



Report No.: SUCR240100001701

Rev.: 01

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Appendix B.47

LTE CA_48C



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1. Effective (Isotropic) Radiated Power Output Data Test ResultAnt1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	1RB#0-0RB#0	22.85	16.73	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#0-0RB#0	22.18	16.06	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#0-0RB#0	21.17	15.05	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#0-0RB#0	18.35	12.23	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	1RB#24-0RB#0	22.86	16.74	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#24-0RB#0	22.08	15.96	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#24-0RB#0	21.2	15.08	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#24-0RB#0	18.35	12.23	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	1RB#0-1RB#99	15.6	9.48	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#0-1RB#99	15.54	9.42	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#0-1RB#99	15.57	9.45	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#0-1RB#99	15.49	9.37	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	8RB#0-0RB#0	22.93	16.81	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	8RB#0-0RB#0	22.2	16.08	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	8RB#0-0RB#0	21.19	15.07	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	8RB#0-0RB#0	18.21	12.09	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	21.93	15.81	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	20.95	14.83	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	20.99	14.87	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	19.02	12.9	23	PASS



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48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#0-0RB#0	23.17	17.05	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#0-0RB#0	22.2	16.08	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#0-0RB#0	21.59	15.47	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#0-0RB#0	18.45	12.33	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#24-0RB#0	23.01	16.89	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#24-0RB#0	22.26	16.14	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#24-0RB#0	21.54	15.42	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#24-0RB#0	18.45	12.33	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#0-1RB#99	15.65	9.53	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#0-1RB#99	15.45	9.33	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#0-1RB#99	15.63	9.51	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#0-1RB#99	15.62	9.5	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	8RB#0-0RB#0	22.97	16.85	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	8RB#0-0RB#0	22.51	16.39	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	8RB#0-0RB#0	21.37	15.25	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	8RB#0-0RB#0	18.45	12.33	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	22.17	16.05	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	21.04	14.92	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	21.18	15.06	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	19.1	12.98	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#0-0RB#0	23.31	17.19	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#0-0RB#0	22.42	16.3	23	PASS
48-48	5MHz-	64QAM-	56523-56640	1RB#0-0RB#0	21.48	15.36	23	PASS



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	20MHz	64QAM						
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#0-0RB#0	18.36	12.24	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#24-0RB#0	23.08	16.96	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#24-0RB#0	22.4	16.28	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	1RB#24-0RB#0	21.5	15.38	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#24-0RB#0	18.12	12	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#0-1RB#99	15.52	9.4	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#0-1RB#99	15.58	9.46	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	1RB#0-1RB#99	15.59	9.47	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#0-1RB#99	15.69	9.57	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	8RB#0-0RB#0	23.06	16.94	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	8RB#0-0RB#0	22.45	16.33	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	8RB#0-0RB#0	21.38	15.26	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	8RB#0-0RB#0	18.48	12.36	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.23	16.11	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	21.14	15.02	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	20.97	14.85	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	19.24	13.12	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	1RB#0-0RB#0	22.76	16.64	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	1RB#0-0RB#0	22.26	16.14	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	1RB#0-0RB#0	21.38	15.26	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	1RB#0-0RB#0	18.25	12.13	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	1RB#49-0RB#0	22.82	16.7	23	PASS



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48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	1RB#49-0RB#0	22.14	16.02	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	1RB#49-0RB#0	21.28	15.16	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	1RB#49-0RB#0	18.2	12.08	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	1RB#0-1RB#99	15.62	9.5	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	1RB#0-1RB#99	15.36	9.24	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	1RB#0-1RB#99	15.55	9.43	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	1RB#0-1RB#99	15.62	9.5	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	12RB#0-0RB#0	22.83	16.71	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	12RB#0-0RB#0	22.13	16.01	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	12RB#0-0RB#0	21.14	15.02	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	12RB#0-0RB#0	18.47	12.35	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	22.08	15.96	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	21.2	15.08	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	20.95	14.83	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	19.15	13.03	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	1RB#0-0RB#0	23.03	16.91	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	1RB#0-0RB#0	22.22	16.1	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	1RB#0-0RB#0	21.31	15.19	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	1RB#0-0RB#0	18.54	12.42	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	1RB#49-0RB#0	22.94	16.82	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	1RB#49-0RB#0	22.09	15.97	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	1RB#49-0RB#0	21.44	15.32	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	1RB#49-0RB#0	17.98	11.86	23	PASS



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	20MHz	256QAM						
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	1RB#0-1RB#99	15.73	9.61	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	1RB#0-1RB#99	15.38	9.26	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	1RB#0-1RB#99	15.58	9.46	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	1RB#0-1RB#99	15.54	9.42	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	12RB#0-0RB#0	23.15	17.03	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	12RB#0-0RB#0	22.5	16.38	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	12RB#0-0RB#0	21.55	15.43	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	12RB#0-0RB#0	18.34	12.22	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	21.96	15.84	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	21.07	14.95	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	20.94	14.82	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	19.21	13.09	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	1RB#0-0RB#0	23.16	17.04	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	1RB#0-0RB#0	22.44	16.32	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	1RB#0-0RB#0	21.62	15.5	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	1RB#0-0RB#0	18.45	12.33	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	1RB#49-0RB#0	22.95	16.83	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	1RB#49-0RB#0	22.24	16.12	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	1RB#49-0RB#0	21.45	15.33	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	1RB#49-0RB#0	18.45	12.33	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	1RB#0-1RB#99	15.73	9.61	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	1RB#0-1RB#99	15.66	9.54	23	PASS



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48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	1RB#0-1RB#99	15.53	9.41	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	1RB#0-1RB#99	15.59	9.47	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	12RB#0-0RB#0	22.94	16.82	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	12RB#0-0RB#0	22.37	16.25	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	12RB#0-0RB#0	21.58	15.46	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	12RB#0-0RB#0	18.69	12.57	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	22.1	15.98	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	21.02	14.9	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	21.25	15.13	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	19.27	13.15	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	1RB#0-0RB#0	22.77	16.65	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	1RB#0-0RB#0	22.34	16.22	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	1RB#0-0RB#0	22.1	15.98	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	1RB#0-0RB#0	18.19	12.07	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	1RB#74-0RB#0	22.86	16.74	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	1RB#74-0RB#0	22.04	15.92	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	1RB#74-0RB#0	21.22	15.1	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	1RB#74-0RB#0	17.92	11.8	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	1RB#0-1RB#99	15.59	9.47	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	1RB#0-1RB#99	15.44	9.32	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	1RB#0-1RB#99	15.6	9.48	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	1RB#0-1RB#99	15.65	9.53	23	PASS
48-48	15MHz-	QPSK-	55318-55489	16RB#0-0RB#0	22.78	16.66	23	PASS



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	20MHz	QPSK						
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	16RB#0-0RB#0	22.1	15.98	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	16RB#0-0RB#0	21.21	15.09	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	16RB#0-0RB#0	18.14	12.02	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	22.14	16.02	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	21.16	15.04	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	20.86	14.74	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	18.86	12.74	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	1RB#0-0RB#0	22.91	16.79	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	1RB#0-0RB#0	21.92	15.8	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	1RB#0-0RB#0	21.12	15	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	1RB#0-0RB#0	18.19	12.07	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	1RB#74-0RB#0	22.75	16.63	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	1RB#74-0RB#0	22.09	15.97	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	1RB#74-0RB#0	21.12	15	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	1RB#74-0RB#0	18.16	12.04	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	1RB#0-1RB#99	15.43	9.31	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	1RB#0-1RB#99	15.23	9.11	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	1RB#0-1RB#99	15.4	9.28	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	1RB#0-1RB#99	14.99	8.87	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	16RB#0-0RB#0	22.99	16.87	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	16RB#0-0RB#0	22.16	16.04	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	16RB#0-0RB#0	21.35	15.23	23	PASS



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48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	16RB#0-0RB#0	18.31	12.19	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	21.88	15.76	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	20.8	14.68	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	20.87	14.75	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	19.07	12.95	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	1RB#0-0RB#0	22.8	16.68	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	1RB#0-0RB#0	22.3	16.18	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	1RB#0-0RB#0	21.4	15.28	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	1RB#0-0RB#0	18.35	12.23	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	1RB#74-0RB#0	22.82	16.7	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	1RB#74-0RB#0	22.22	16.1	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	1RB#74-0RB#0	21.24	15.12	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	1RB#74-0RB#0	18.19	12.07	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	1RB#0-1RB#99	15.64	9.52	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	1RB#0-1RB#99	15.44	9.32	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	1RB#0-1RB#99	15.57	9.45	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	1RB#0-1RB#99	15.42	9.3	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	16RB#0-0RB#0	22.92	16.8	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	16RB#0-0RB#0	22.34	16.22	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	16RB#0-0RB#0	21.3	15.18	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	16RB#0-0RB#0	18.44	12.32	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	21.97	15.85	23	PASS
48-48	15MHz-	16QAM-	56469-56640	75RB#0-	21	14.88	23	PASS



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	20MHz	16QAM		100RB#0				
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	21.19	15.07	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	19.12	13	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	1RB#0-0RB#0	22.81	16.69	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	1RB#0-0RB#0	22.13	16.01	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	1RB#0-0RB#0	21.28	15.16	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	1RB#0-0RB#0	17.93	11.81	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	1RB#99-0RB#0	22.59	16.47	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	1RB#99-0RB#0	21.79	15.67	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	1RB#99-0RB#0	21.03	14.91	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	1RB#99-0RB#0	18.07	11.95	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	1RB#0-1RB#99	15.5	9.38	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	1RB#0-1RB#99	15.41	9.29	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	1RB#0-1RB#99	15.45	9.33	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	1RB#0-1RB#99	15.2	9.08	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	18RB#0-0RB#0	22.97	16.85	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	18RB#0-0RB#0	22.08	15.96	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	18RB#0-0RB#0	21.05	14.93	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	18RB#0-0RB#0	18.1	11.98	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	21.93	15.81	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	20.99	14.87	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	20.8	14.68	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	18.84	12.72	23	PASS



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48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	1RB#0-0RB#0	22.59	16.47	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	1RB#0-0RB#0	21.91	15.79	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	1RB#0-0RB#0	21.15	15.03	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	1RB#0-0RB#0	17.97	11.85	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	1RB#99-0RB#0	22.64	16.52	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	1RB#99-0RB#0	22.01	15.89	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	1RB#99-0RB#0	21.16	15.04	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	1RB#99-0RB#0	17.98	11.86	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	1RB#0-1RB#99	15.29	9.17	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	1RB#0-1RB#99	15.05	8.93	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	1RB#0-1RB#99	15.25	9.13	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	1RB#0-1RB#99	15.18	9.06	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	18RB#0-0RB#0	22.61	16.49	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	18RB#0-0RB#0	22.11	15.99	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	18RB#0-0RB#0	21.11	14.99	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	18RB#0-0RB#0	18.01	11.89	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	21.95	15.83	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	20.91	14.79	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	20.81	14.69	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	19.04	12.92	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	1RB#0-0RB#0	22.99	16.87	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	1RB#0-0RB#0	22.16	16.04	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	1RB#0-0RB#0	21.44	15.32	23	PASS



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	20MHz	64QAM						
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	1RB#0-0RB#0	18.23	12.11	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	1RB#99-0RB#0	22.85	16.73	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	1RB#99-0RB#0	22.29	16.17	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	1RB#99-0RB#0	21.35	15.23	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	1RB#99-0RB#0	18.08	11.96	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	1RB#0-1RB#99	15.26	9.14	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	1RB#0-1RB#99	15.48	9.36	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	1RB#0-1RB#99	15.58	9.46	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	1RB#0-1RB#99	15.52	9.4	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	18RB#0-0RB#0	22.81	16.69	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	18RB#0-0RB#0	22.17	16.05	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	18RB#0-0RB#0	21.35	15.23	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	18RB#0-0RB#0	18.26	12.14	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	21.97	15.85	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	21.09	14.97	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	20.87	14.75	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	19.04	12.92	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	1RB#0-0RB#0	22.37	16.25	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	1RB#0-0RB#0	21.82	15.7	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	1RB#0-0RB#0	21.01	14.89	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	1RB#0-1RB#24	22.64	16.52	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	1RB#0-1RB#24	21.43	15.31	23	PASS



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48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	1RB#0-1RB#24	21.04	14.92	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	1RB#0-1RB#24	19.28	13.16	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	1RB#0-0RB#0	17.93	11.81	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	1RB#99-0RB#0	22.66	16.54	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	1RB#99-0RB#0	21.89	15.77	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	1RB#99-0RB#0	21.17	15.05	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	1RB#99-0RB#0	17.67	11.55	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	18RB#0-0RB#0	22.77	16.65	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	18RB#0-0RB#0	21.39	15.27	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	18RB#0-0RB#0	20.13	14.01	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	18RB#0-0RB#0	19.07	12.95	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.42	16.3	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	21.6	15.48	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	20.11	13.99	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	19.09	12.97	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	1RB#0-0RB#0	22.9	16.78	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	1RB#0-0RB#0	22.33	16.21	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	1RB#0-0RB#0	21.45	15.33	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	1RB#0-0RB#0	18.41	12.29	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	1RB#99-0RB#0	22.74	16.62	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	1RB#99-0RB#0	22.31	16.19	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	1RB#99-0RB#0	21.24	15.12	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	1RB#99-0RB#0	17.89	11.77	23	PASS



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	5MHz	256QAM						
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	1RB#0-1RB#24	15.63	9.51	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	1RB#0-1RB#24	15.35	9.23	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	1RB#0-1RB#24	15.35	9.23	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	1RB#0-1RB#24	15.32	9.2	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	18RB#0-0RB#0	22.4	16.28	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	18RB#0-0RB#0	21.38	15.26	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	18RB#0-0RB#0	20.13	14.01	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	18RB#0-0RB#0	18.38	12.26	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	21.97	15.85	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	20.9	14.78	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	21.17	15.05	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	19.18	13.06	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	1RB#0-0RB#0	23.18	17.06	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	1RB#0-0RB#0	22.42	16.3	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	1RB#0-0RB#0	21.33	15.21	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	1RB#0-0RB#0	18.23	12.11	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	1RB#99-0RB#0	22.99	16.87	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	1RB#99-0RB#0	22.17	16.05	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	1RB#99-0RB#0	21.41	15.29	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	1RB#99-0RB#0	18.24	12.12	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	1RB#0-1RB#24	15.63	9.51	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	1RB#0-1RB#24	15.37	9.25	23	PASS



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48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	1RB#0-1RB#24	15.63	9.51	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	1RB#0-1RB#24	15.53	9.41	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	18RB#0-0RB#0	22.21	16.09	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	18RB#0-0RB#0	21.23	15.11	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	18RB#0-0RB#0	20.42	14.3	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	18RB#0-0RB#0	18.41	12.29	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	21.96	15.84	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	20.89	14.77	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	21.08	14.96	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	19.12	13	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	1RB#0-0RB#0	22.54	16.42	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	1RB#0-0RB#0	21.91	15.79	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	1RB#0-0RB#0	20.94	14.82	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	1RB#0-0RB#0	18.04	11.92	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	1RB#99-0RB#0	22.54	16.42	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	1RB#99-0RB#0	21.79	15.67	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	1RB#99-0RB#0	20.65	14.53	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	1RB#99-0RB#0	17.88	11.76	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	1RB#0-1RB#49	15.21	9.09	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	1RB#0-1RB#49	15.28	9.16	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	1RB#0-1RB#49	15.08	8.96	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	1RB#0-1RB#49	14.85	8.73	23	PASS
48-48	20MHz-	QPSK-	55340-55484	18RB#0-0RB#0	21.98	15.86	23	PASS



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	10MHz	QPSK						
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	18RB#0-0RB#0	20.86	14.74	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	18RB#0-0RB#0	19.76	13.64	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	18RB#0-0RB#0	17.93	11.81	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	21.69	15.57	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	20.69	14.57	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	20.7	14.58	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	18.7	12.58	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	1RB#0-0RB#0	22.68	16.56	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	1RB#0-0RB#0	22.12	16	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	1RB#0-0RB#0	20.89	14.77	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	1RB#0-0RB#0	17.96	11.84	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	1RB#99-0RB#0	22.49	16.37	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	1RB#99-0RB#0	21.9	15.78	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	1RB#99-0RB#0	20.71	14.59	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	1RB#99-0RB#0	17.7	11.58	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	1RB#0-1RB#49	14.98	8.86	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	1RB#0-1RB#49	14.98	8.86	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	1RB#0-1RB#49	15.19	9.07	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	1RB#0-1RB#49	15.19	9.07	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	18RB#0-0RB#0	21.95	15.83	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	20.89	14.77	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	20.85	14.73	23	PASS



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48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	1RB#0-0RB#0	23.05	16.93	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	1RB#0-0RB#0	22.25	16.13	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	18RB#0-0RB#0	21.03	14.91	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	18RB#0-0RB#0	19.86	13.74	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	18RB#0-0RB#0	17.99	11.87	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	21.72	15.6	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	1RB#0-0RB#0	21.48	15.36	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	1RB#0-0RB#0	18.54	12.42	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	1RB#99-0RB#0	22.84	16.72	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	1RB#99-0RB#0	22.05	15.93	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	1RB#99-0RB#0	21.3	15.18	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	1RB#99-0RB#0	18.21	12.09	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	1RB#0-1RB#49	15.56	9.44	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	1RB#0-1RB#49	15.56	9.44	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	1RB#0-1RB#49	15.48	9.36	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	1RB#0-1RB#49	15.77	9.65	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	18RB#0-0RB#0	22.43	16.31	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	18RB#0-0RB#0	21.33	15.21	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	18RB#0-0RB#0	20.29	14.17	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	18RB#0-0RB#0	18.35	12.23	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	22.14	16.02	23	PASS
48-48	20MHz-	16QAM-	56541-56685	100RB#0-	20.93	14.81	23	PASS



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	10MHz	16QAM		50RB#0				
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	20.91	14.79	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	19.02	12.9	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	1RB#0-0RB#0	22.63	16.51	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	1RB#0-0RB#0	21.65	15.53	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	1RB#0-0RB#0	20.36	14.24	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	1RB#0-0RB#0	19.31	13.19	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	1RB#99-0RB#0	22.67	16.55	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	1RB#99-0RB#0	21.25	15.13	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	1RB#99-0RB#0	20.28	14.16	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	1RB#99-0RB#0	19.01	12.89	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	1RB#0-1RB#74	22.52	16.4	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	1RB#0-1RB#74	21.27	15.15	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	1RB#0-1RB#74	20.75	14.63	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	1RB#0-1RB#74	19.71	13.59	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	18RB#0-0RB#0	22.7	16.58	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	18RB#0-0RB#0	21.58	15.46	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	18RB#0-0RB#0	20	13.88	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	18RB#0-0RB#0	18.53	12.41	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	22.2	16.08	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	20.9	14.78	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	19.7	13.58	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	18.9	12.78	23	PASS



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48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	1RB#0-0RB#0	22.83	16.71	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	1RB#0-0RB#0	22.1	15.98	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	1RB#0-0RB#0	21.15	15.03	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	1RB#0-0RB#0	18.17	12.05	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	1RB#99-0RB#0	22.8	16.68	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	1RB#99-0RB#0	22.3	16.18	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	1RB#99-0RB#0	21.11	14.99	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	1RB#99-0RB#0	17.91	11.79	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	1RB#0-1RB#74	15.31	9.19	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	1RB#0-1RB#74	15.25	9.13	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	1RB#0-1RB#74	15.52	9.4	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	1RB#0-1RB#74	15.52	9.4	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	18RB#0-0RB#0	22.27	16.15	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	18RB#0-0RB#0	21.04	14.92	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	18RB#0-0RB#0	20.16	14.04	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	18RB#0-0RB#0	18.35	12.23	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	22.06	15.94	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	20.9	14.78	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	21.13	15.01	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	18.99	12.87	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	1RB#0-0RB#0	22.85	16.73	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	1RB#0-0RB#0	22.13	16.01	23	PASS
48-48	20MHz-	64QAM-	56491-56662	1RB#0-0RB#0	21.35	15.23	23	PASS



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	15MHz	64QAM						
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	1RB#0-0RB#0	18.26	12.14	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	1RB#99-0RB#0	22.99	16.87	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	1RB#99-0RB#0	22.27	16.15	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	1RB#99-0RB#0	21.41	15.29	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	1RB#99-0RB#0	17.98	11.86	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	1RB#0-1RB#74	15.57	9.45	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	1RB#0-1RB#74	15.37	9.25	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	1RB#0-1RB#74	15.55	9.43	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	1RB#0-1RB#74	15.22	9.1	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	18RB#0-0RB#0	22.3	16.18	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	18RB#0-0RB#0	21.37	15.25	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	18RB#0-0RB#0	20.19	14.07	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	18RB#0-0RB#0	18.46	12.34	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	22.1	15.98	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	20.89	14.77	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	21.07	14.95	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	18.94	12.82	23	PASS



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2. 99% & 26dB Bandwidth

2.1 CA_48C_NTNV_OBW

2.1.1 Test Result

Band: CA_48C / NTN						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:5 CC2:20	CC1: QPSK CC2: QPSK	CC1:3552.5	CC1: 25@0	23.55	/	Pass
		CC2:3564.2	CC2: 100@0			
	CC1:3678.3	CC1: 25@0	CC1: 25@0	24.04	/	Pass
		CC2:3690	CC2: 100@0			
	CC1:16QAM CC2: 16QAM	CC1:3552.5	CC1: 25@0	23.49	/	Pass
		CC2:3564.2	CC2: 100@0			
	CC1:3678.3	CC1: 25@0	CC1: 25@0	24.12	/	Pass
		CC2:3690	CC2: 100@0			
CC1:10 CC2:20	CC1: QPSK CC2: QPSK	CC1:3555	CC1: 50@0	28.20	/	Pass
		CC2:3569.4	CC2: 100@0			
	CC1:3675.6	CC1: 50@0	CC1: 50@0	28.25	/	Pass
		CC2:3690	CC2: 100@0			
	CC1:16QAM CC2: 16QAM	CC1:3555	CC1: 50@0	28.09	/	Pass
		CC2:3569.4	CC2: 100@0			
	CC1:3675.6	CC1: 50@0	CC1: 50@0	28.17	/	Pass
		CC2:3690	CC2: 100@0			
CC1:15 CC2:20	CC1: QPSK CC2: QPSK	CC1:3557.5	CC1: 75@0	33.09	/	Pass
		CC2:3574.6	CC2: 100@0			
	CC1:3672.9	CC1: 75@0	CC1: 75@0	33.13	/	Pass
		CC2:3690	CC2: 100@0			
	CC1:16QAM CC2: 16QAM	CC1:3557.5	CC1: 75@0	32.95	/	Pass
		CC2:3574.6	CC2: 100@0			
	CC1:3672.9	CC1: 75@0	CC1: 75@0	33.02	/	Pass
		CC2:3690	CC2: 100@0			
CC1: 16QAM	CC1: 16QAM	CC1:3557.5	CC1: 75@0	32.98	/	Pass
		CC2:3574.6	CC2: 100@0			



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	64QAM	CC2:3574.6	CC2: 100@0			
	CC2:	CC1:3672.9	CC1: 75@0			
	64QAM	CC2:3690	CC2: 100@0	32.97	/	Pass
	CC1:	CC1:3557.5	CC1: 75@0			
	256QAM	CC2:3574.6	CC2: 100@0	33.01	/	Pass
	CC2:	CC1:3672.9	CC1: 75@0			
	256QAM	CC2:3690	CC2: 100@0	32.97	/	Pass
	CC2:	CC1:3672.9	CC1: 75@0			
CC1:20 CC2:5	CC1:	CC1:3560	CC1: 100@0	23.04	/	Pass
	QPSK	CC2:3571.7	CC2: 25@0			
	CC2:	CC1:3685.8	CC1: 100@0	22.95	/	Pass
	QPSK	CC2:3697.5	CC2: 25@0			
	CC1:	CC1:3560	CC1: 100@0	23.02	/	Pass
	16QAM	CC2:3571.7	CC2: 25@0			
	CC2:	CC1:3685.8	CC1: 100@0	22.97	/	Pass
	16QAM	CC2:3697.5	CC2: 25@0			
	CC1:	CC1:3560	CC1: 100@0	23.01	/	Pass
	64QAM	CC2:3571.7	CC2: 25@0			
	CC2:	CC1:3685.8	CC1: 100@0	22.98	/	Pass
	64QAM	CC2:3697.5	CC2: 25@0			
CC1:20 CC2:10	CC1:	CC1:3560	CC1: 100@0	28.23	/	Pass
	QPSK	CC2:3574.4	CC2: 50@0			
	CC2:	CC1:3680.6	CC1: 100@0	28.21	/	Pass
	QPSK	CC2:3695	CC2: 50@0			
	CC1:	CC1:3560	CC1: 100@0	28.09	/	Pass
	16QAM	CC2:3574.4	CC2: 50@0			
	CC2:	CC1:3680.6	CC1: 100@0	28.24	/	Pass
	16QAM	CC2:3695	CC2: 50@0			
	CC1:	CC1:3560	CC1: 100@0	28.17	/	Pass
	64QAM	CC2:3574.4	CC2: 50@0			
	CC2:	CC1:3680.6	CC1: 100@0	28.09	/	Pass
	64QAM	CC2:3695	CC2: 50@0			
CC1:20 CC2:15	CC1:	CC1:3560	CC1: 100@0	33.05	/	Pass
	QPSK	CC2:3577.1	CC2: 75@0			
	CC2:	CC1:3675.4	CC1: 100@0	33.00	/	Pass
	QPSK	CC2:3692.5	CC2: 75@0			
	CC1:	CC1:3560	CC1: 100@0	33.04	/	Pass
	16QAM	CC2:3577.1	CC2: 75@0			
	CC2:	CC1:3675.4	CC1: 100@0	33.03	/	Pass
	16QAM	CC2:3692.5	CC2: 75@0			
	CC1:	CC1:3560	CC1: 100@0	32.94	/	Pass
	64QAM	CC2:3577.1	CC2: 75@0			
	CC2:	CC1:3675.4	CC1: 100@0	32.95	/	Pass
	64QAM					



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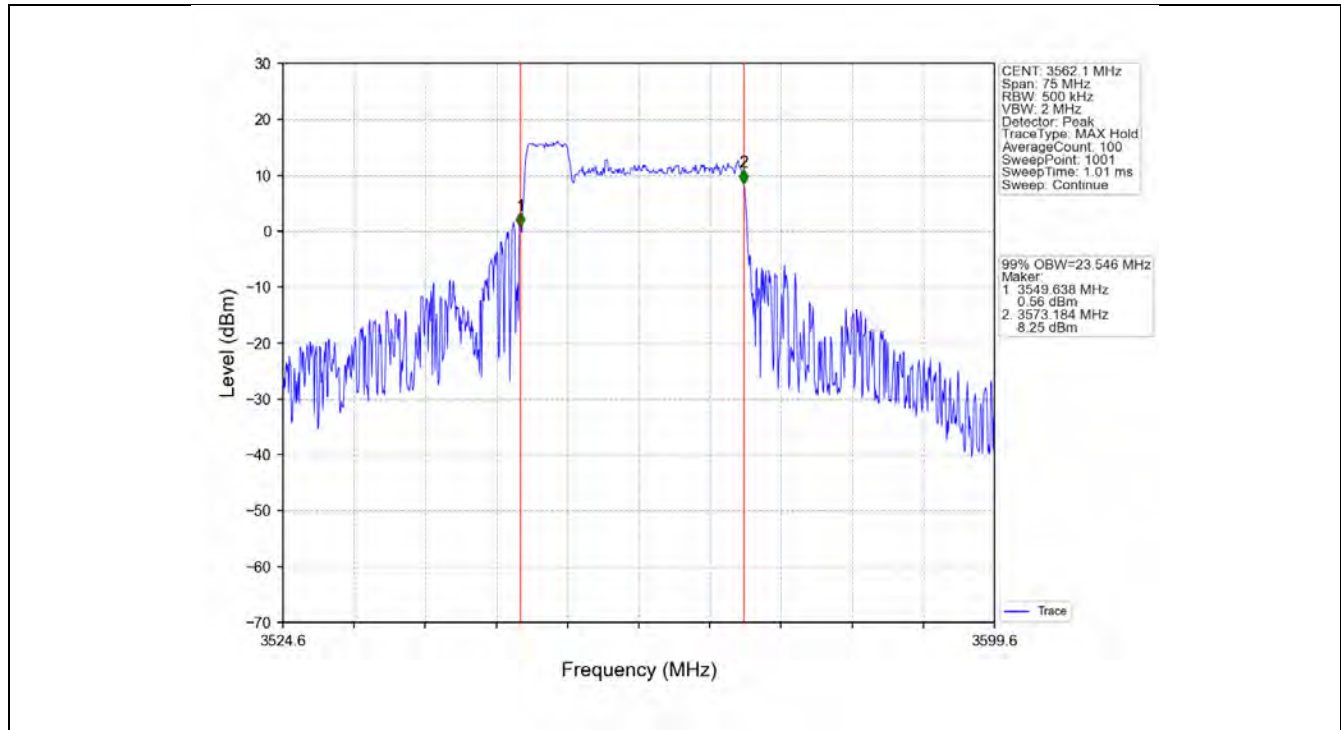
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2.1.2 Test Graph



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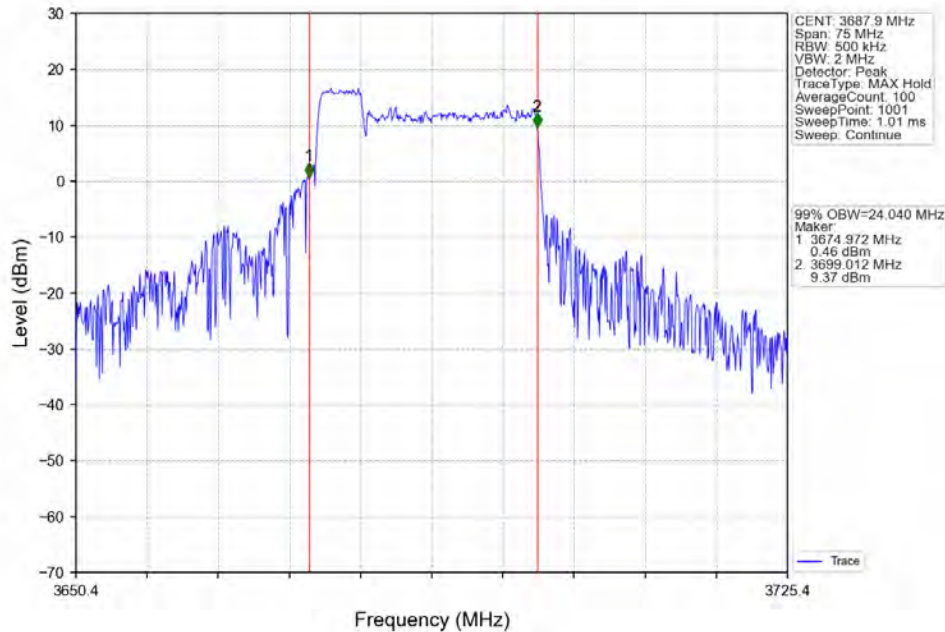
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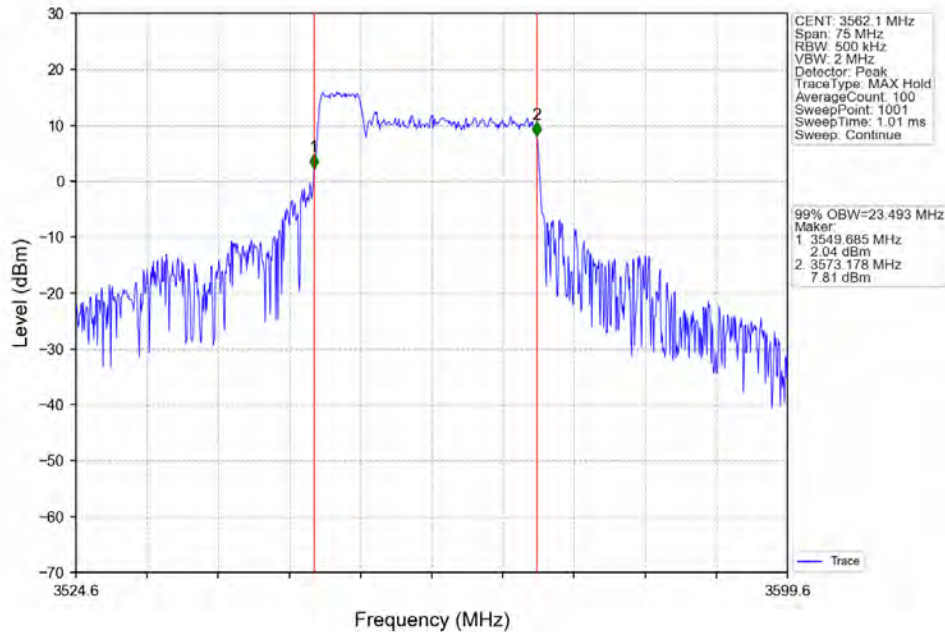
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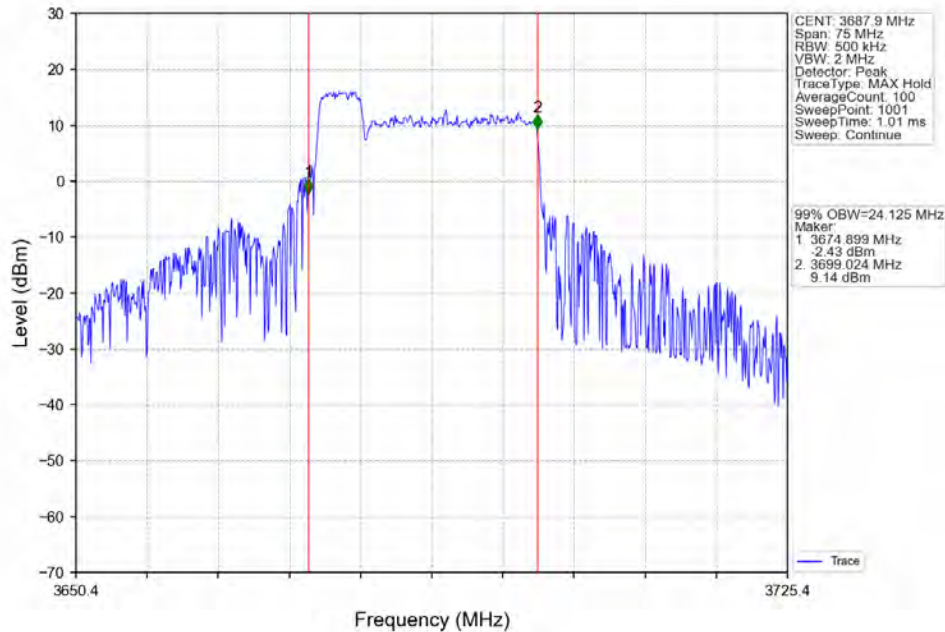
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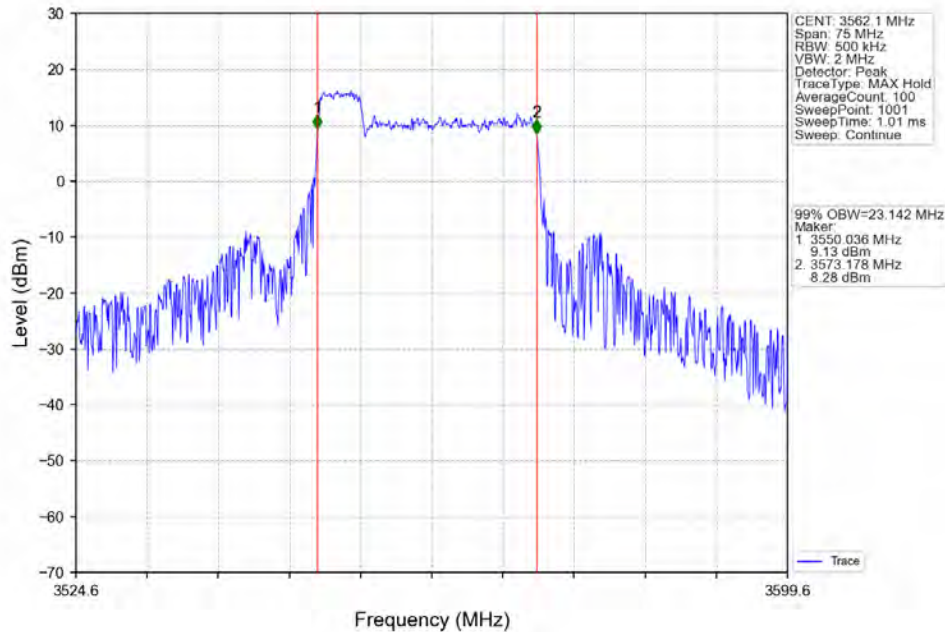
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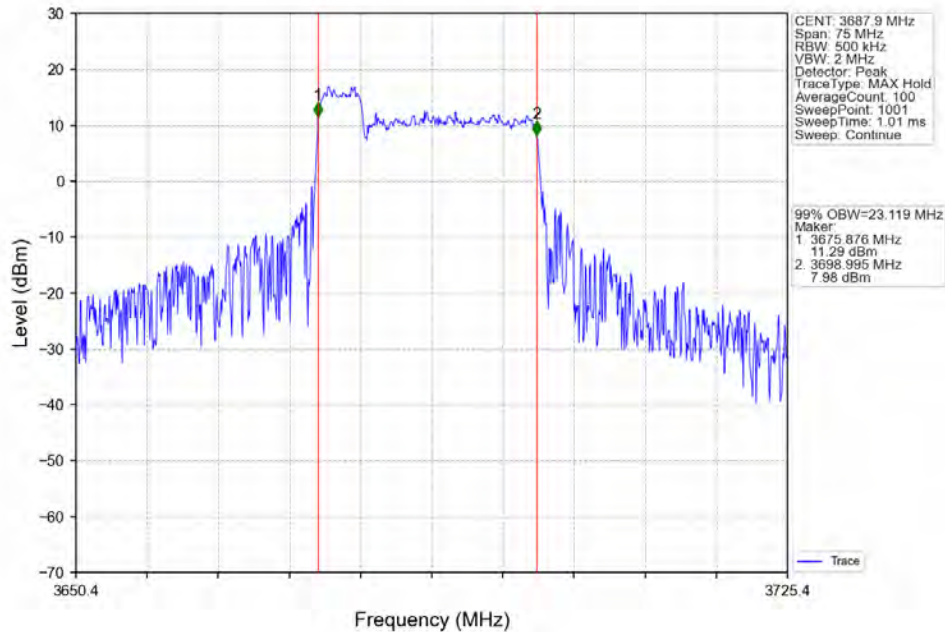
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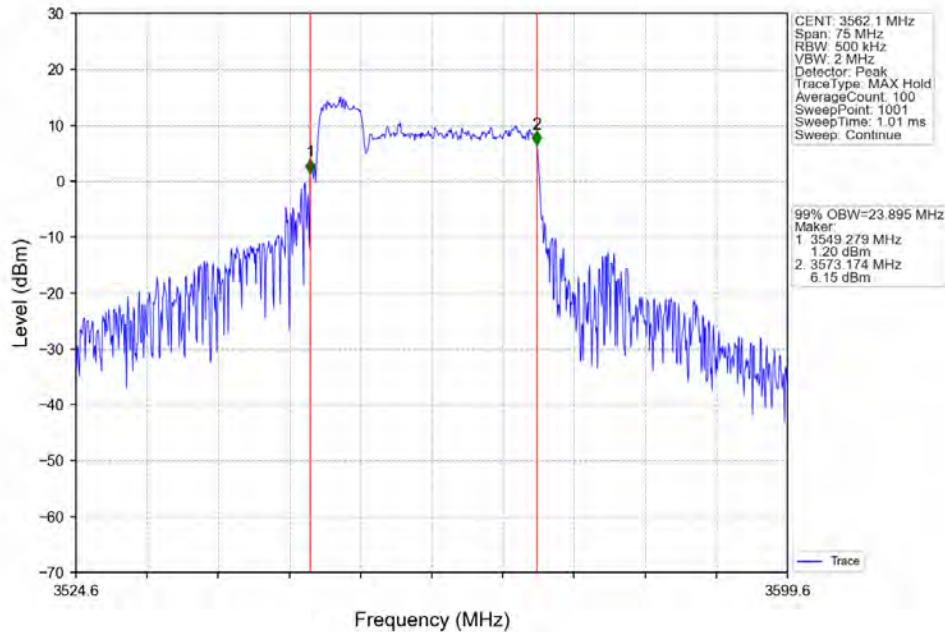
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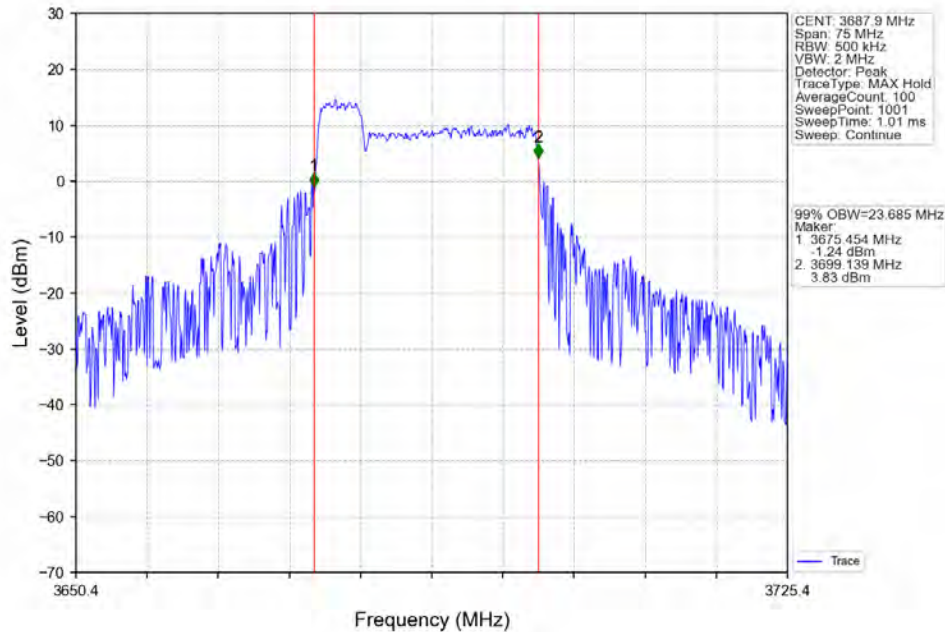
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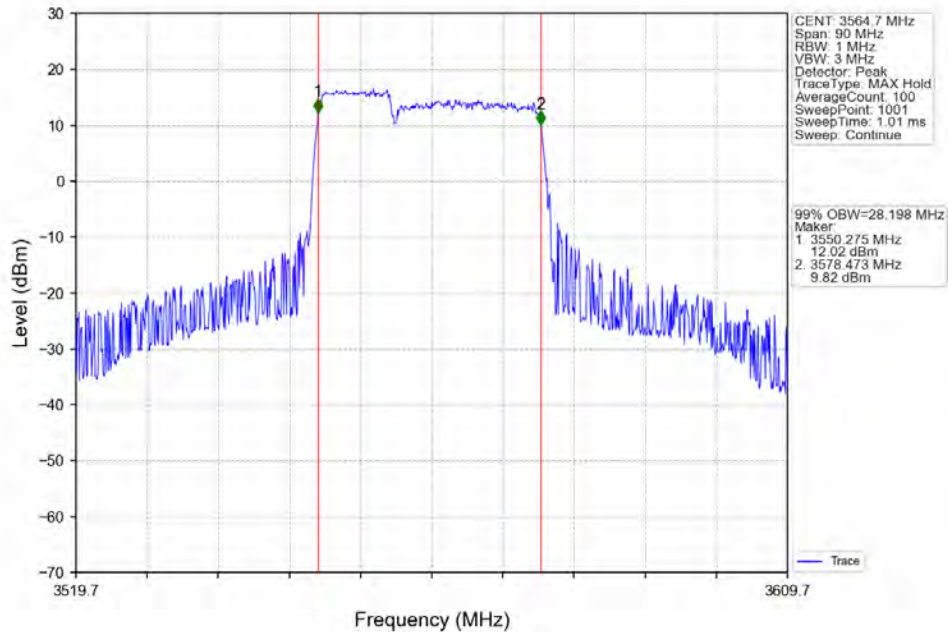
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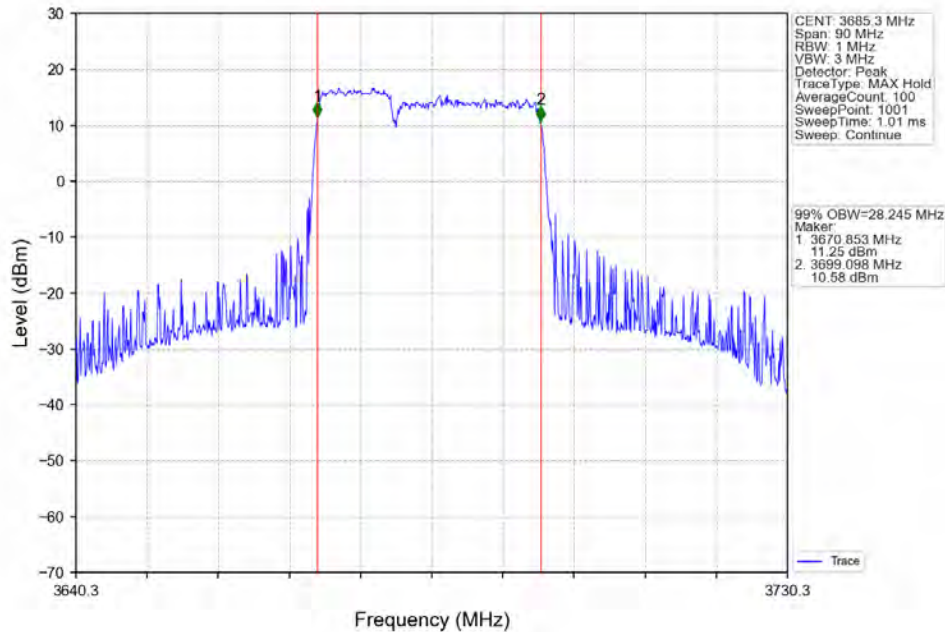
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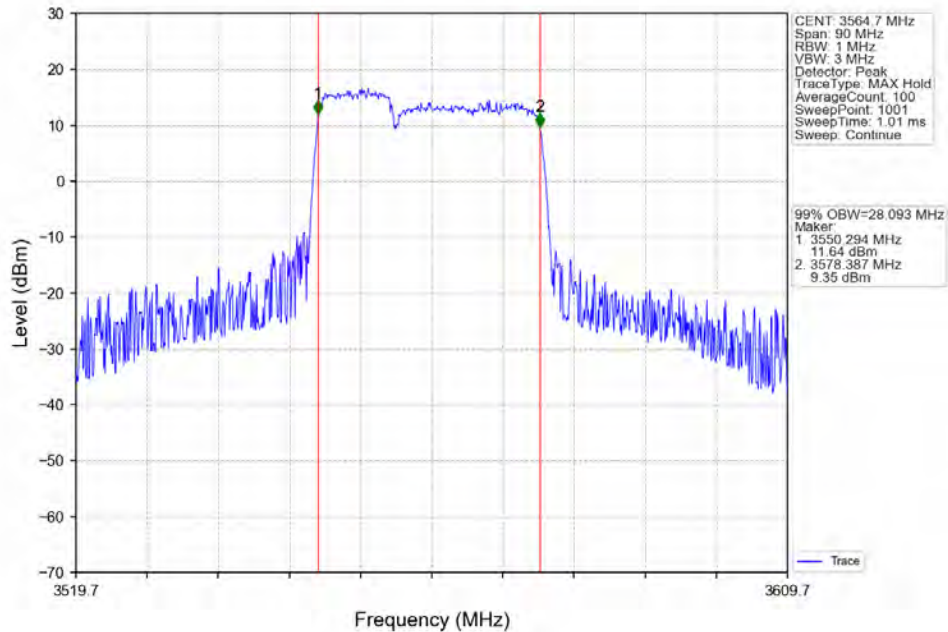
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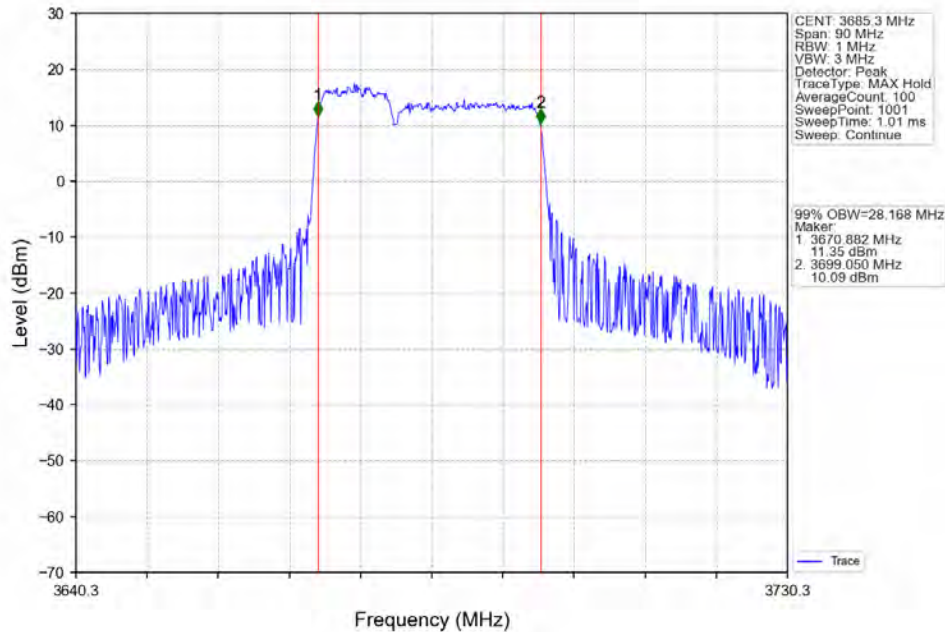
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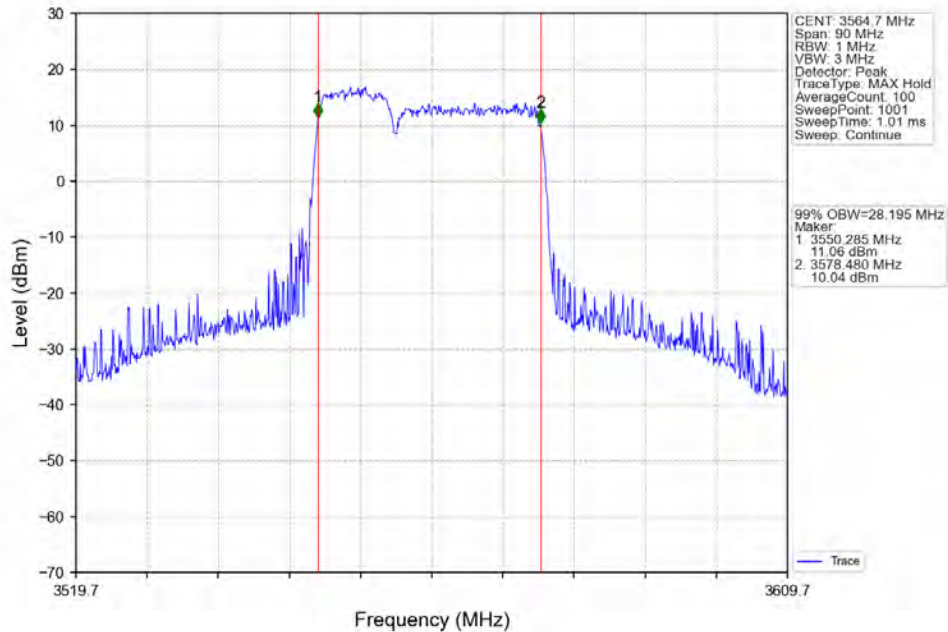
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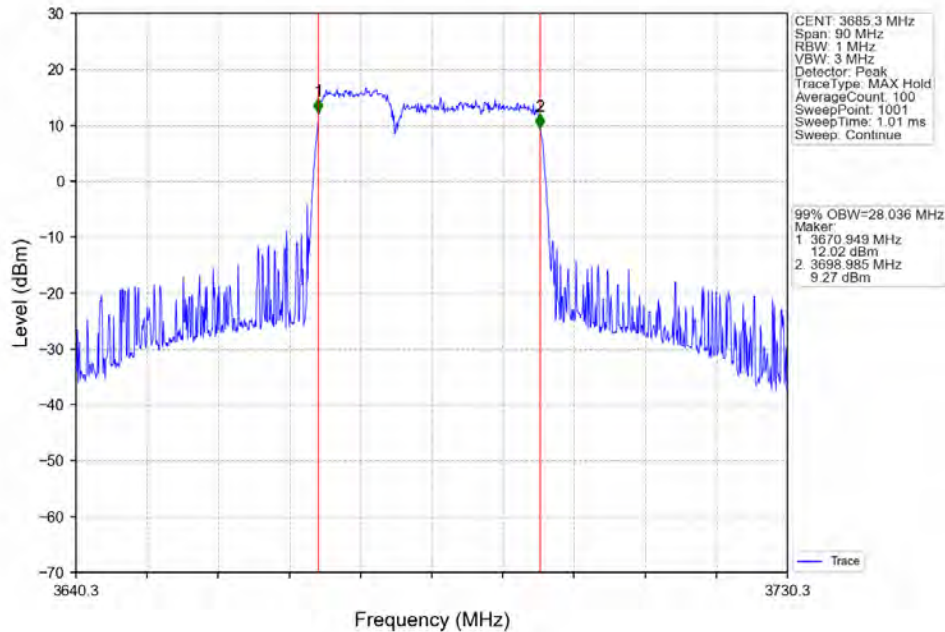
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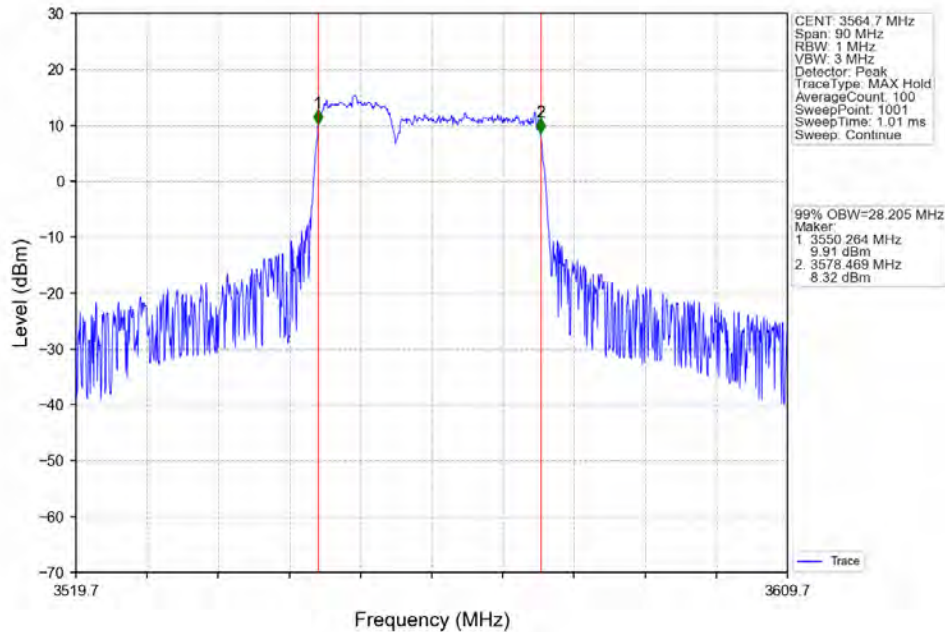
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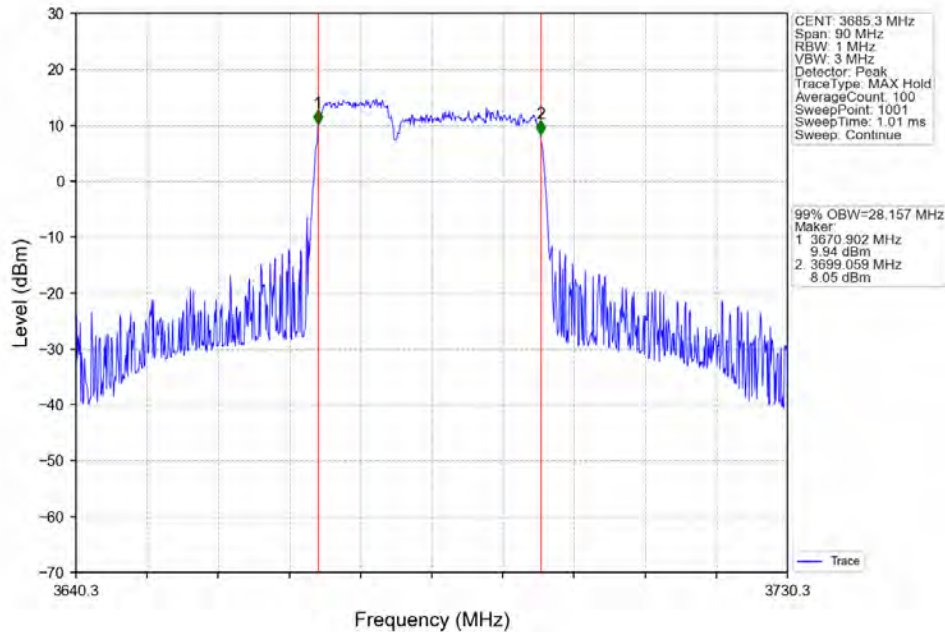
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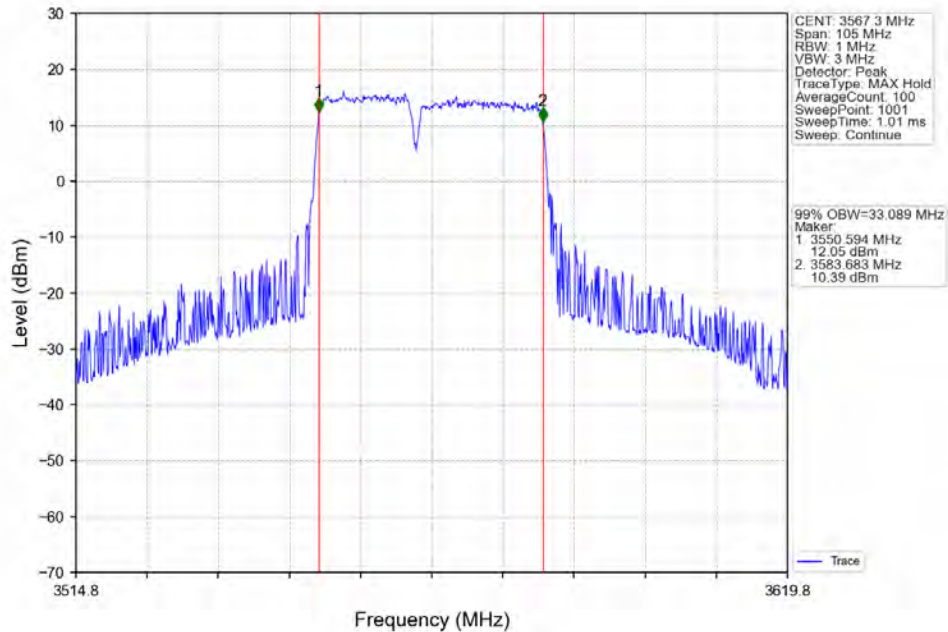
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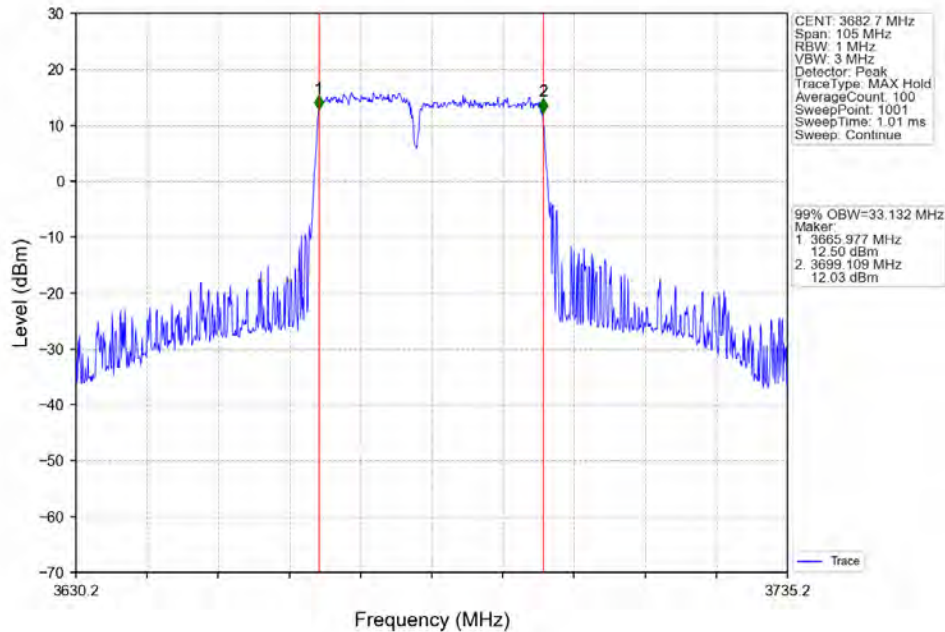
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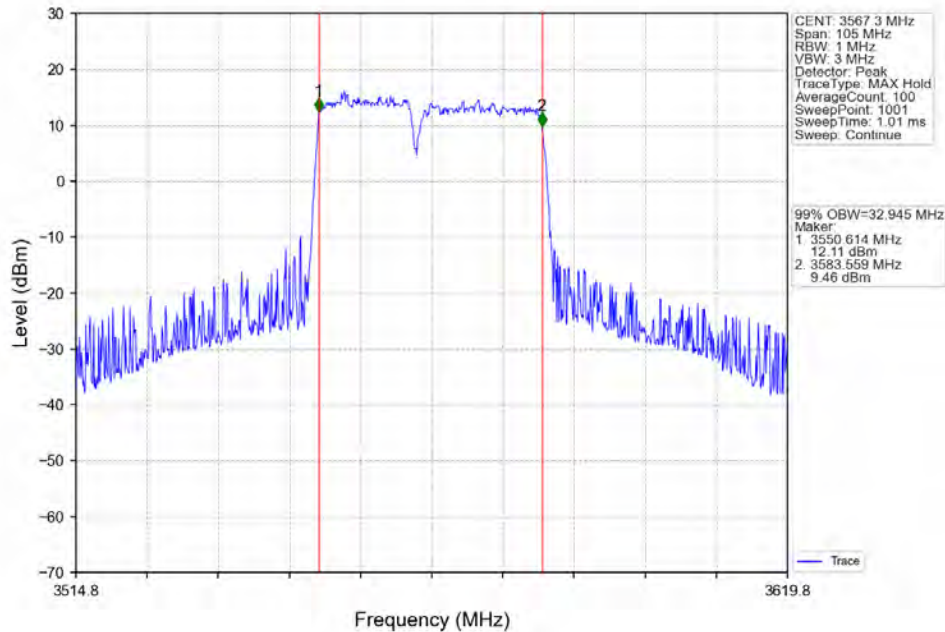
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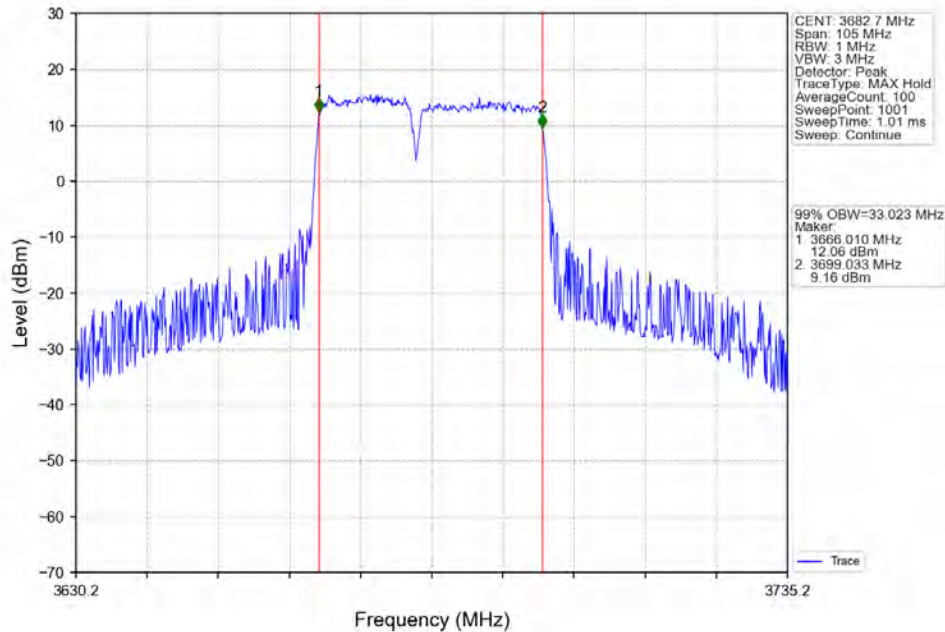
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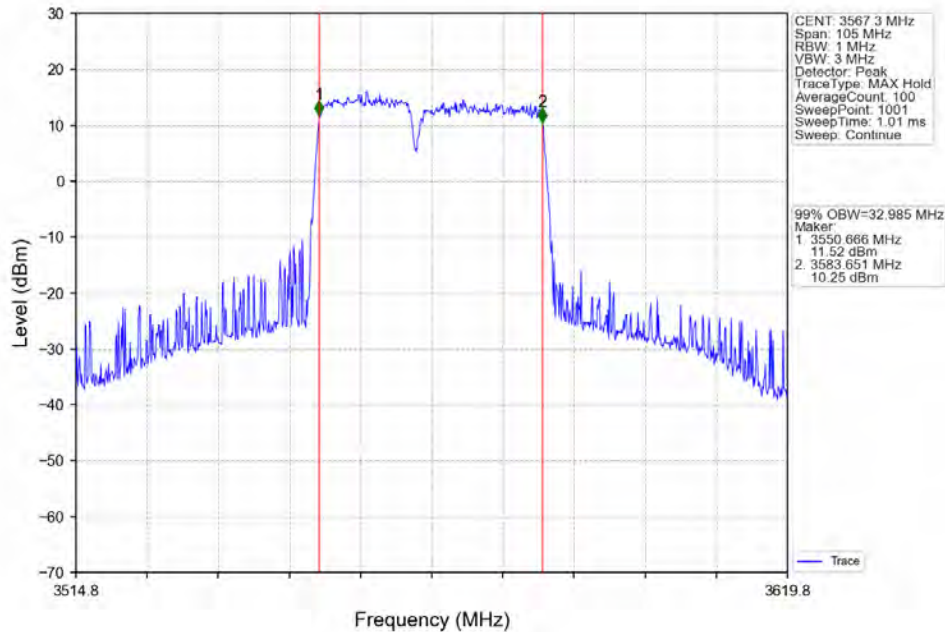
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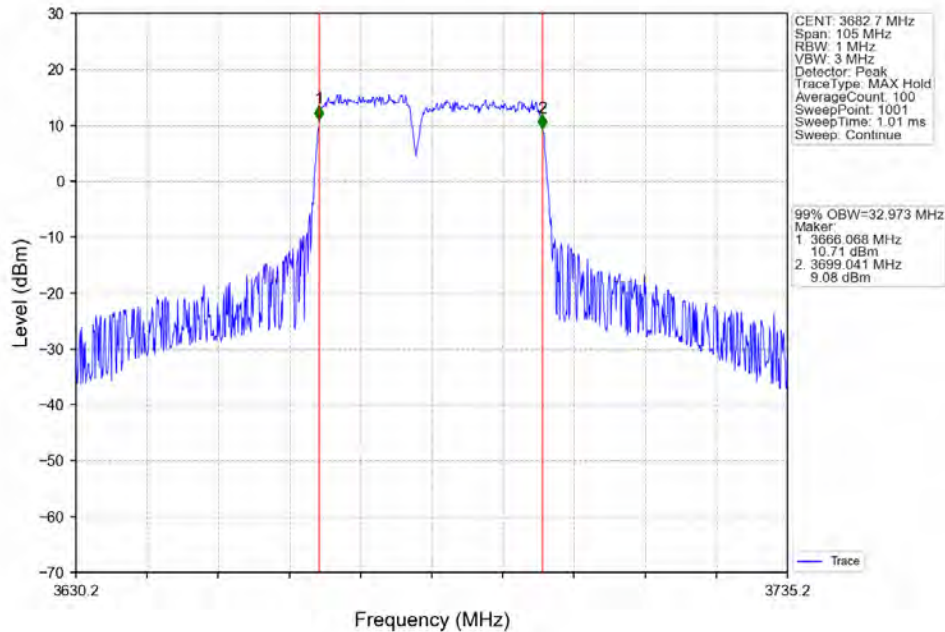
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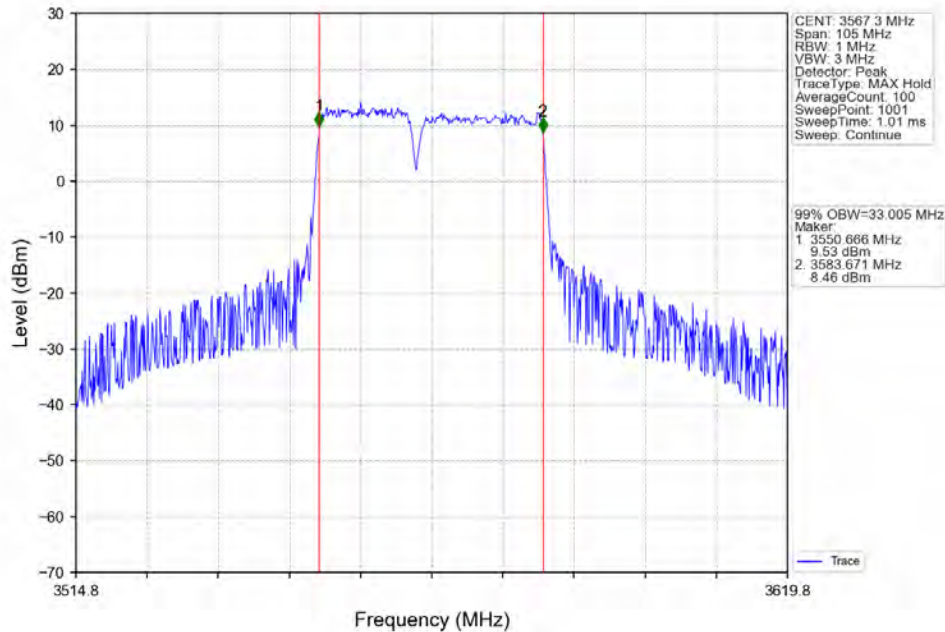
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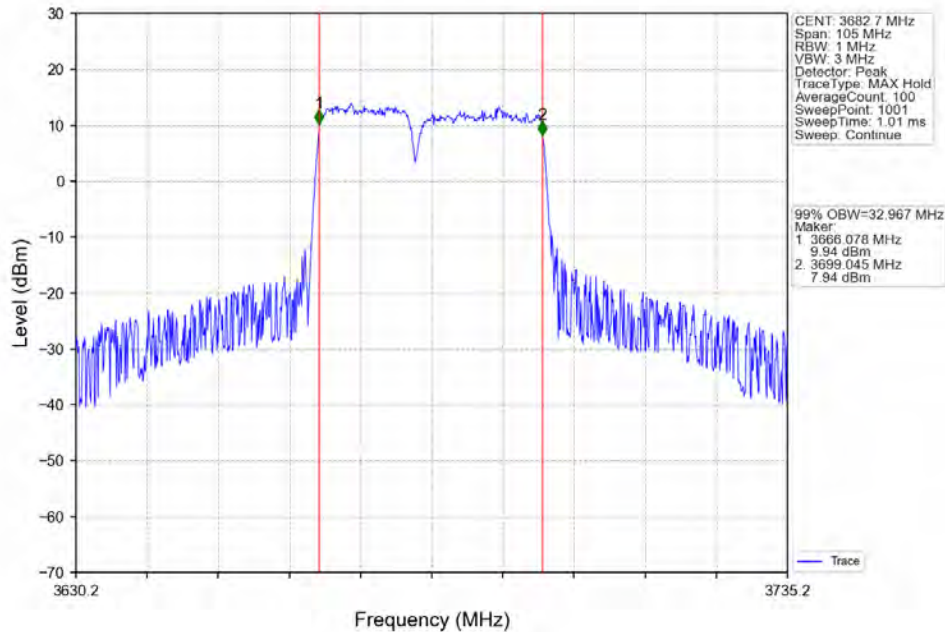
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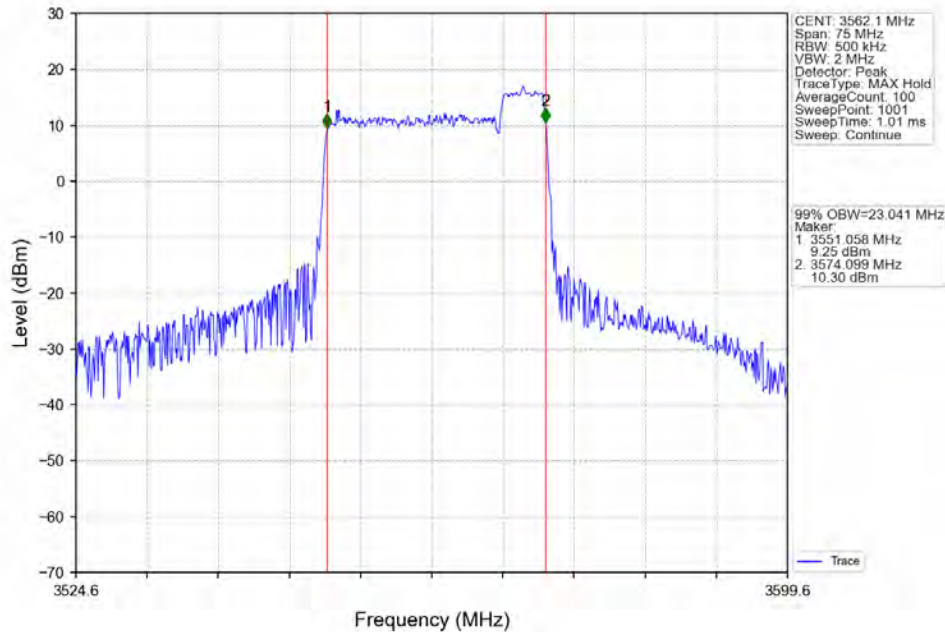
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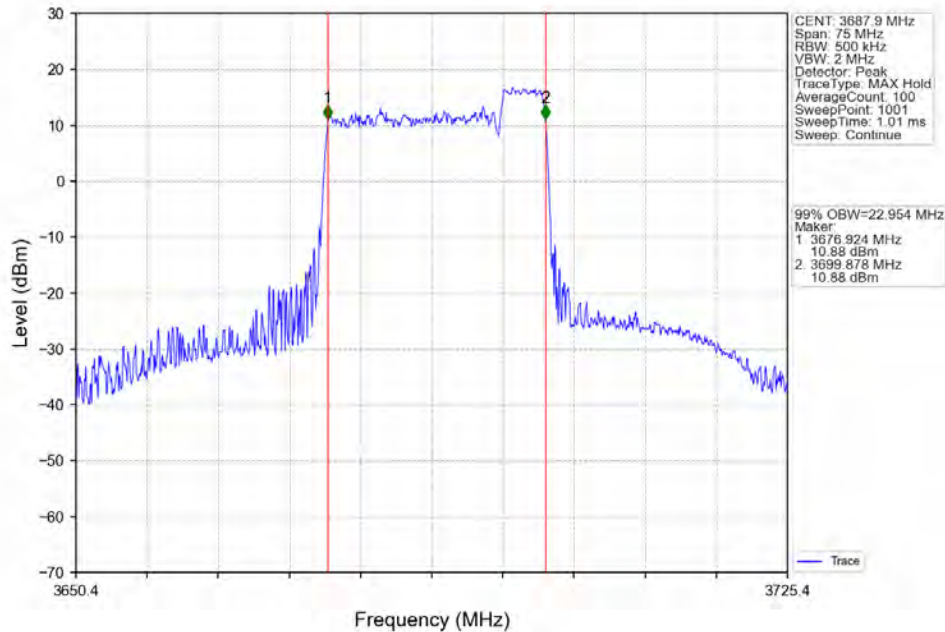
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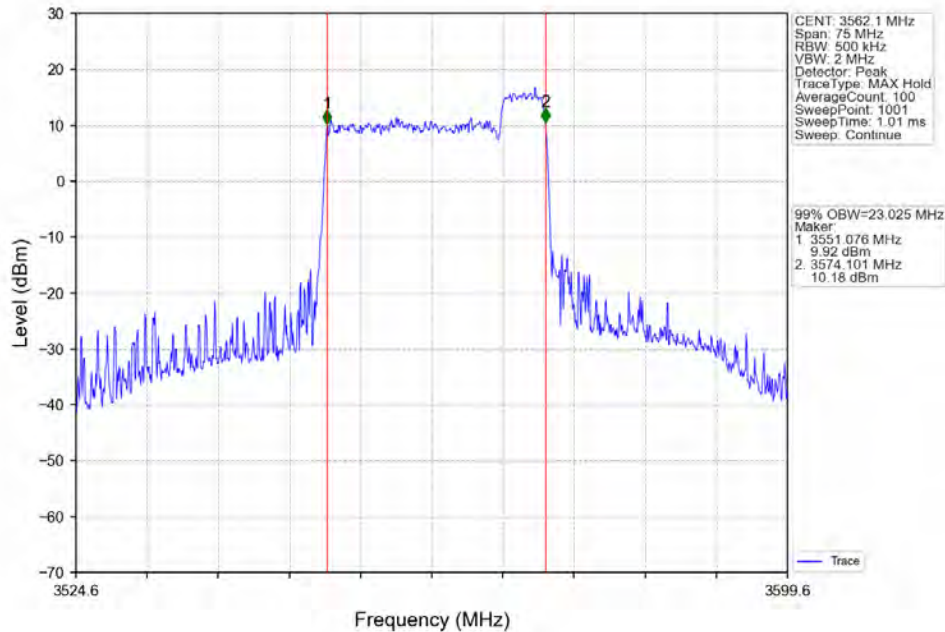
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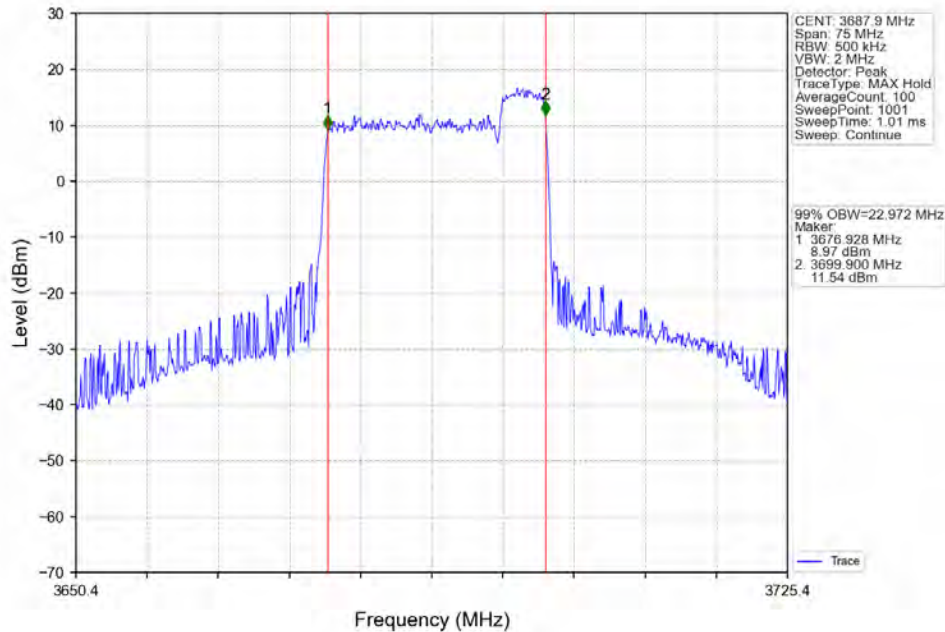
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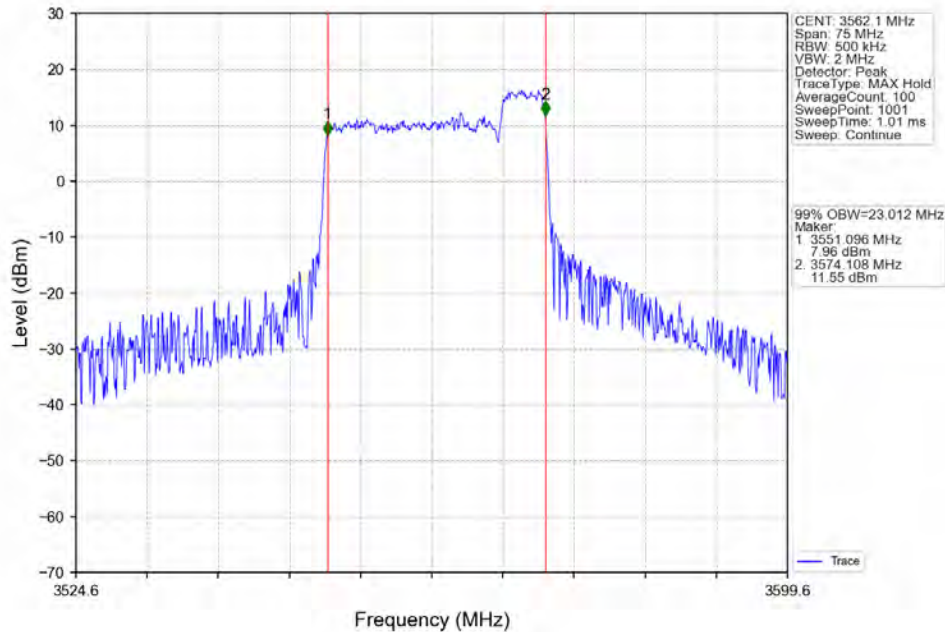
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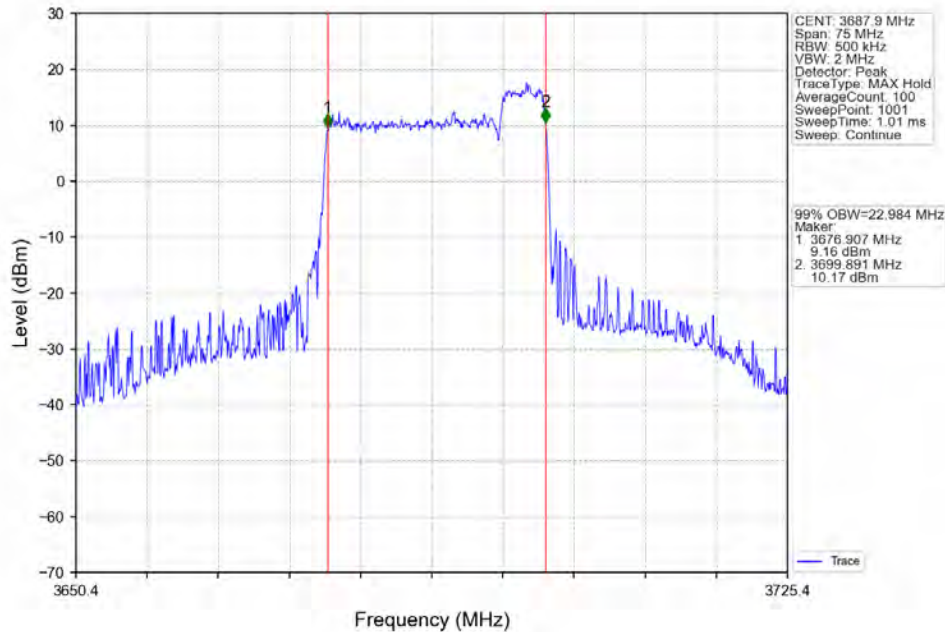
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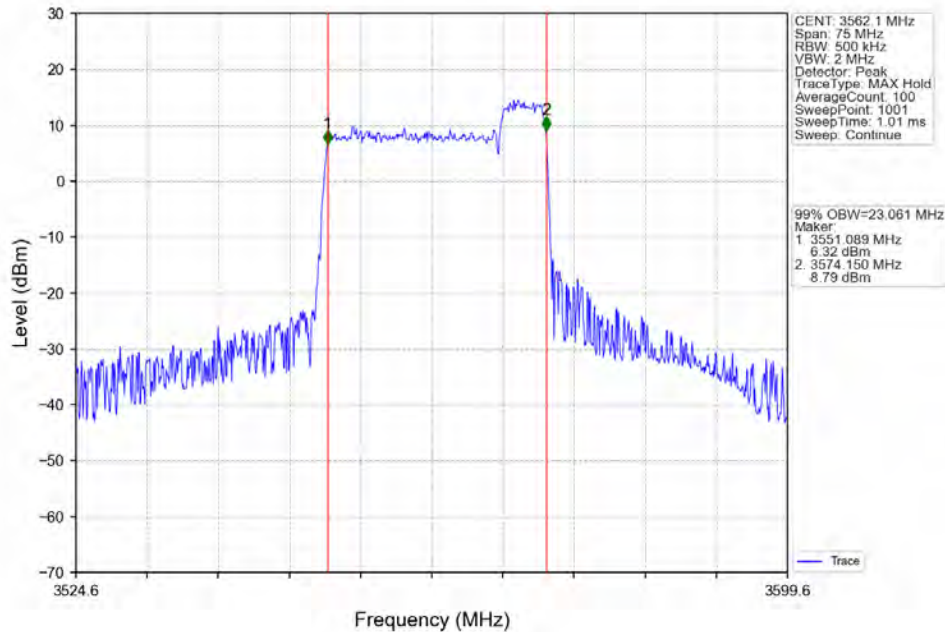
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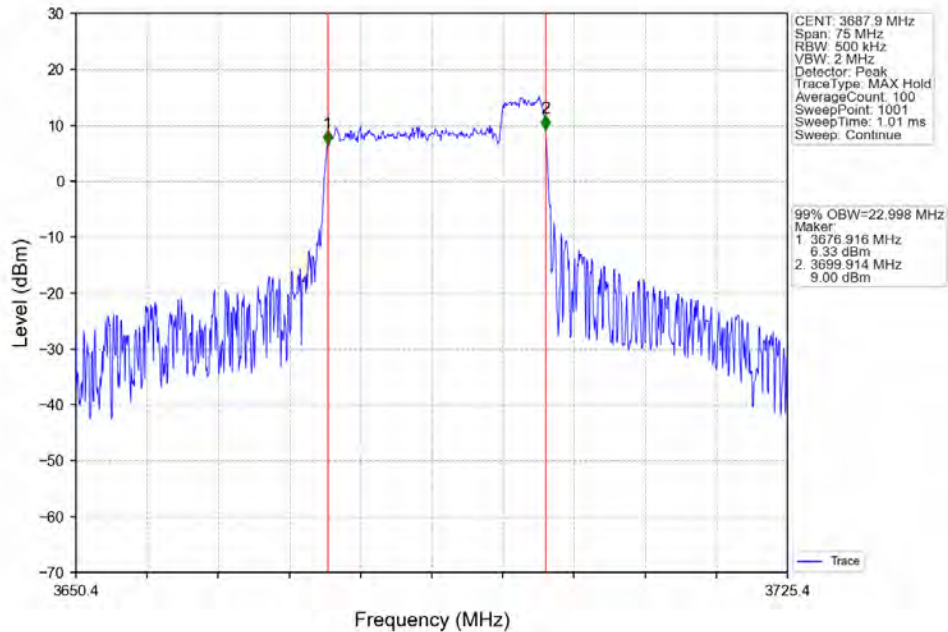
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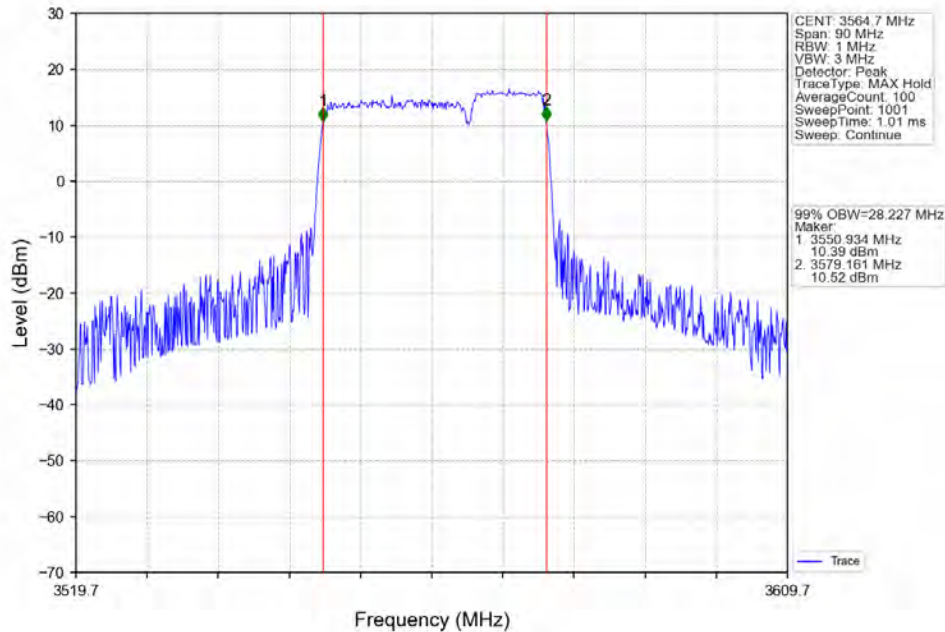
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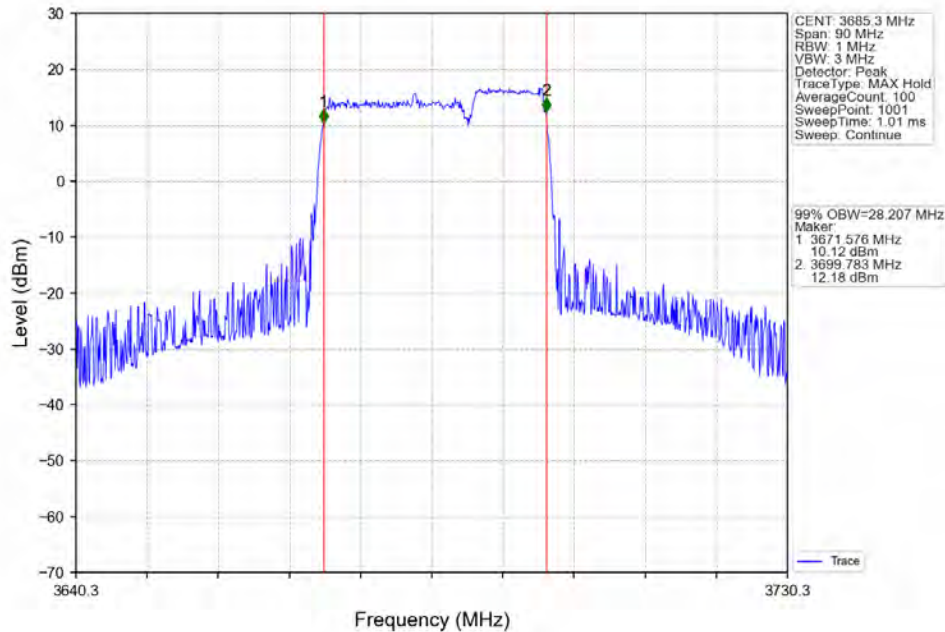
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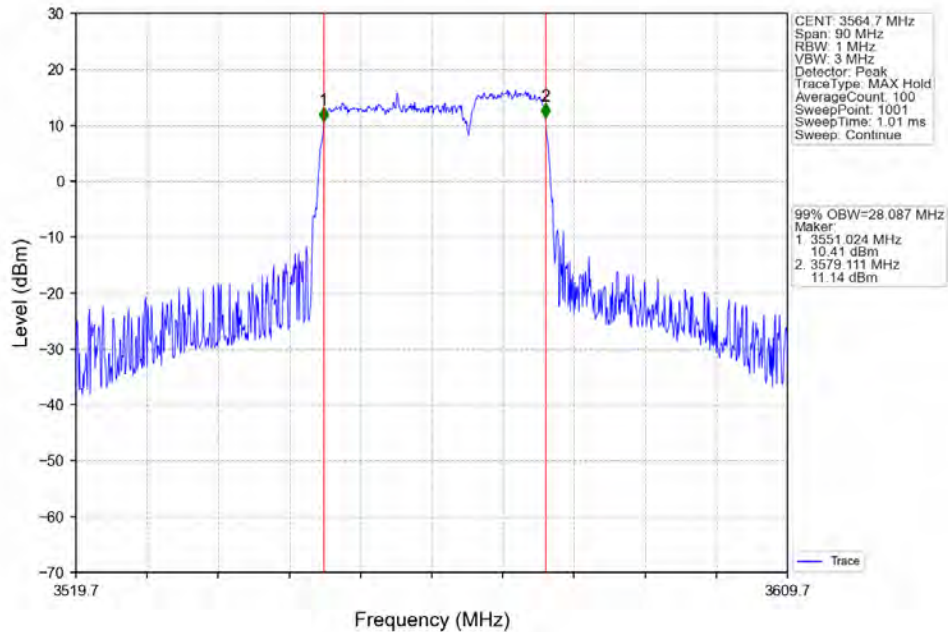
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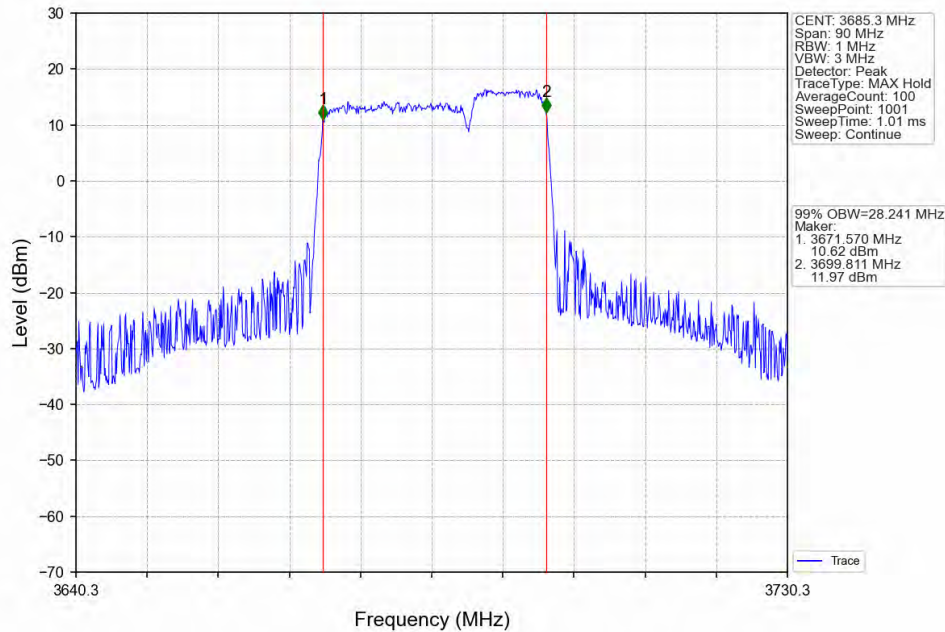
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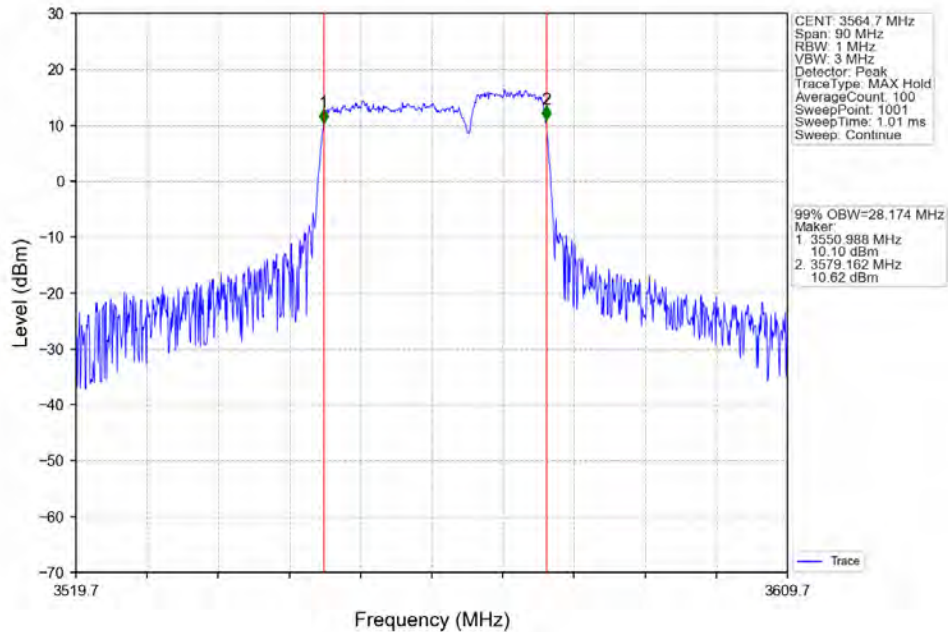
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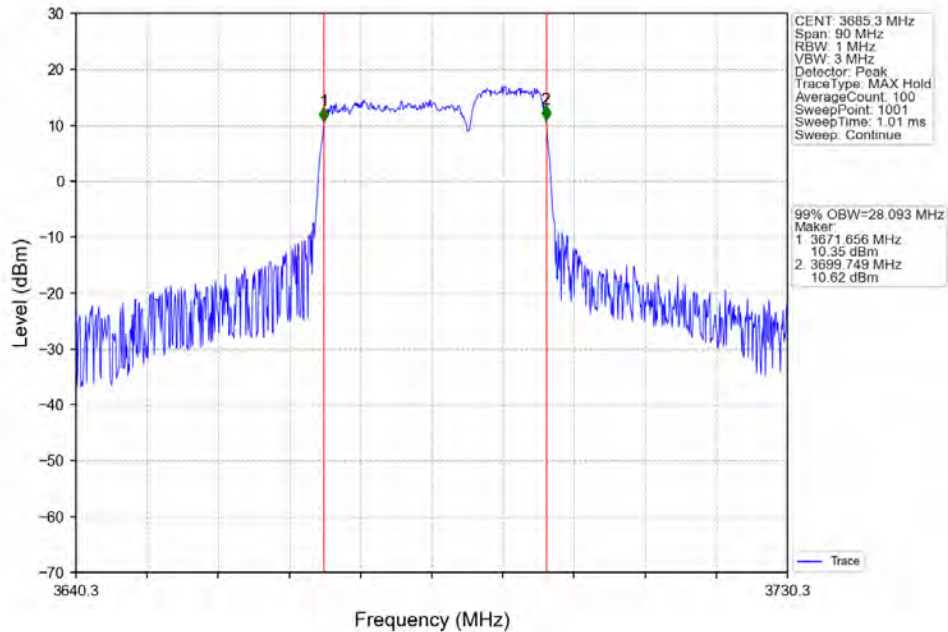
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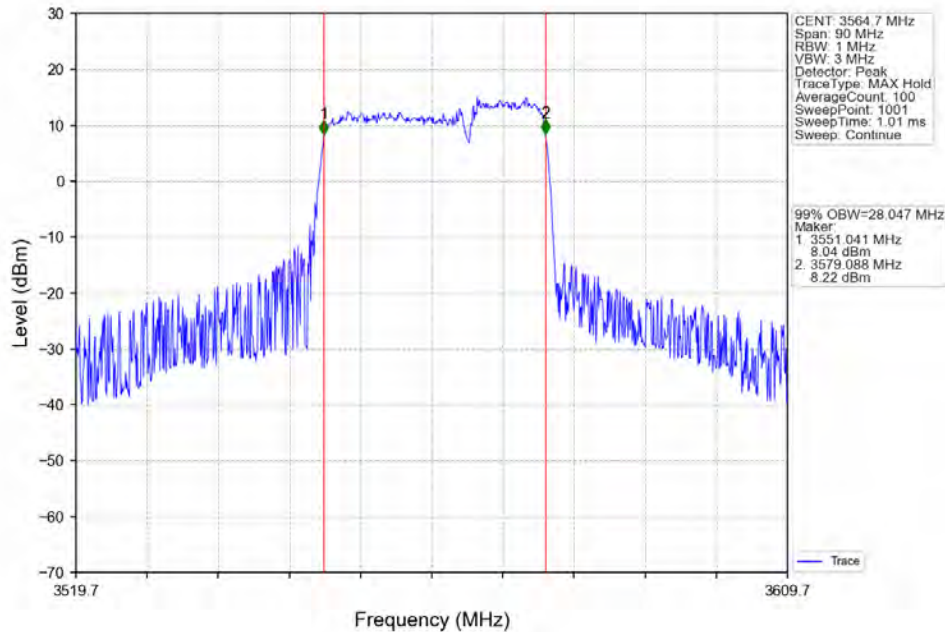
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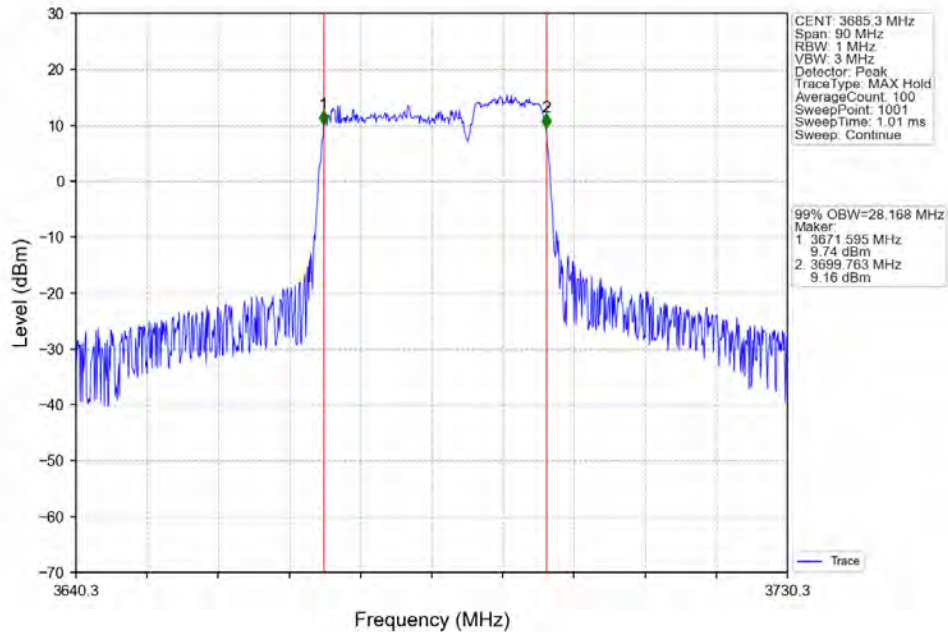
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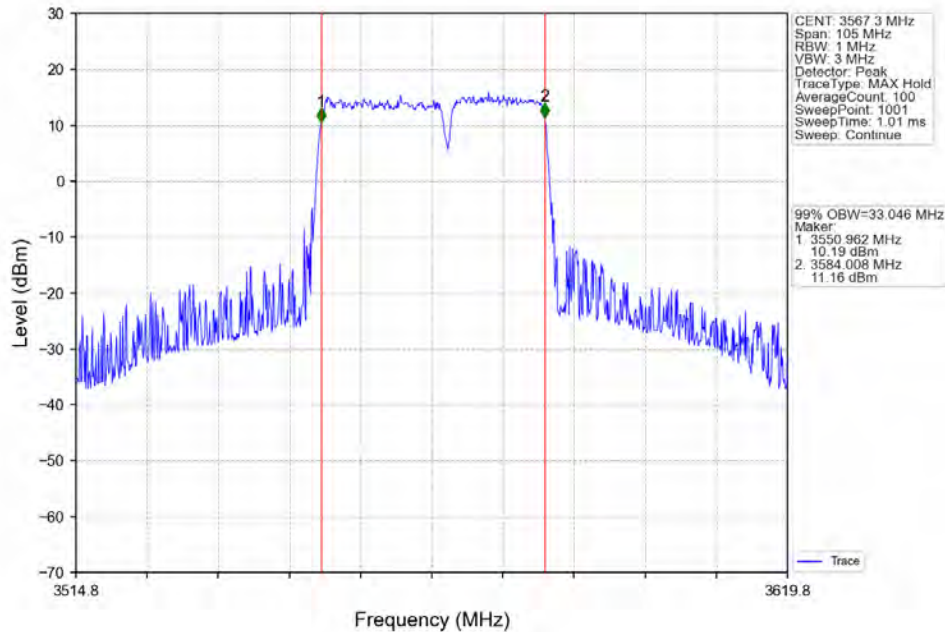
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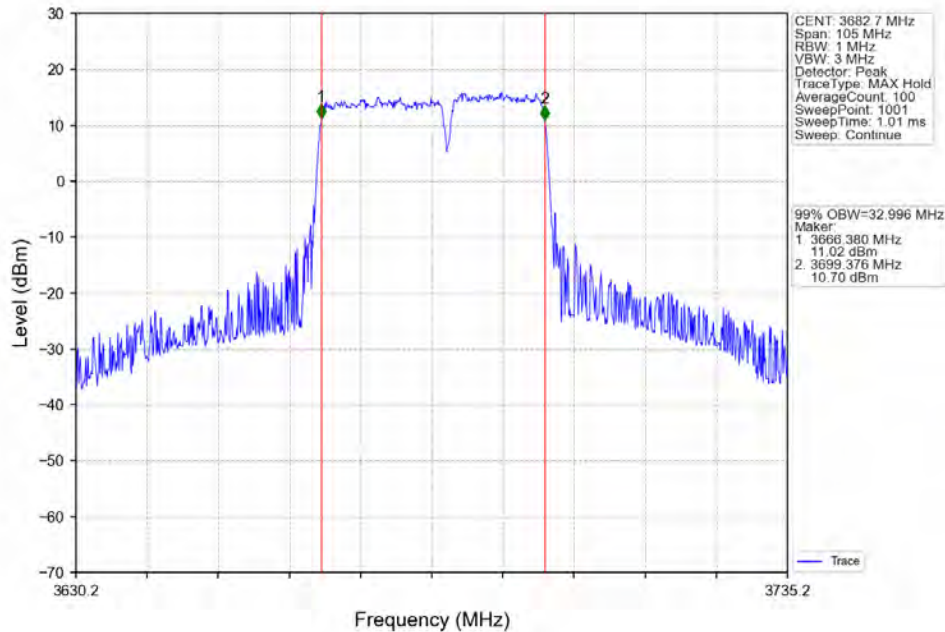
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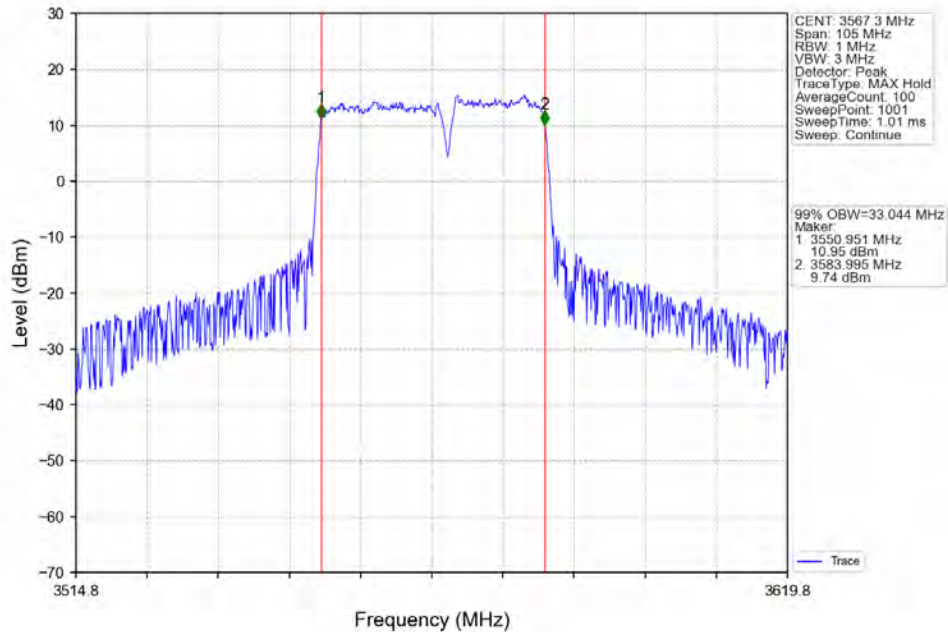
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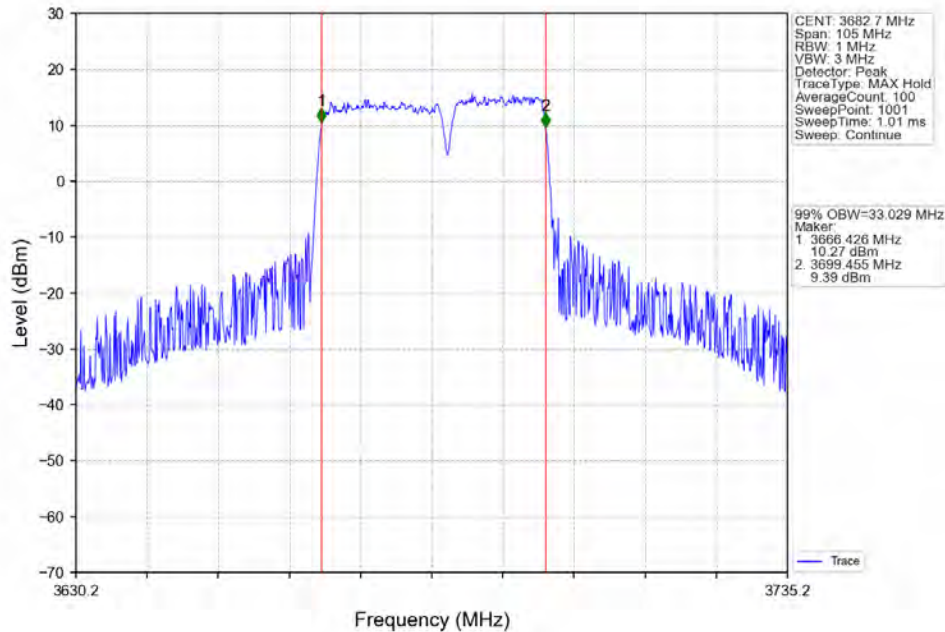
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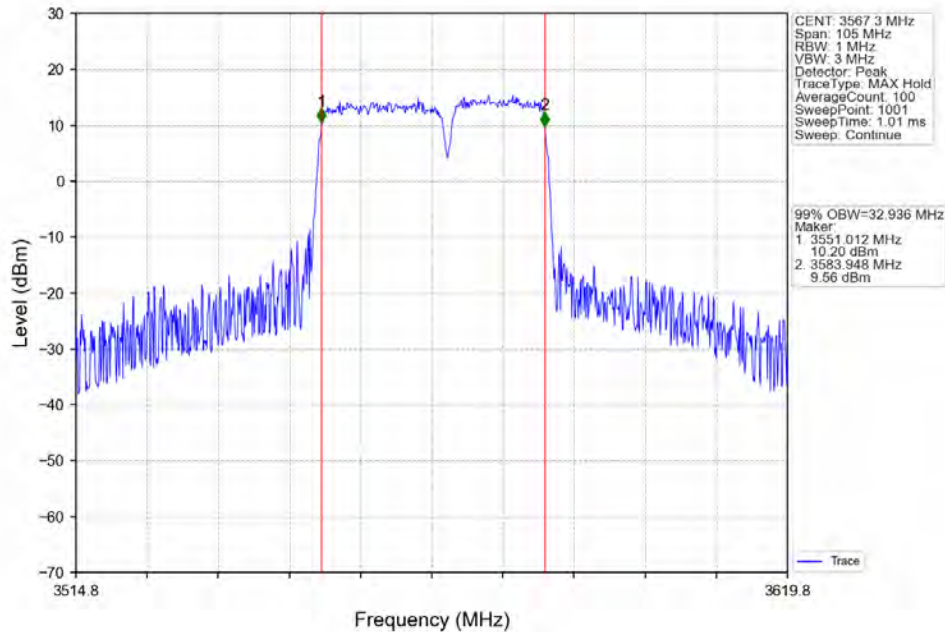
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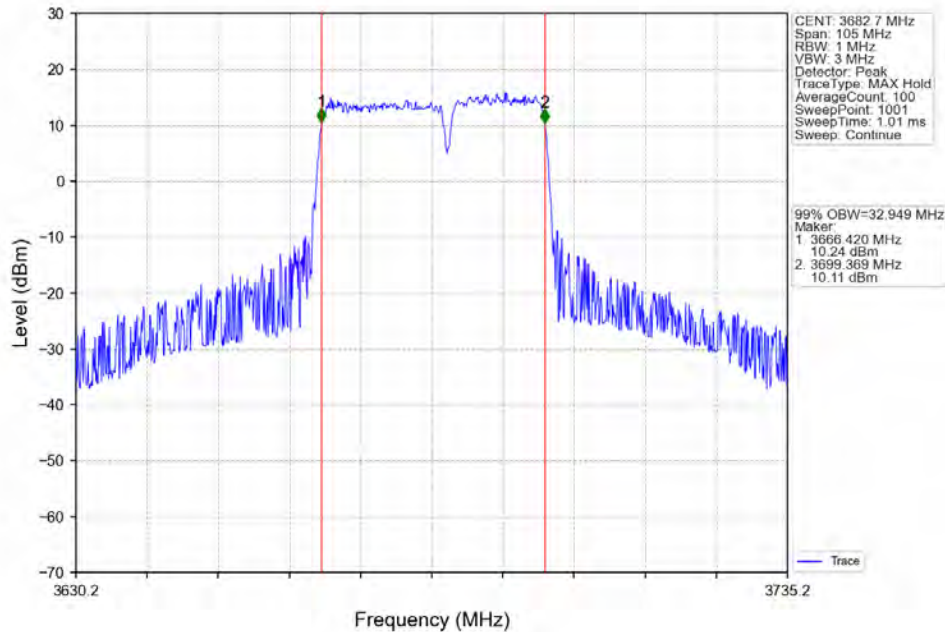
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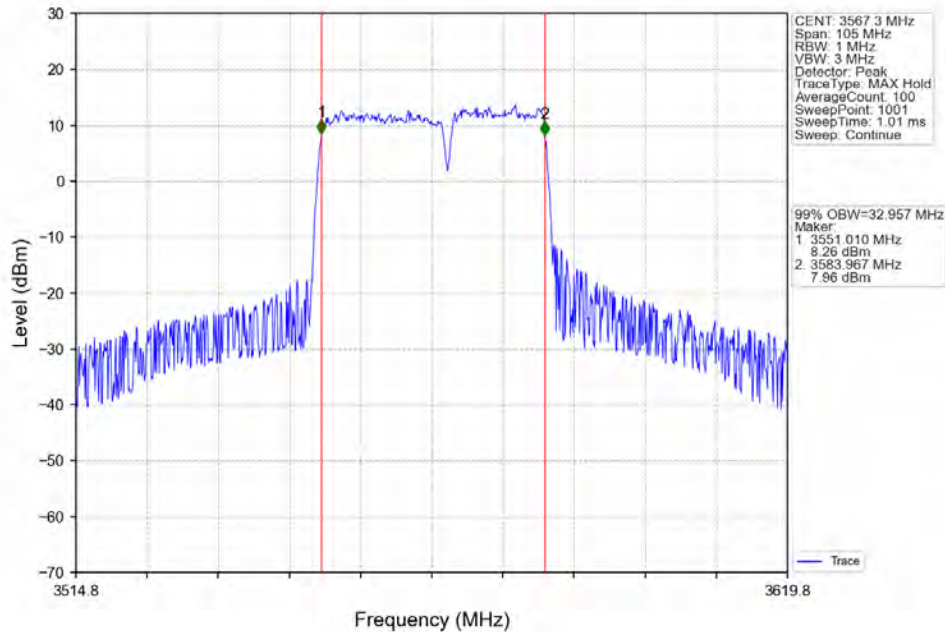
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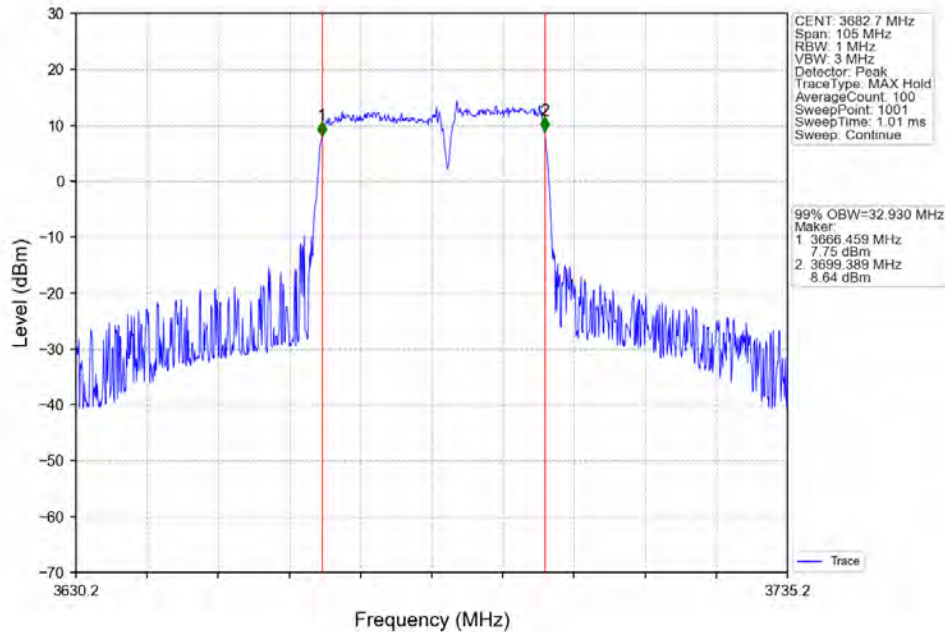
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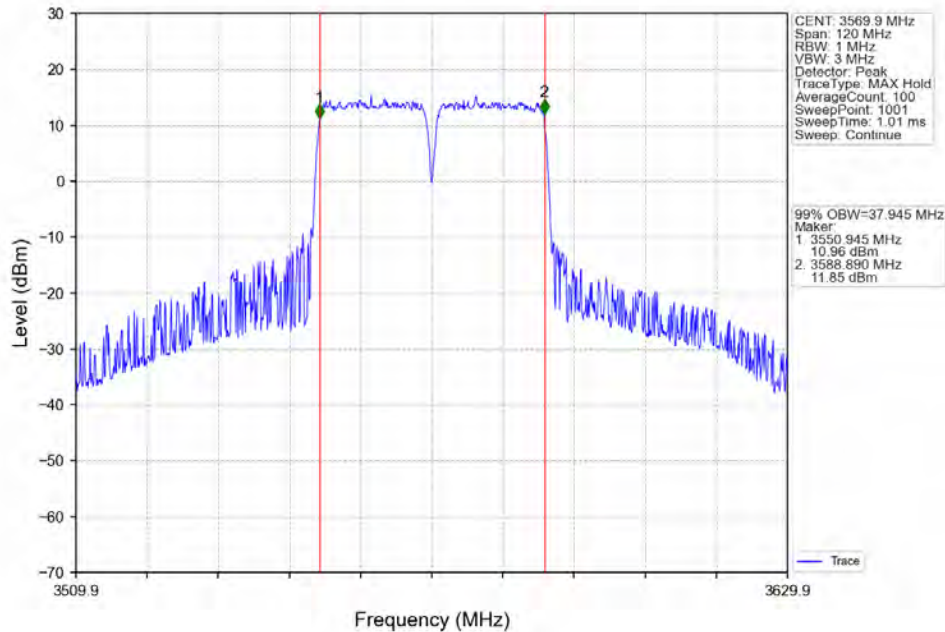
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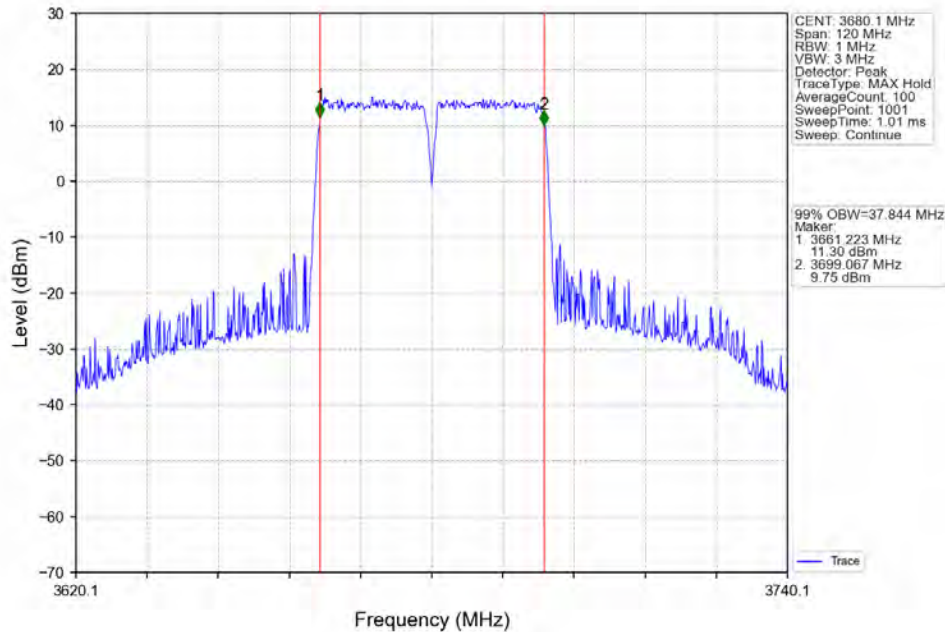
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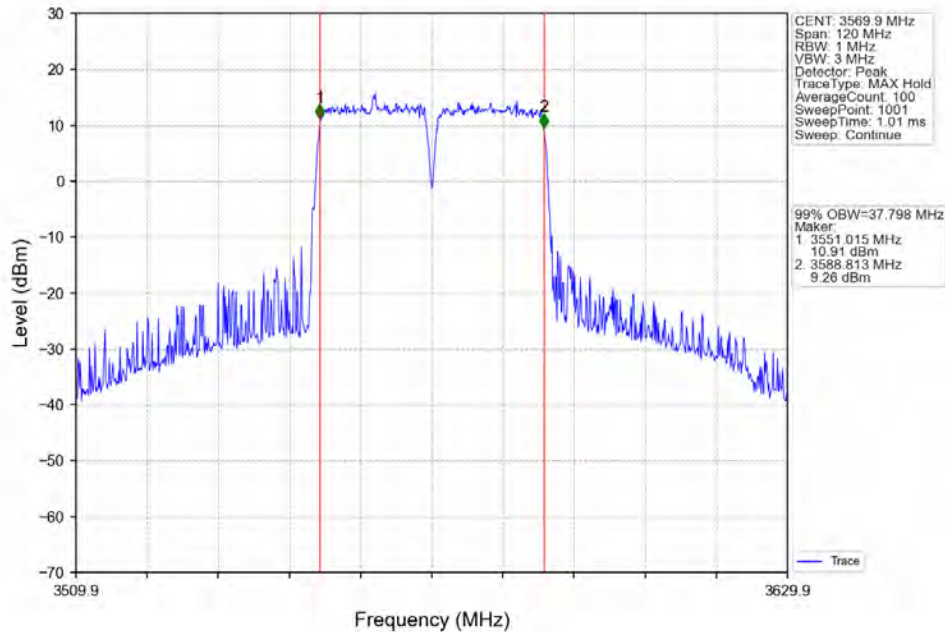
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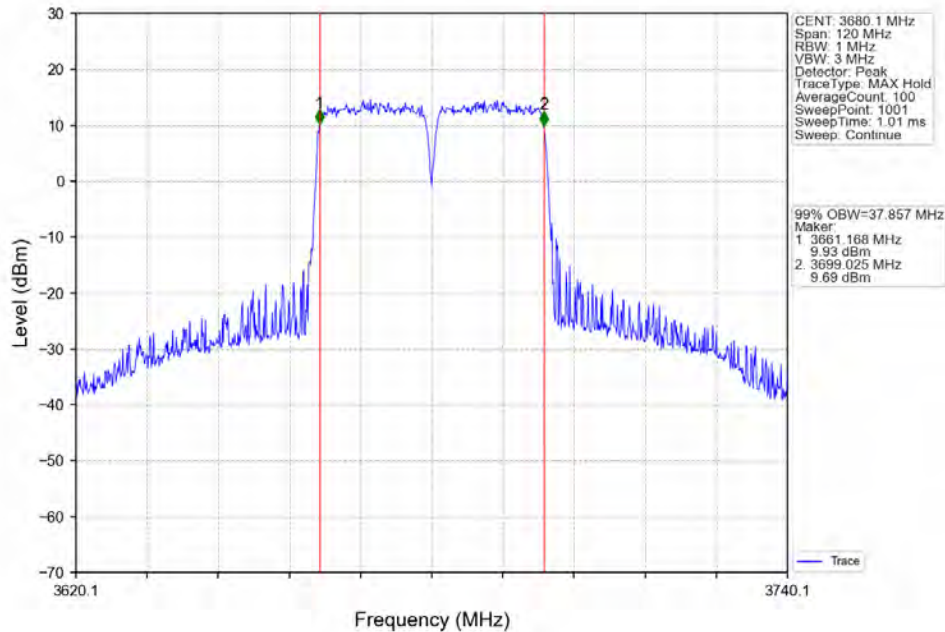
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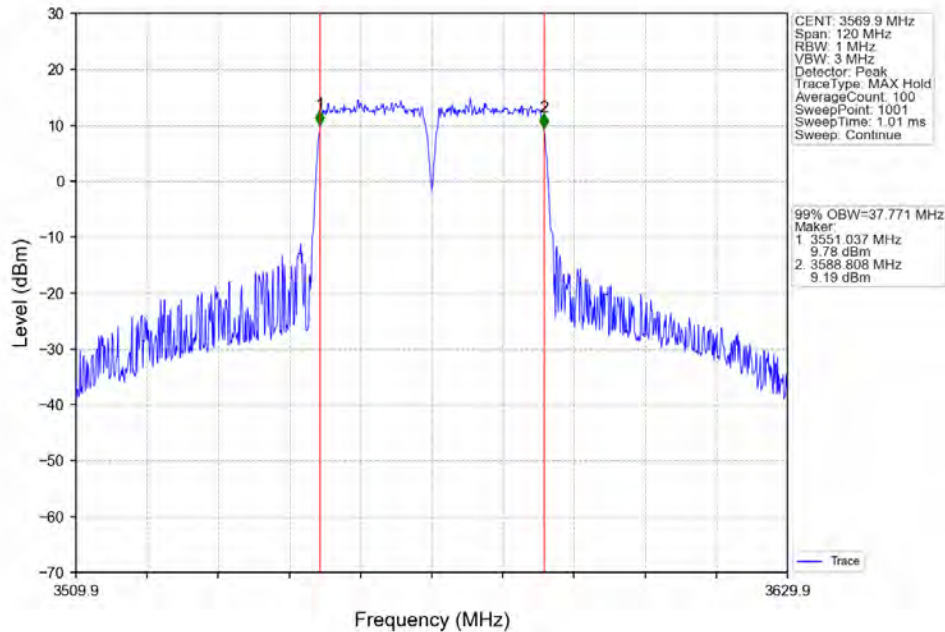
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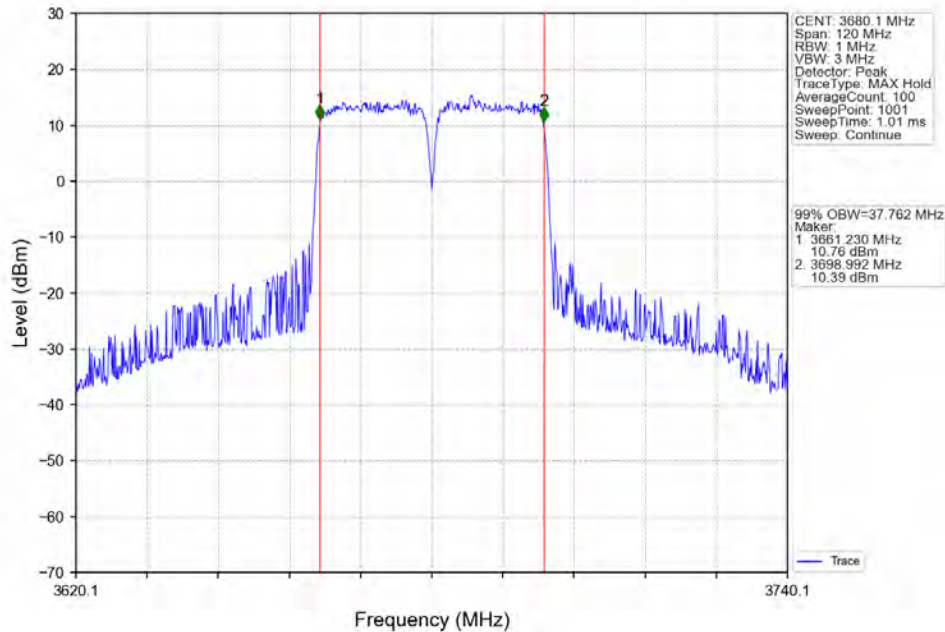
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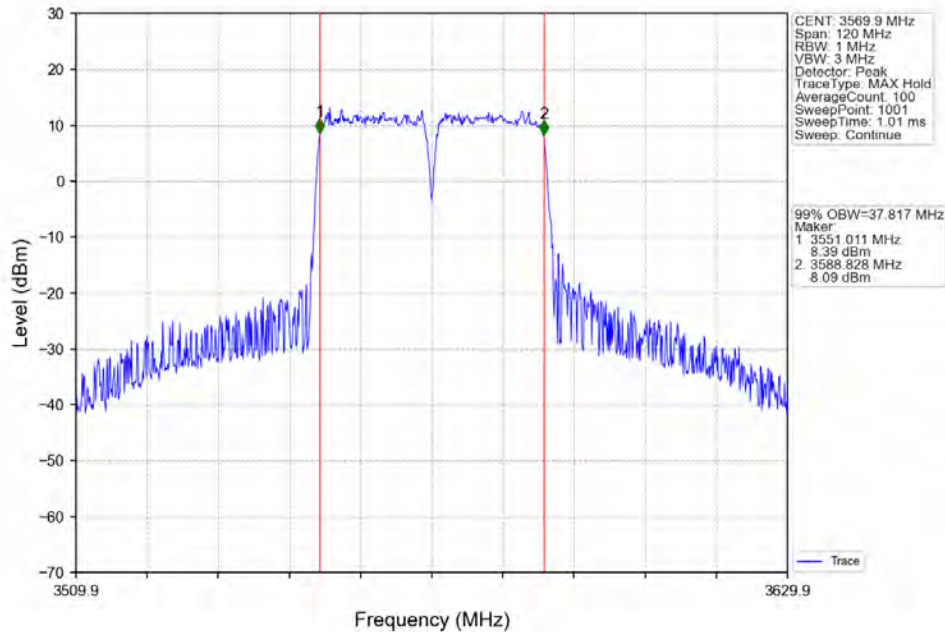
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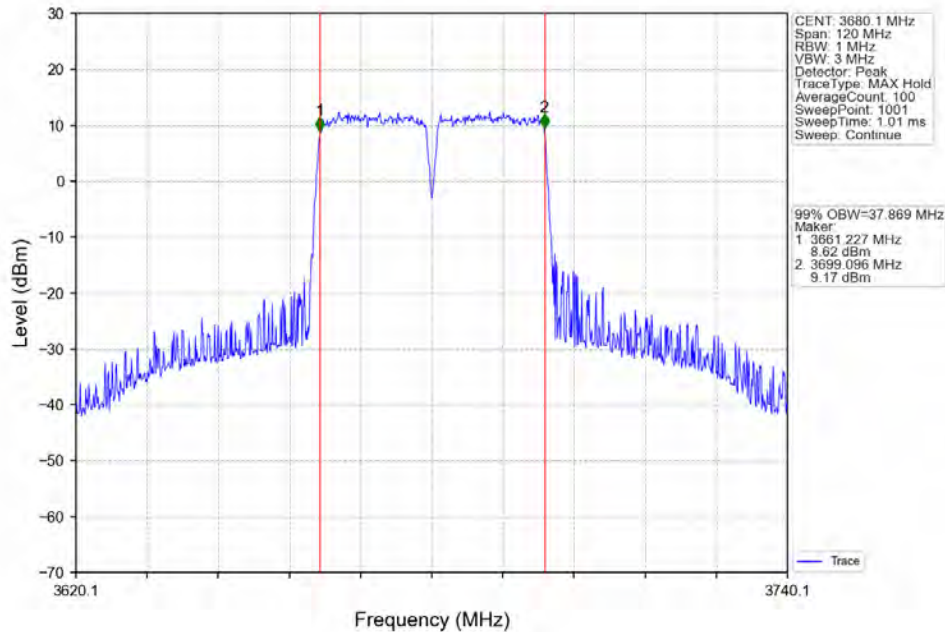
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2.2 CA_48C_NTNV_XDB

2.2.1 Test Result

Band: CA 48C / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:5 CC2:20	CC1: QPSK CC2: QPSK	CC1:3552.5 CC2:3564.2	CC1: 25@0 CC2: 100@0	38.27	/	Pass
		CC1:3678.3 CC2:3690	CC1: 25@0 CC2: 100@0	37.27	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:3552.5 CC2:3564.2	CC1: 25@0 CC2: 100@0	31.87	/	Pass
		CC1:3678.3 CC2:3690	CC1: 25@0 CC2: 100@0	41.15	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:3552.5 CC2:3564.2	CC1: 25@0 CC2: 100@0	37.47	/	Pass
		CC1:3678.3 CC2:3690	CC1: 25@0 CC2: 100@0	29.11	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:3552.5 CC2:3564.2	CC1: 25@0 CC2: 100@0	30.27	/	Pass
		CC1:3678.3 CC2:3690	CC1: 25@0 CC2: 100@0	37.89	/	Pass
CC1:10 CC2:20	CC1: QPSK CC2: QPSK	CC1:3555 CC2:3569.4	CC1: 50@0 CC2: 100@0	33.76	/	Pass
		CC1:3675.6 CC2:3690	CC1: 50@0 CC2: 100@0	31.52	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:3555 CC2:3569.4	CC1: 50@0 CC2: 100@0	31.12	/	Pass
		CC1:3675.6 CC2:3690	CC1: 50@0 CC2: 100@0	32.69	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:3555 CC2:3569.4	CC1: 50@0 CC2: 100@0	31.20	/	Pass
		CC1:3675.6 CC2:3690	CC1: 50@0 CC2: 100@0	33.21	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:3555 CC2:3569.4	CC1: 50@0 CC2: 100@0	32.65	/	Pass
		CC1:3675.6 CC2:3690	CC1: 50@0 CC2: 100@0	30.65	/	Pass
CC1:15 CC2:20	CC1: QPSK CC2: QPSK	CC1:3557.5 CC2:3574.6	CC1: 75@0 CC2: 100@0	38.92	/	Pass
		CC1:3672.9 CC2:3690	CC1: 75@0 CC2: 100@0	37.80	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:3557.5 CC2:3574.6	CC1: 75@0 CC2: 100@0	36.91	/	Pass
		CC1:3672.9 CC2:3690	CC1: 75@0 CC2: 100@0	38.17	/	Pass



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	CC1: 64QAM	CC1:3557.5 CC2:3574.6	CC1: 75@0 CC2: 100@0	35.41	/	Pass
	CC2: 64QAM	CC1:3672.9 CC2:3690	CC1: 75@0 CC2: 100@0	37.15	/	Pass
	CC1: 256QAM	CC1:3557.5 CC2:3574.6	CC1: 75@0 CC2: 100@0	36.71	/	Pass
	CC2: 256QAM	CC1:3672.9 CC2:3690	CC1: 75@0 CC2: 100@0	36.29	/	Pass
CC1:20 CC2:5	CC1: QPSK	CC1:3560 CC2:3571.7	CC1: 100@0 CC2: 25@0	24.40	/	Pass
	CC2: QPSK	CC1:3685.8 CC2:3697.5	CC1: 100@0 CC2: 25@0	24.43	/	Pass
	CC1: 16QAM	CC1:3560 CC2:3571.7	CC1: 100@0 CC2: 25@0	24.13	/	Pass
	CC2: 16QAM	CC1:3685.8 CC2:3697.5	CC1: 100@0 CC2: 25@0	24.15	/	Pass
	CC1: 64QAM	CC1:3560 CC2:3571.7	CC1: 100@0 CC2: 25@0	24.86	/	Pass
	CC2: 64QAM	CC1:3685.8 CC2:3697.5	CC1: 100@0 CC2: 25@0	24.23	/	Pass
	CC1: 256QAM	CC1:3560 CC2:3571.7	CC1: 100@0 CC2: 25@0	24.22	/	Pass
	CC2: 256QAM	CC1:3685.8 CC2:3697.5	CC1: 100@0 CC2: 25@0	26.17	/	Pass
CC1:20 CC2:10	CC1: QPSK	CC1:3560 CC2:3574.4	CC1: 100@0 CC2: 50@0	33.67	/	Pass
	CC2: QPSK	CC1:3680.6 CC2:3695	CC1: 100@0 CC2: 50@0	31.50	/	Pass
	CC1: 16QAM	CC1:3560 CC2:3574.4	CC1: 100@0 CC2: 50@0	31.77	/	Pass
	CC2: 16QAM	CC1:3680.6 CC2:3695	CC1: 100@0 CC2: 50@0	31.71	/	Pass
	CC1: 64QAM	CC1:3560 CC2:3574.4	CC1: 100@0 CC2: 50@0	32.42	/	Pass
	CC2: 64QAM	CC1:3680.6 CC2:3695	CC1: 100@0 CC2: 50@0	30.81	/	Pass
	CC1: 256QAM	CC1:3560 CC2:3574.4	CC1: 100@0 CC2: 50@0	30.88	/	Pass
	CC2: 256QAM	CC1:3680.6 CC2:3695	CC1: 100@0 CC2: 50@0	30.76	/	Pass
CC1:20 CC2:15	CC1: QPSK	CC1:3560 CC2:3577.1	CC1: 100@0 CC2: 75@0	36.95	/	Pass
	CC2: QPSK	CC1:3675.4 CC2:3692.5	CC1: 100@0 CC2: 75@0	37.04	/	Pass
	CC1: 16QAM	CC1:3560 CC2:3577.1	CC1: 100@0 CC2: 75@0	36.49	/	Pass
	CC2: 16QAM	CC1:3675.4 CC2:3692.5	CC1: 100@0 CC2: 75@0	39.10	/	Pass
	CC1: 64QAM	CC1:3560 CC2:3577.1	CC1: 100@0 CC2: 75@0	36.05	/	Pass



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	CC2: 64QAM	CC1:3675.4 CC2:3692.5	CC1: 100@0 CC2: 75@0	37.30	/	Pass
	CC1: 256QAM	CC1:3560 CC2:3577.1	CC1: 100@0 CC2: 75@0	36.54	/	Pass
	CC2: 256QAM	CC1:3675.4 CC2:3692.5	CC1: 100@0 CC2: 75@0	37.14	/	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:3560 CC2:3579.8	CC1: 100@0 CC2: 100@0	41.97	/	Pass
		CC1:3670.2 CC2:3690	CC1: 100@0 CC2: 100@0	40.40	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:3560 CC2:3579.8	CC1: 100@0 CC2: 100@0	40.56	/	Pass
		CC1:3670.2 CC2:3690	CC1: 100@0 CC2: 100@0	41.11	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:3560 CC2:3579.8	CC1: 100@0 CC2: 100@0	40.71	/	Pass
		CC1:3670.2 CC2:3690	CC1: 100@0 CC2: 100@0	40.23	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:3560 CC2:3579.8	CC1: 100@0 CC2: 100@0	40.47	/	Pass
		CC1:3670.2 CC2:3690	CC1: 100@0 CC2: 100@0	41.07	/	Pass



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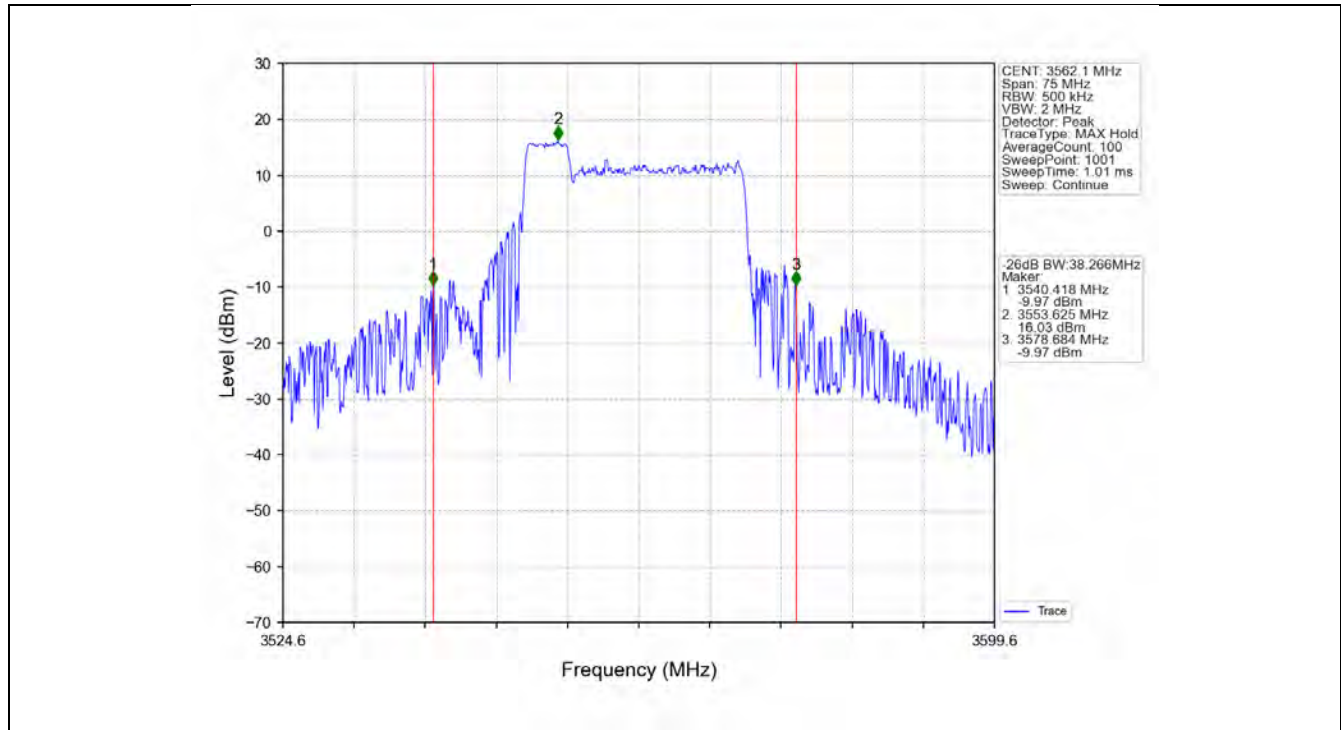
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2.2.2 Test Graph



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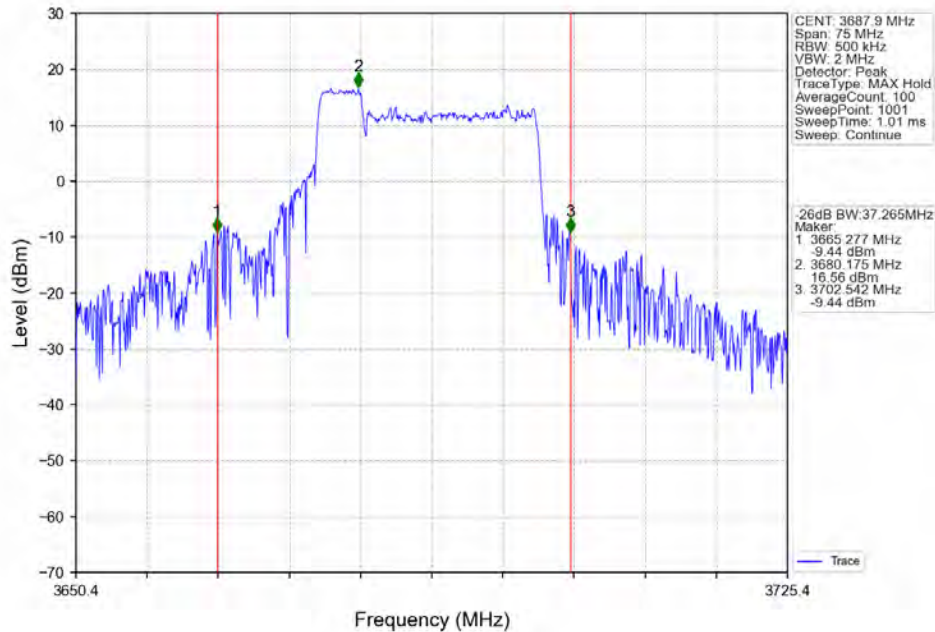
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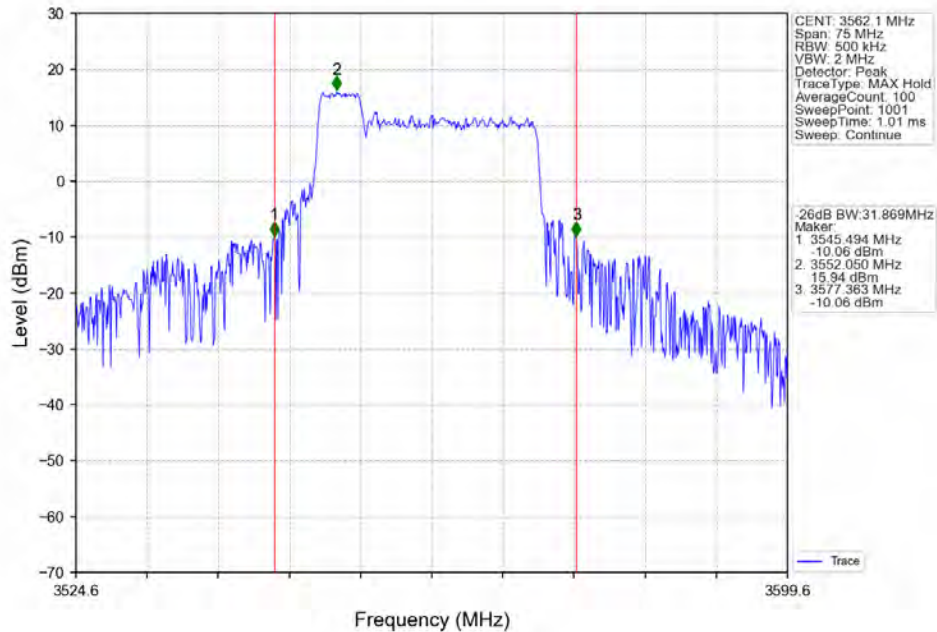
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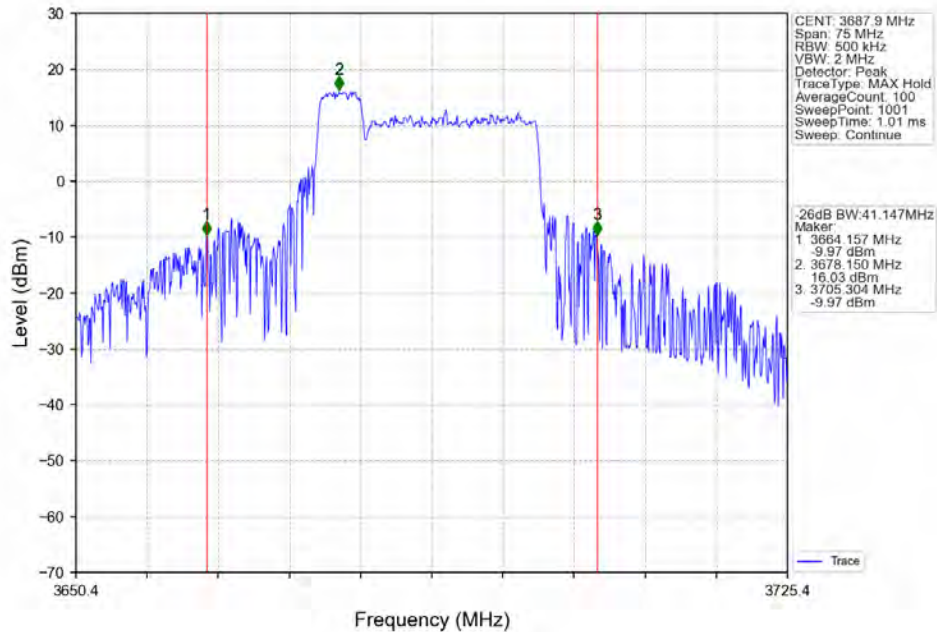
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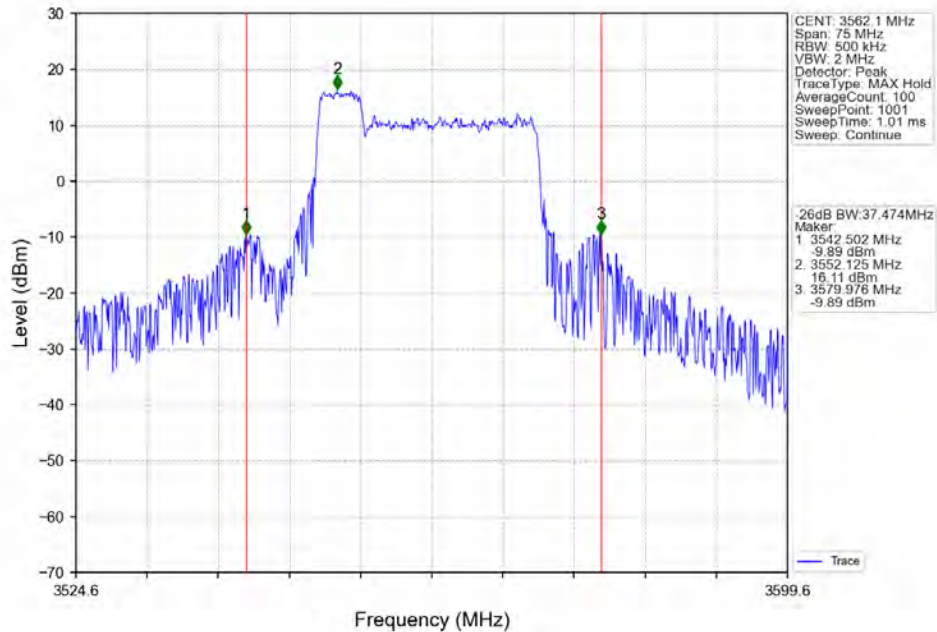
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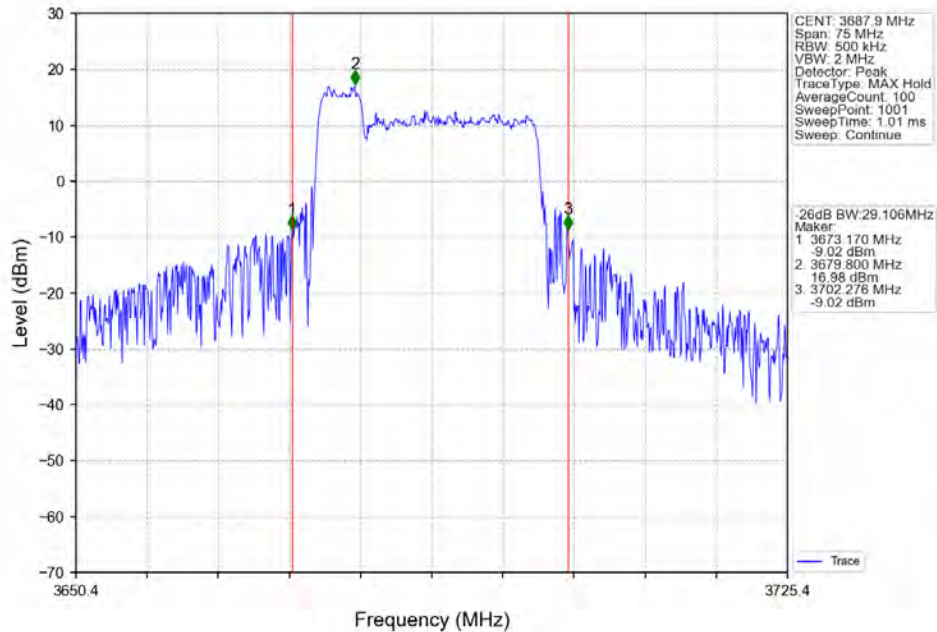
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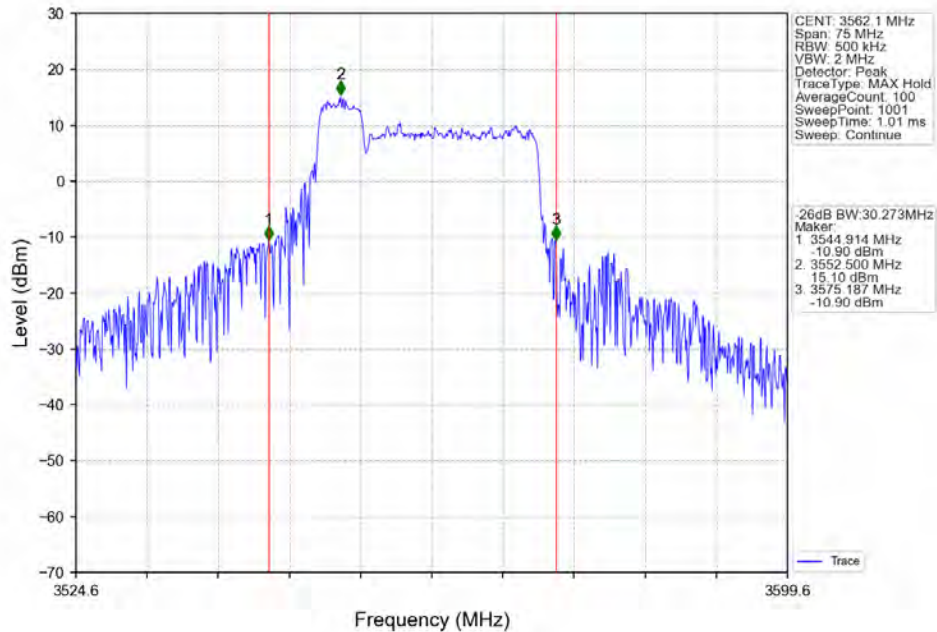
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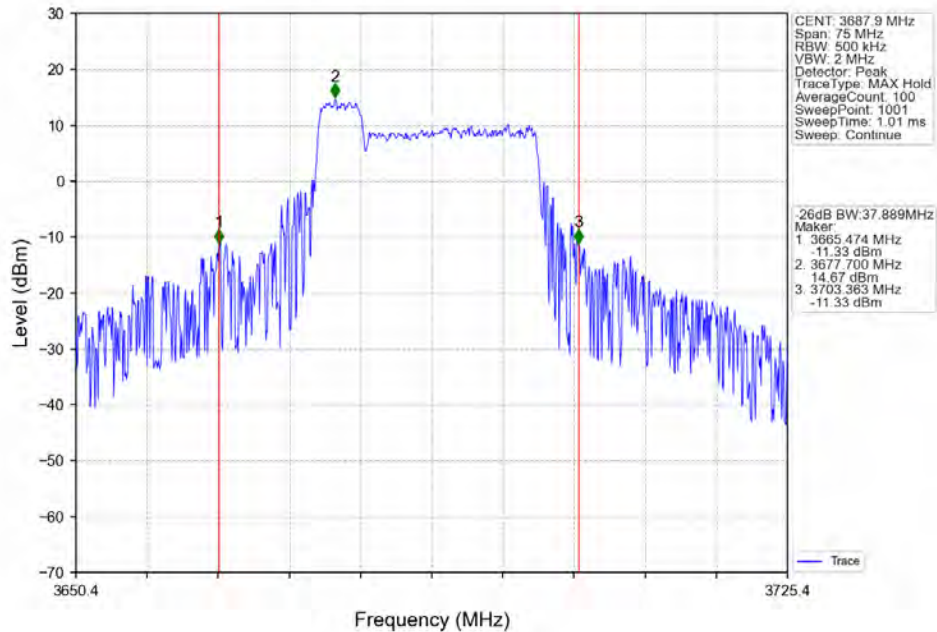
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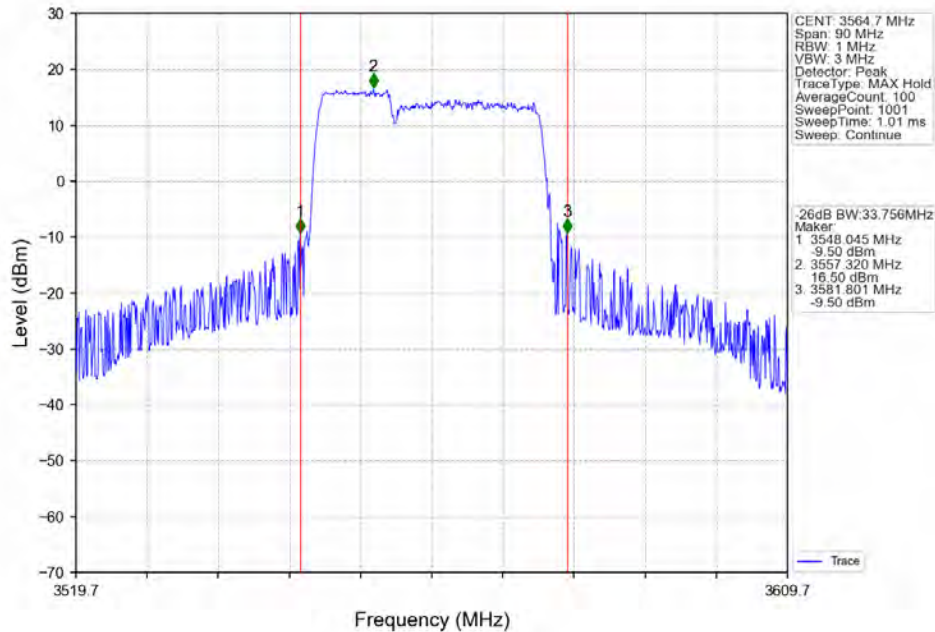
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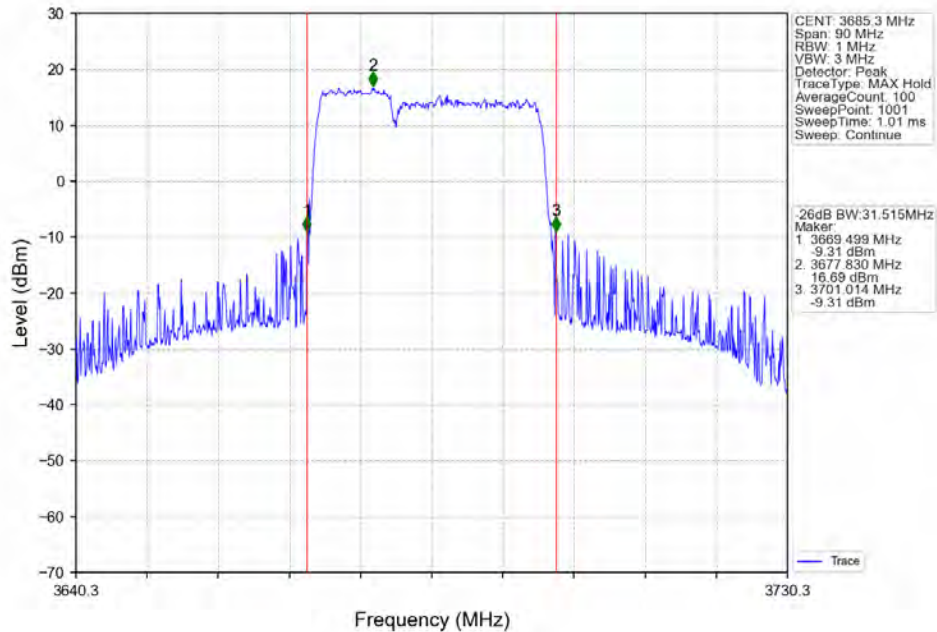
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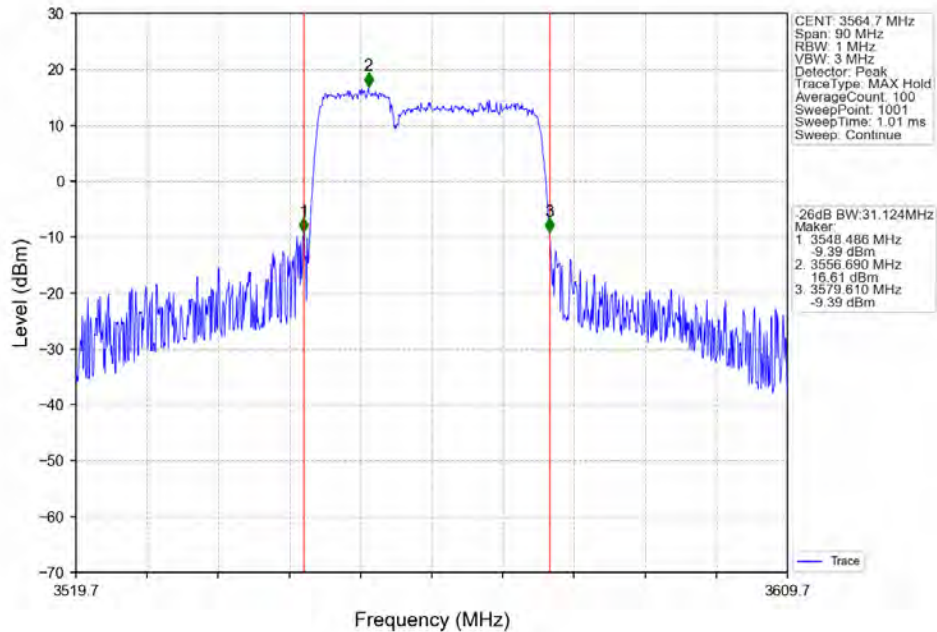
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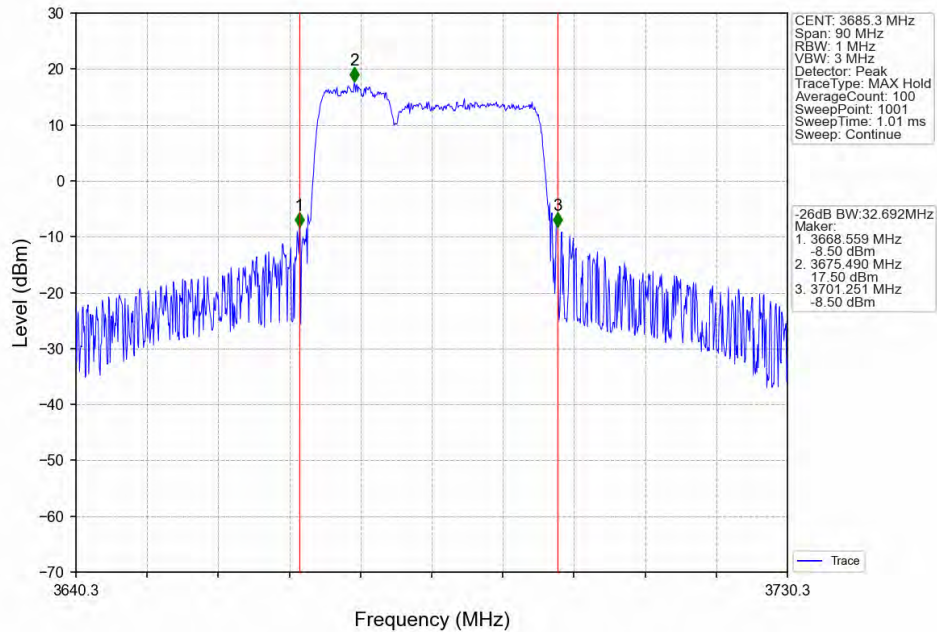
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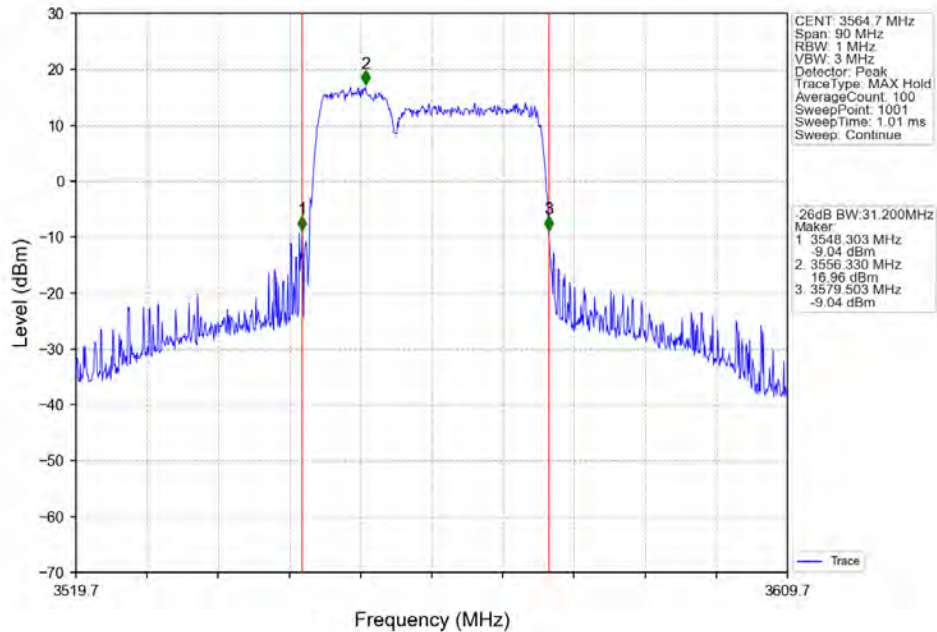
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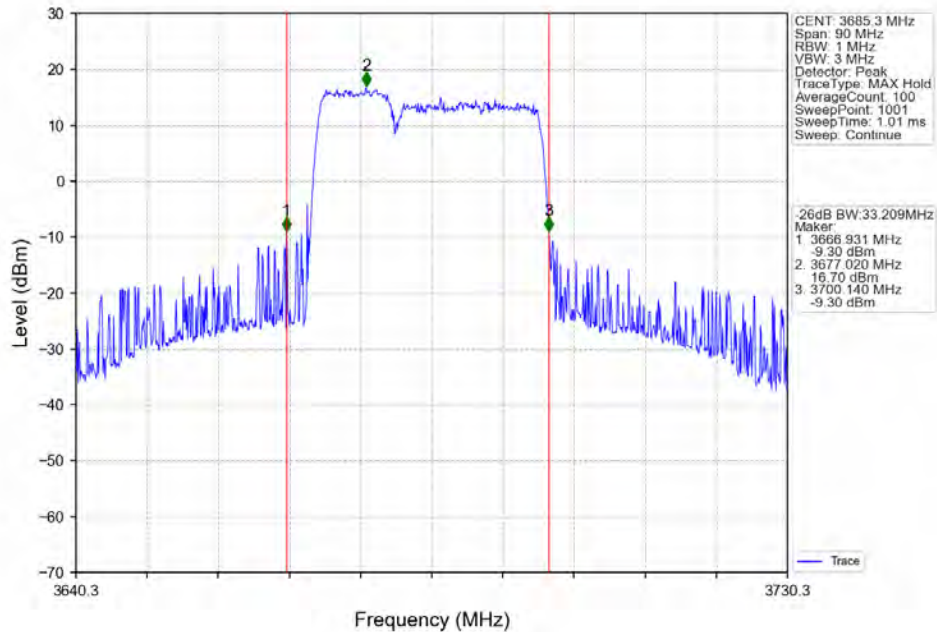
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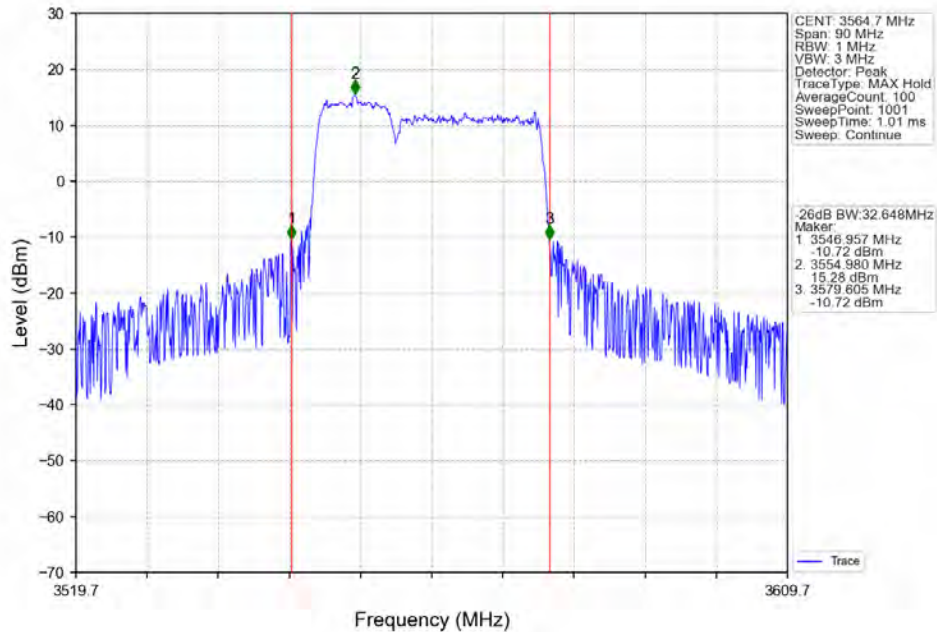
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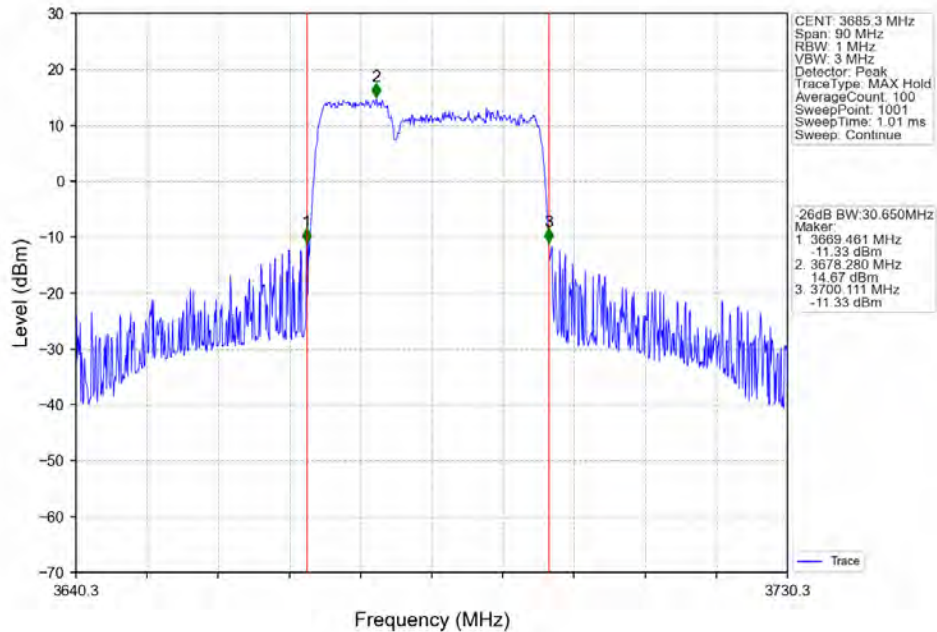
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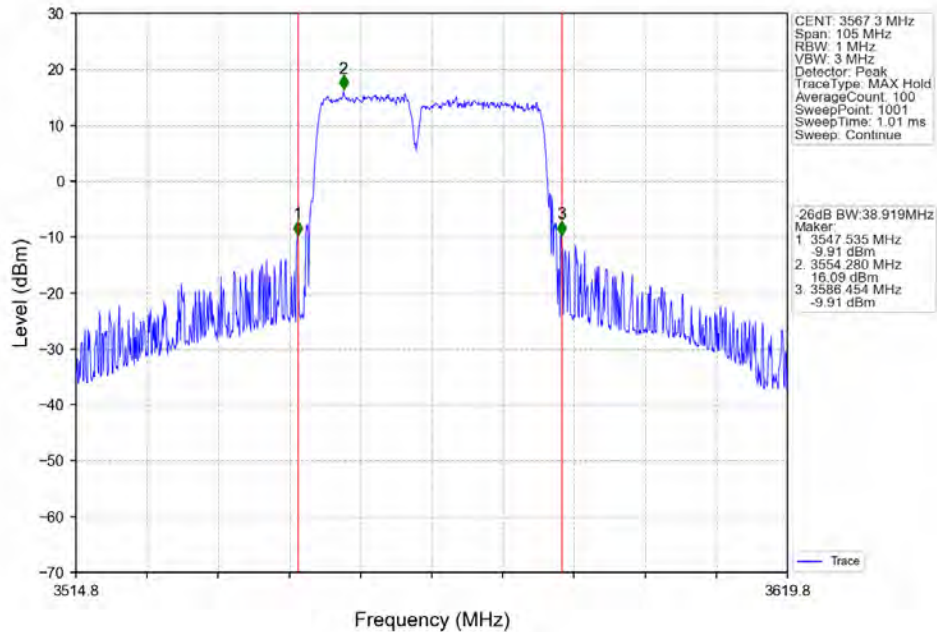
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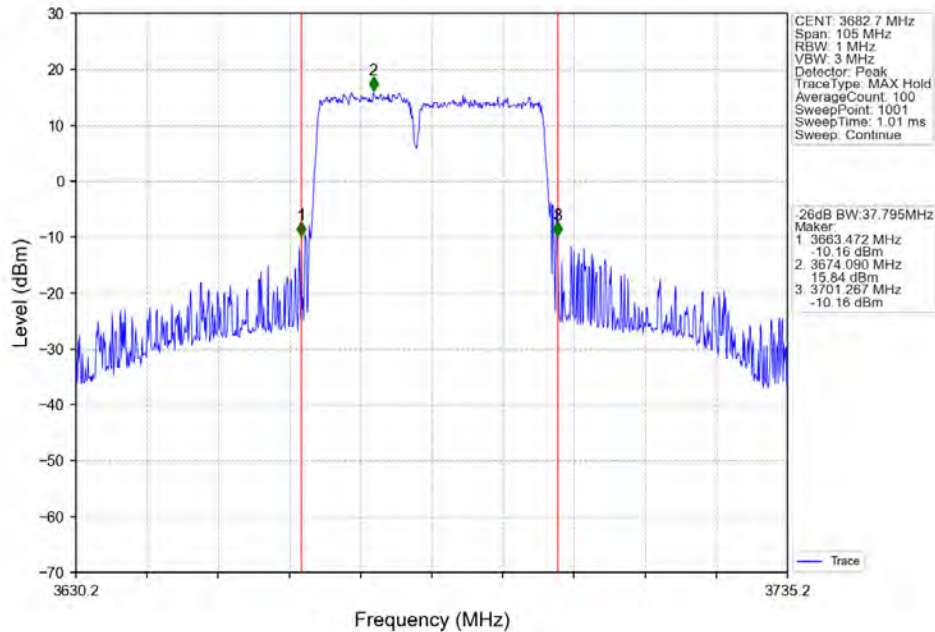
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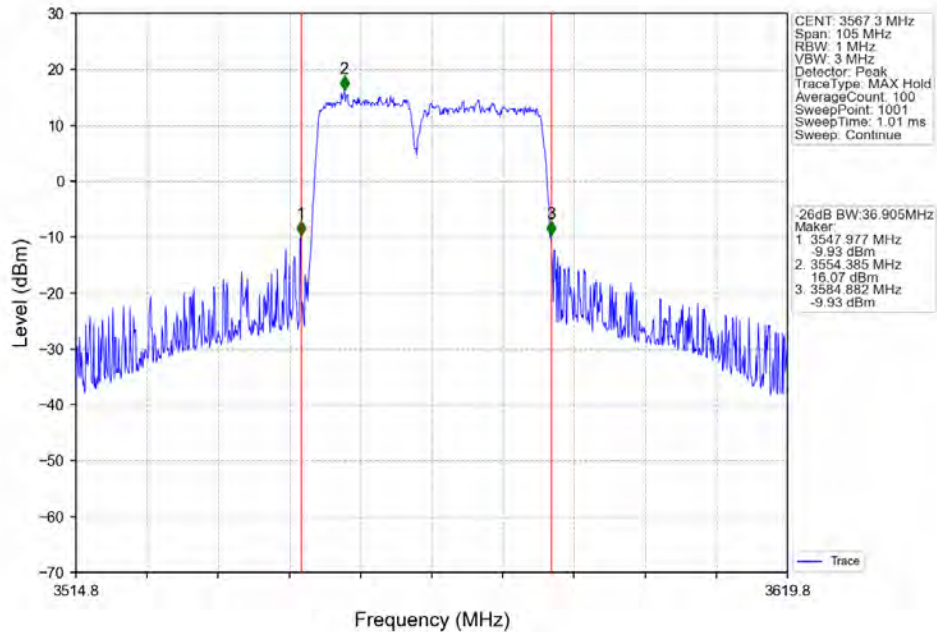
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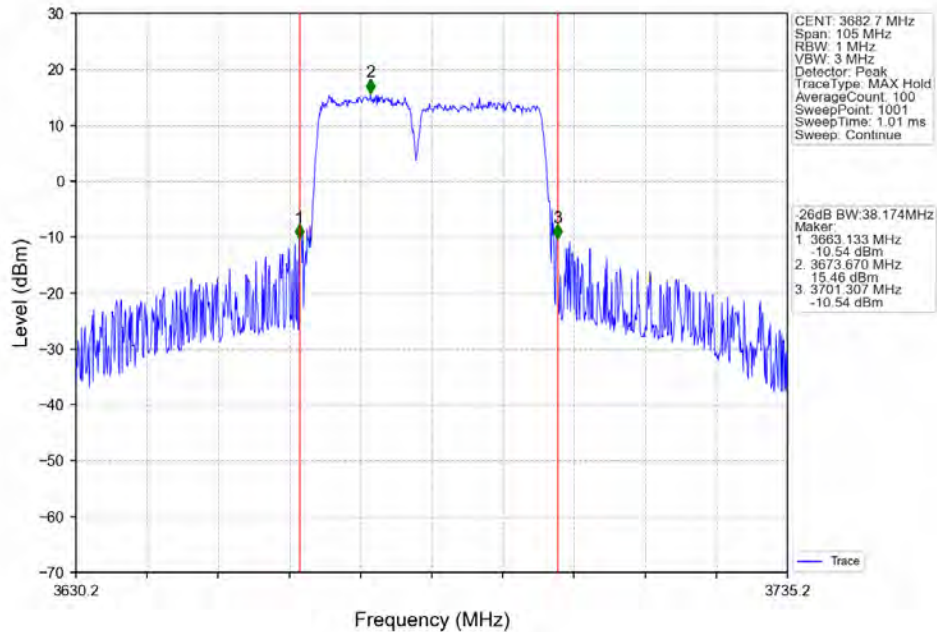
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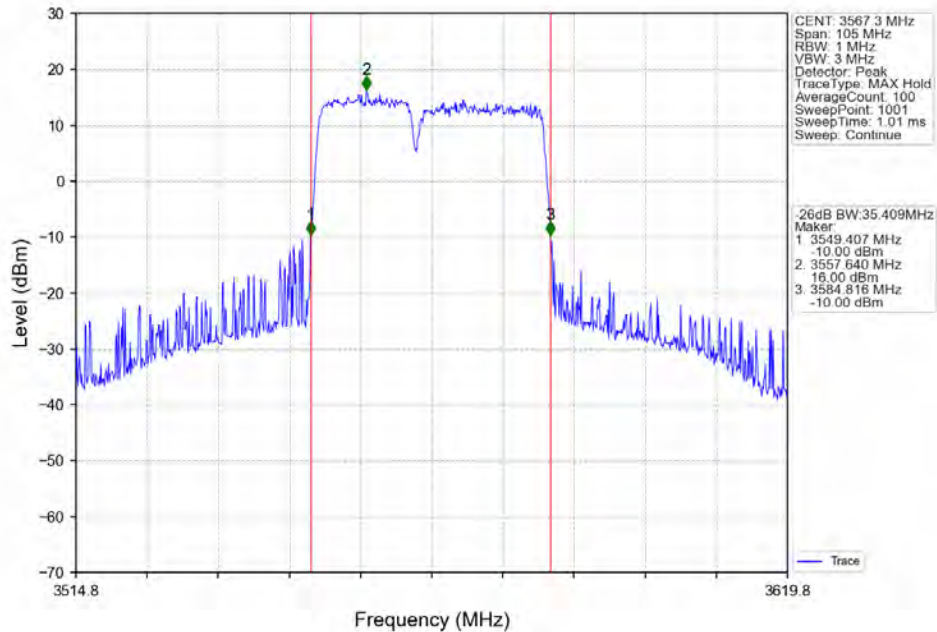
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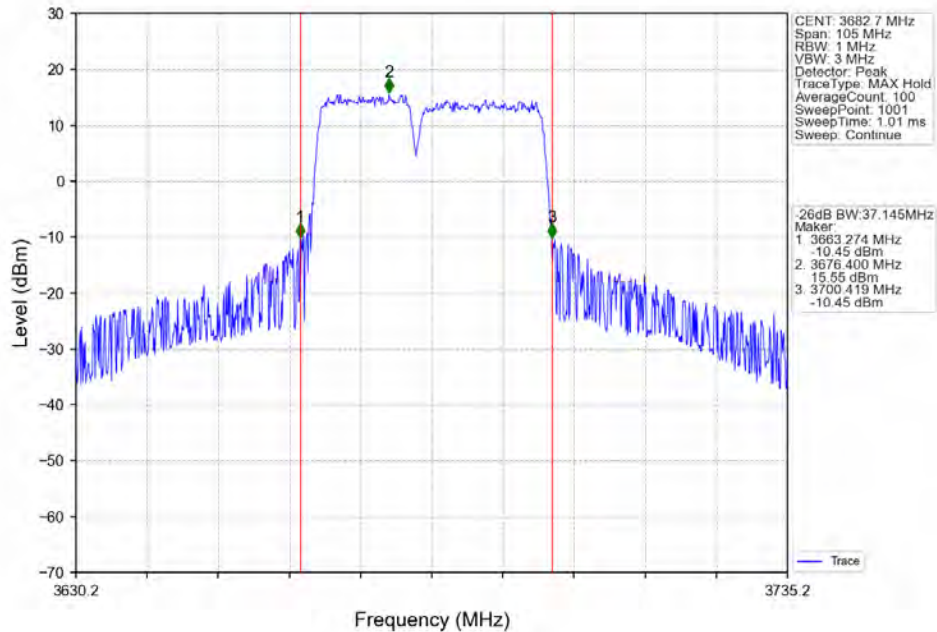
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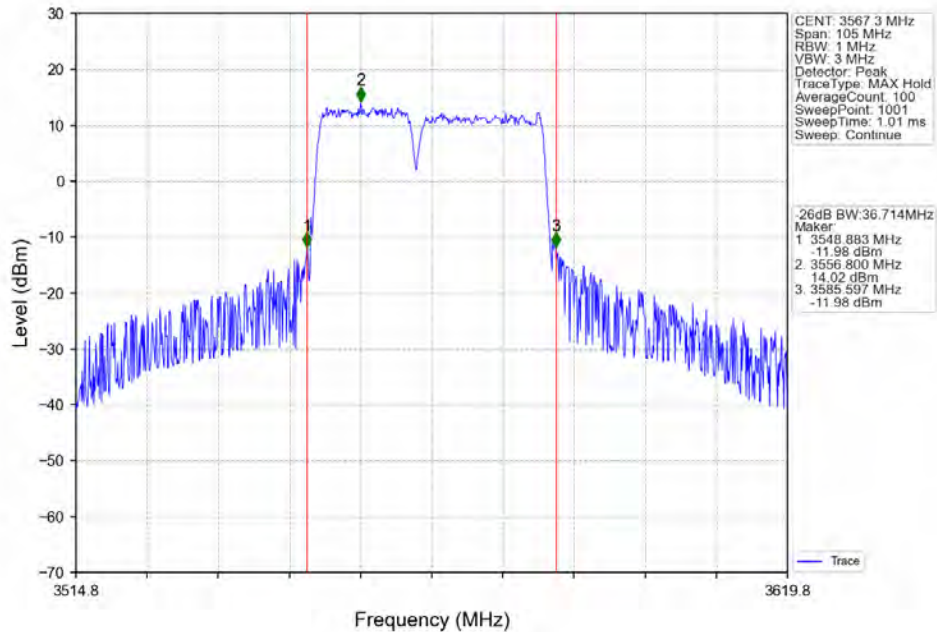
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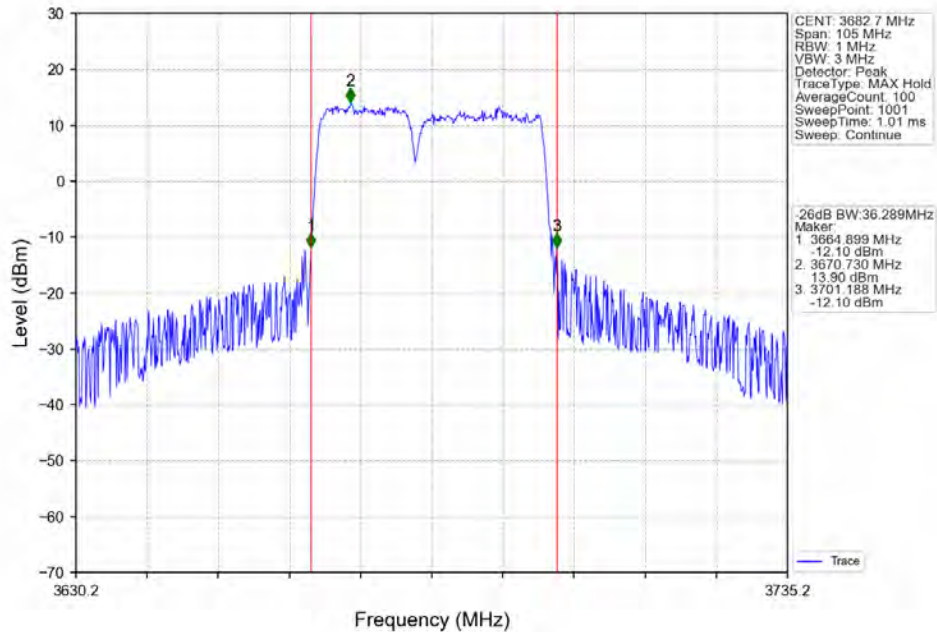
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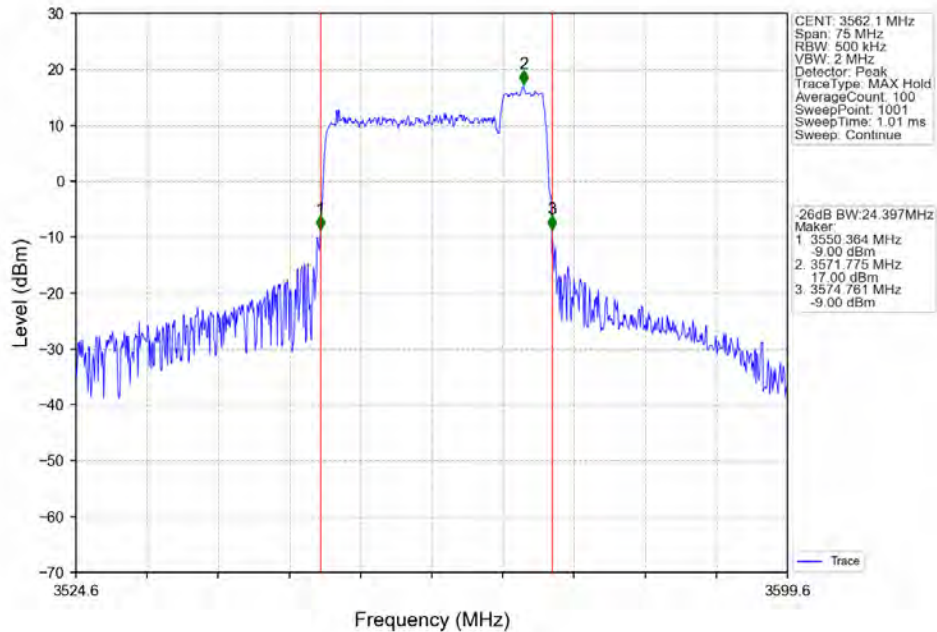
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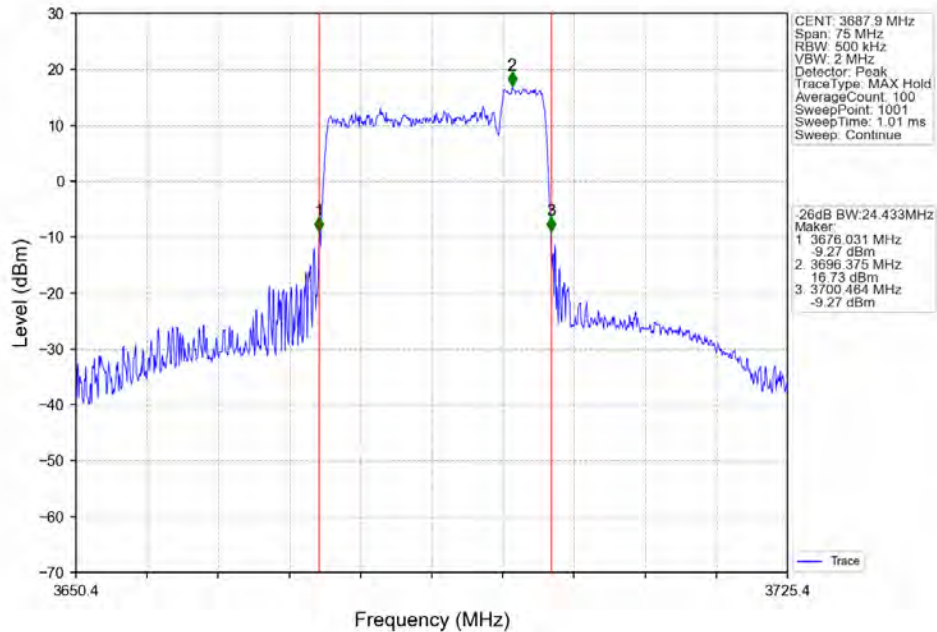
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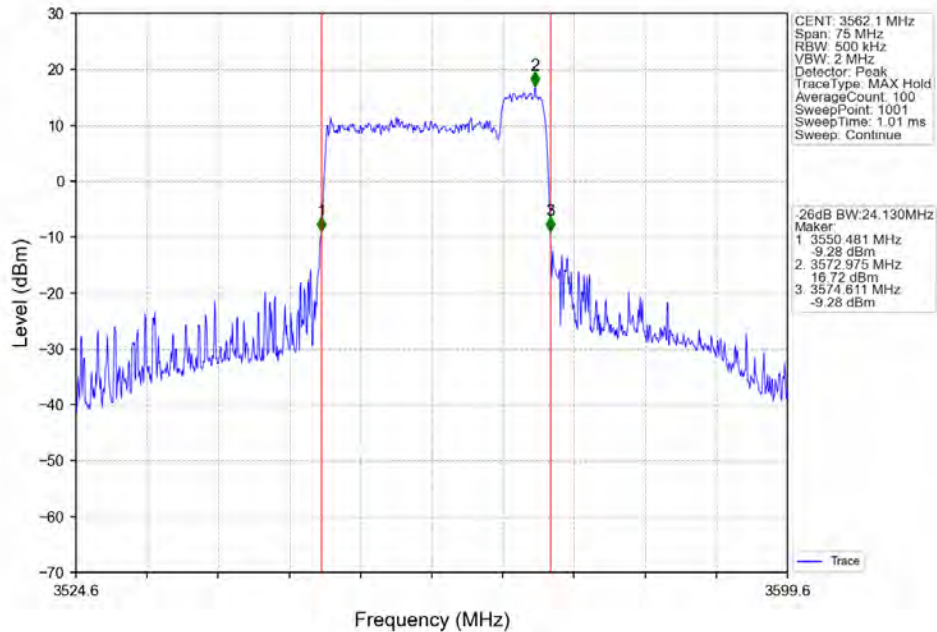
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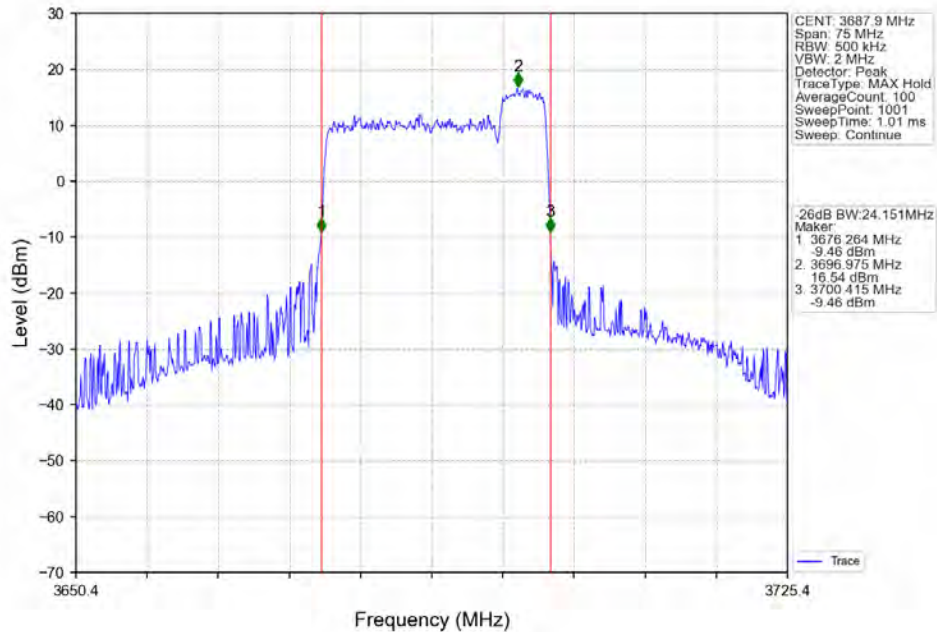
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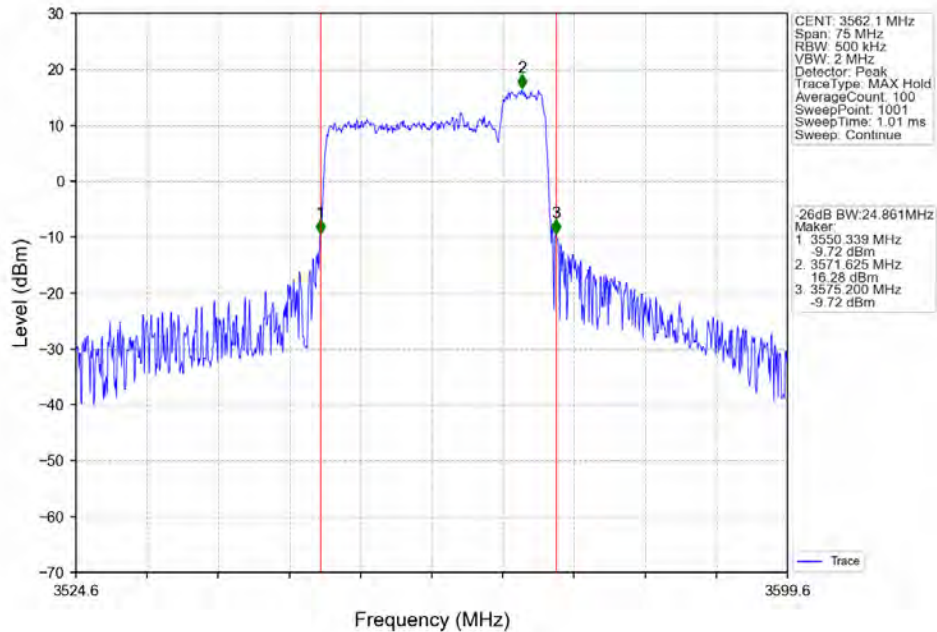
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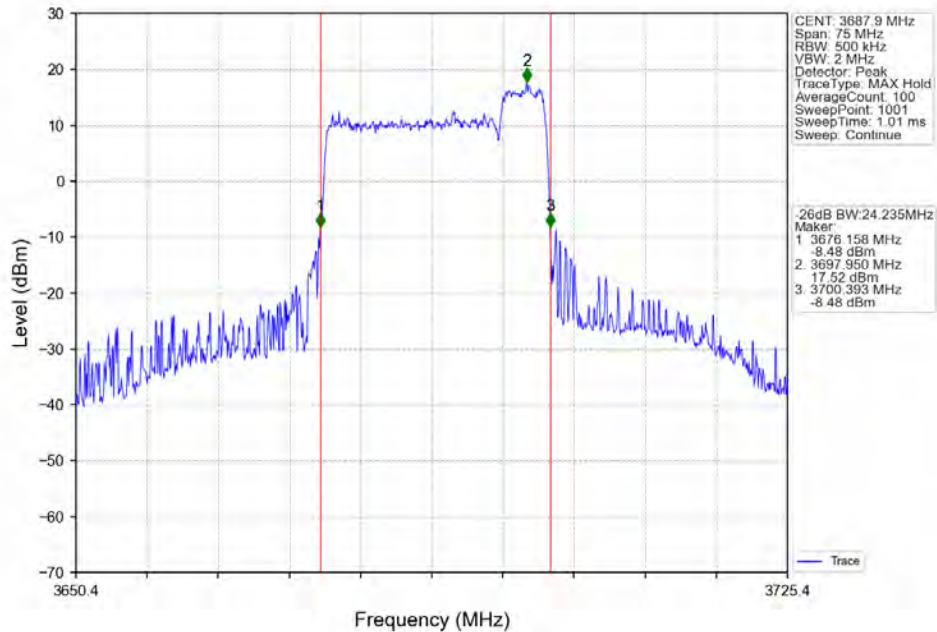
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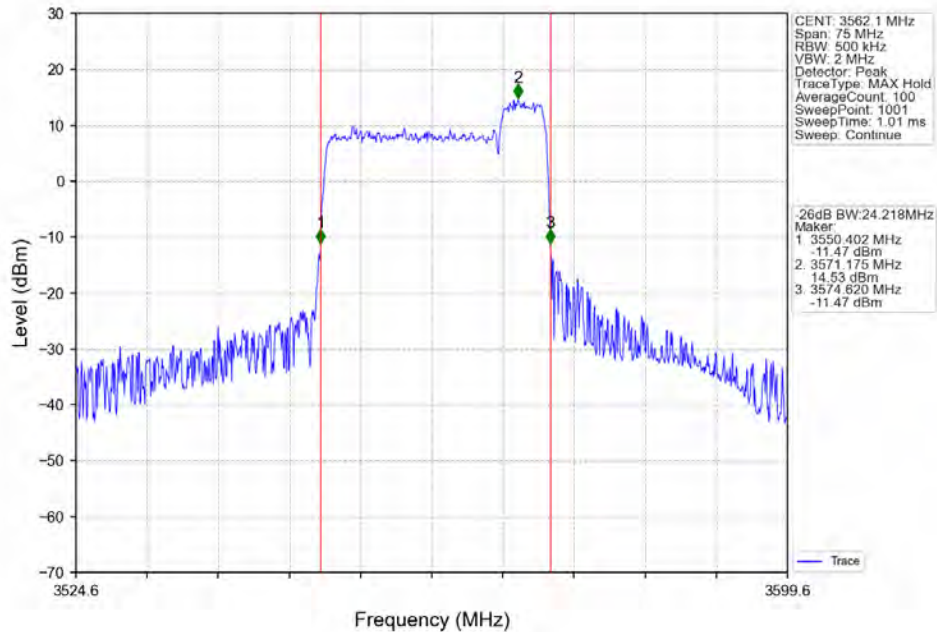
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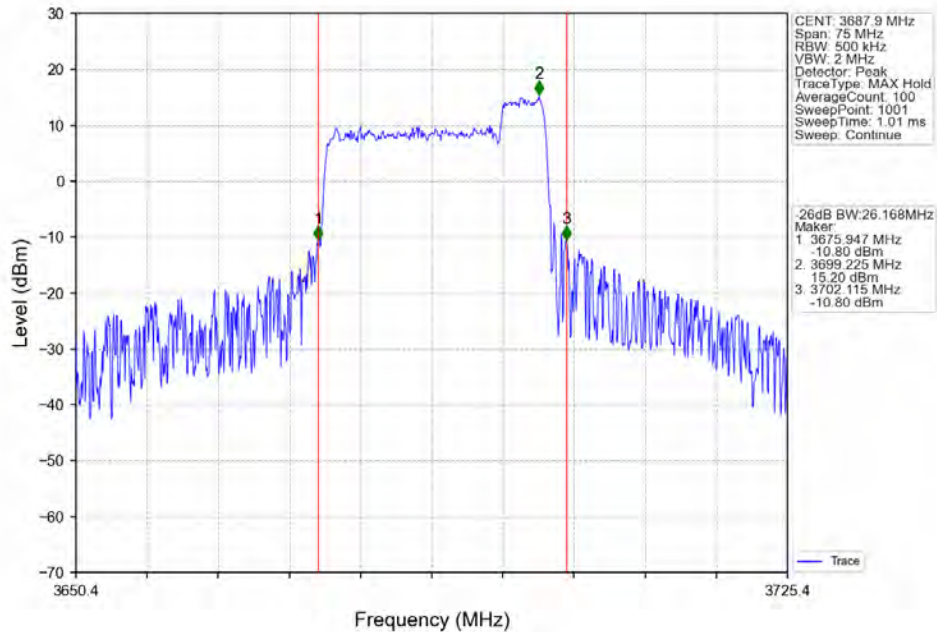
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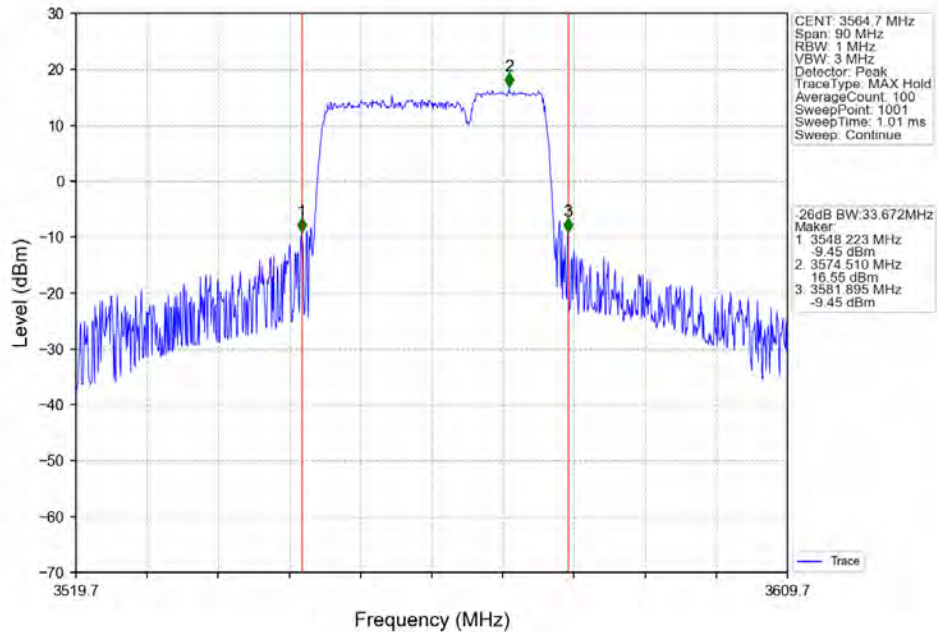
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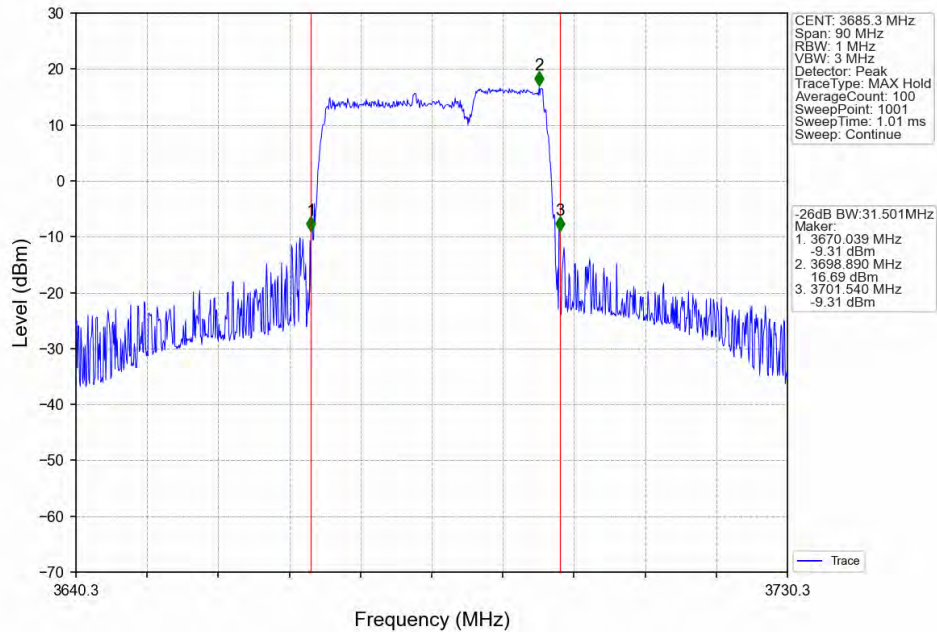
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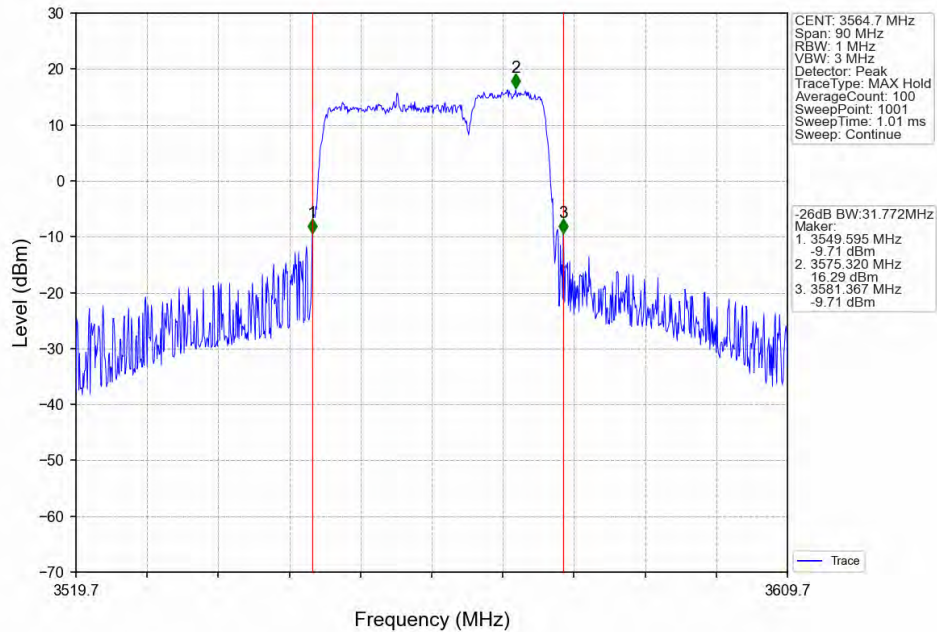
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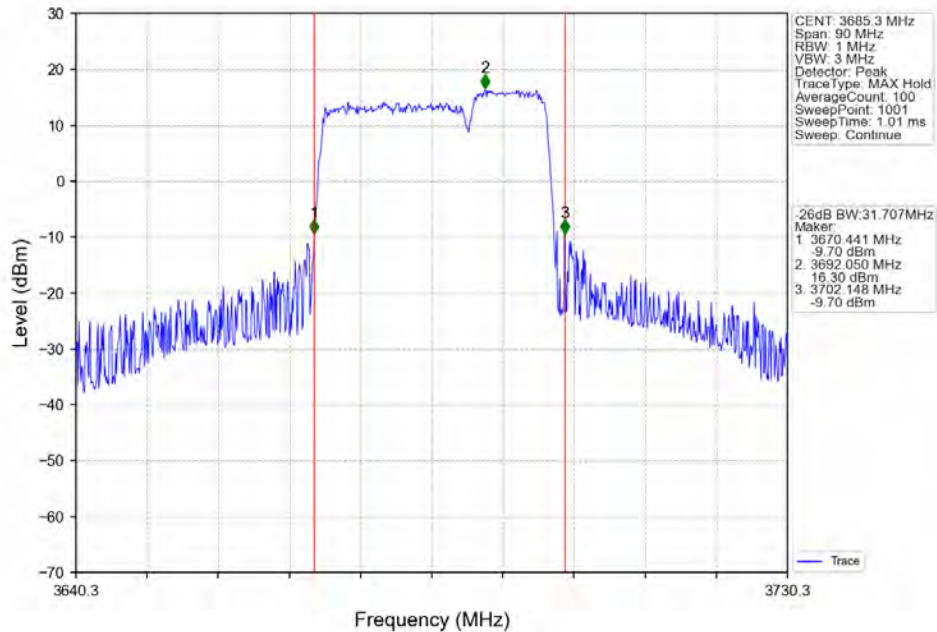
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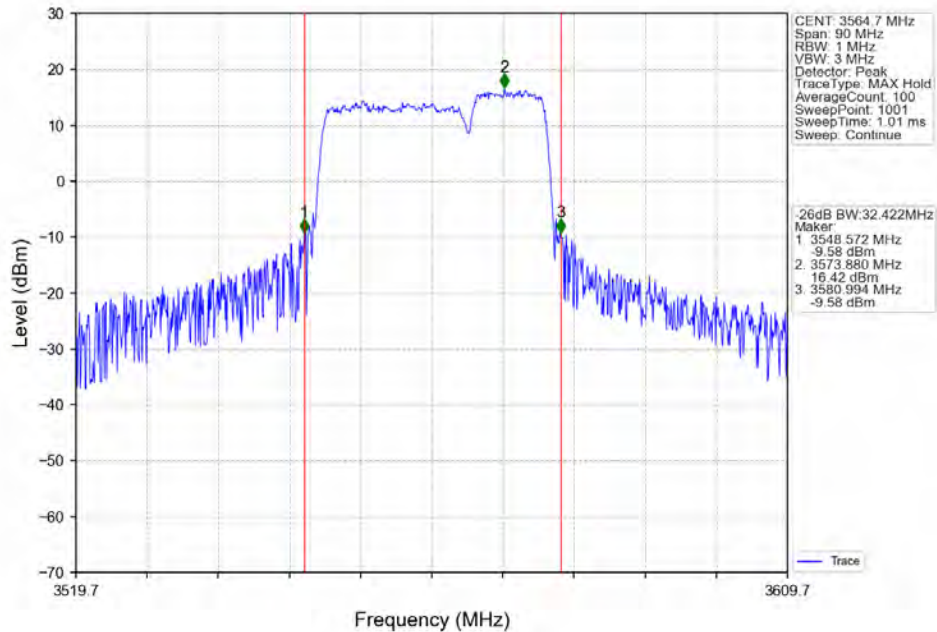
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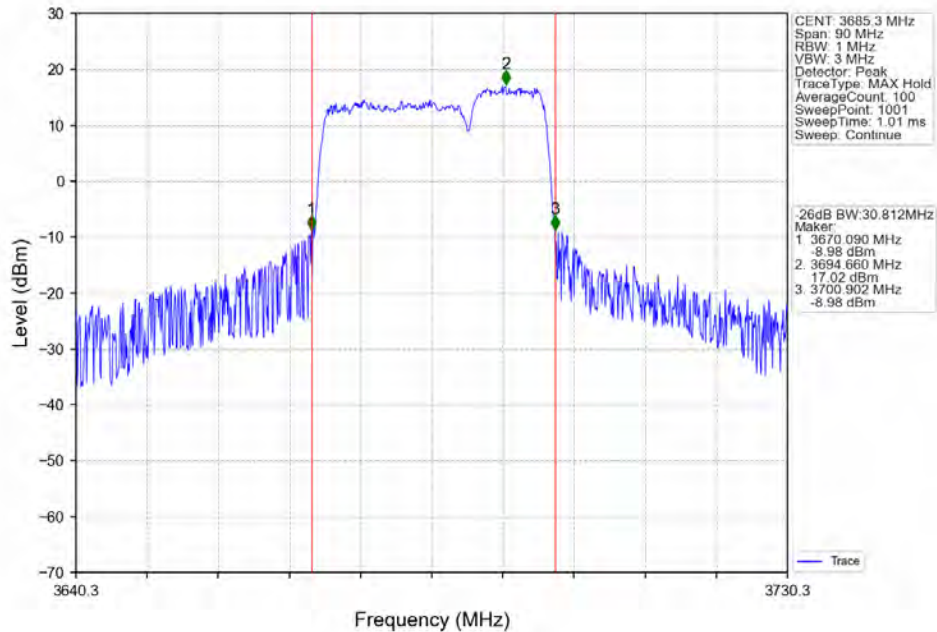
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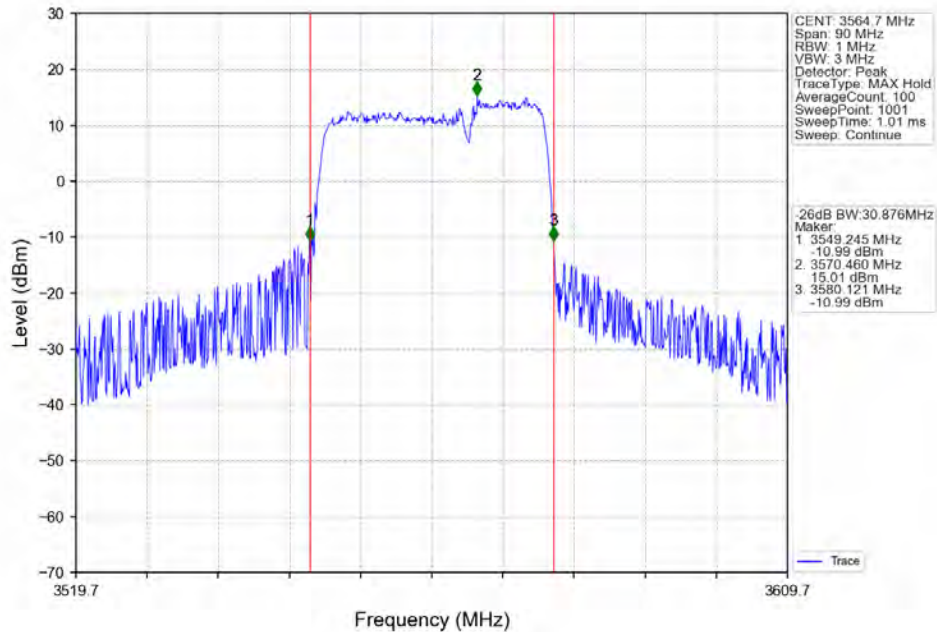
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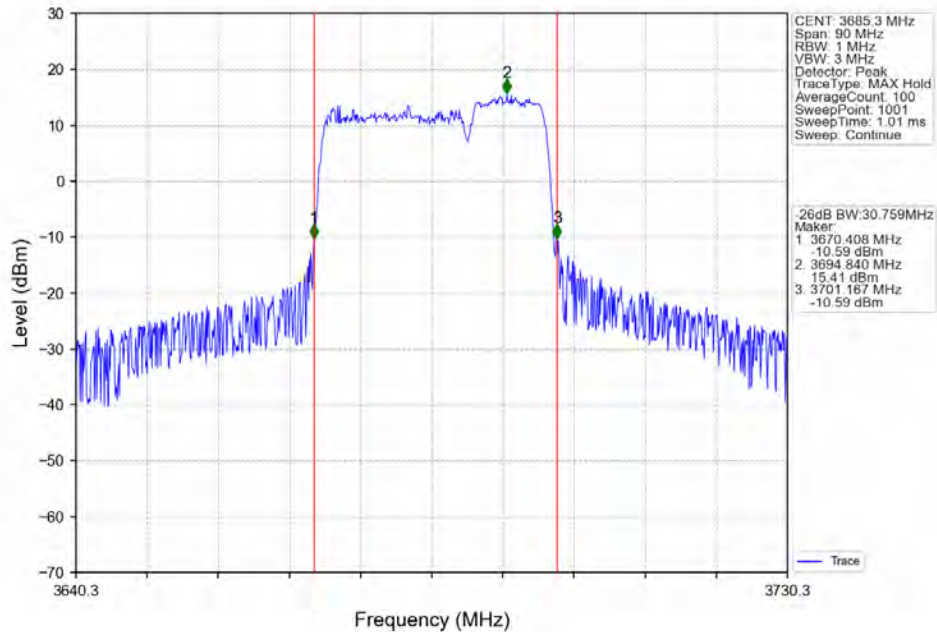
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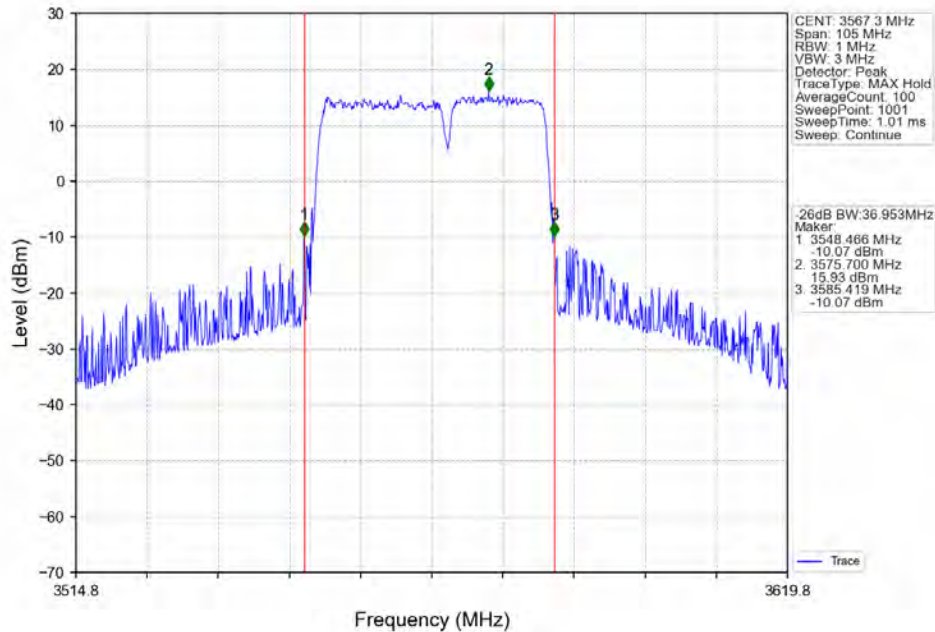
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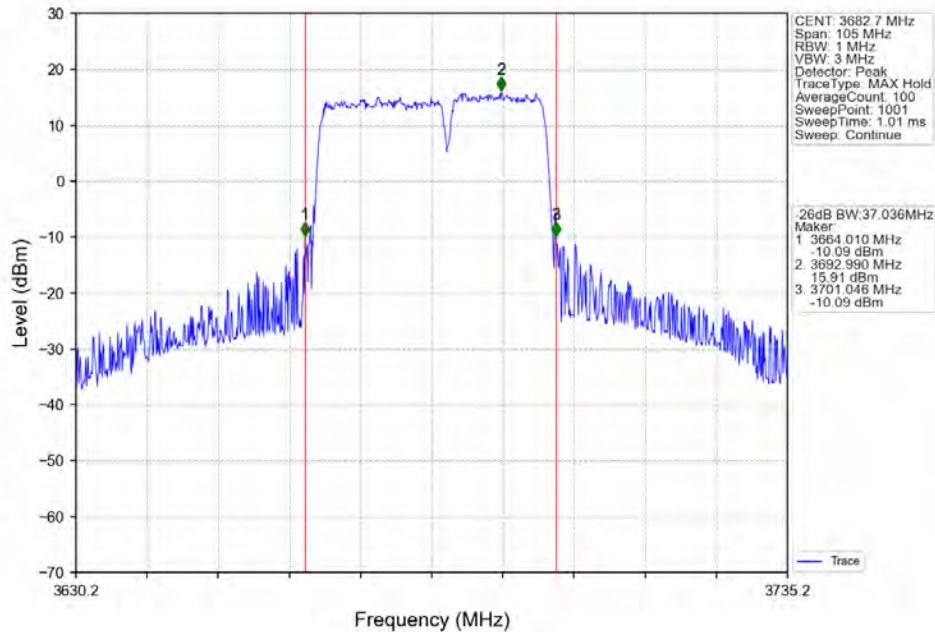
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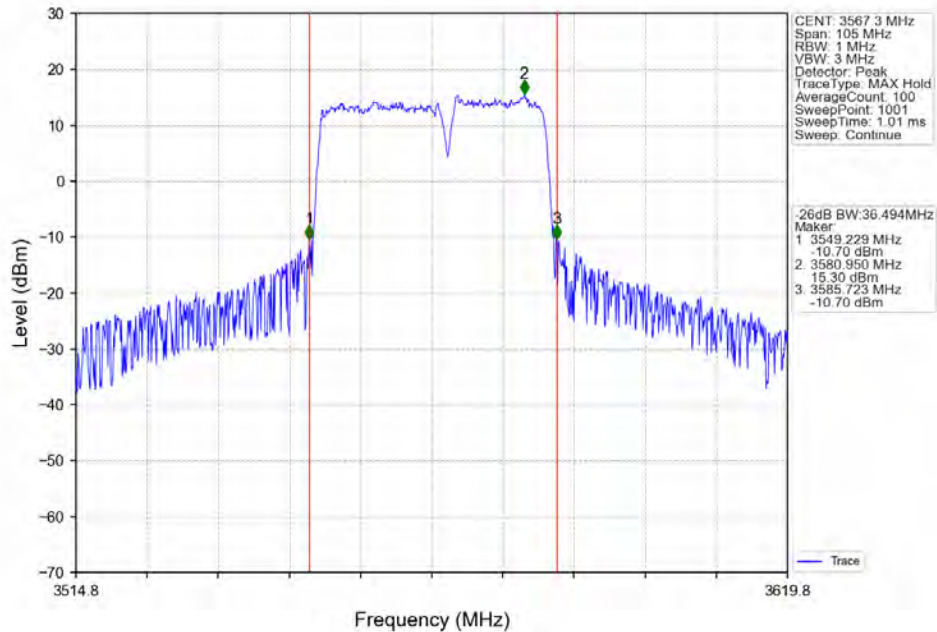
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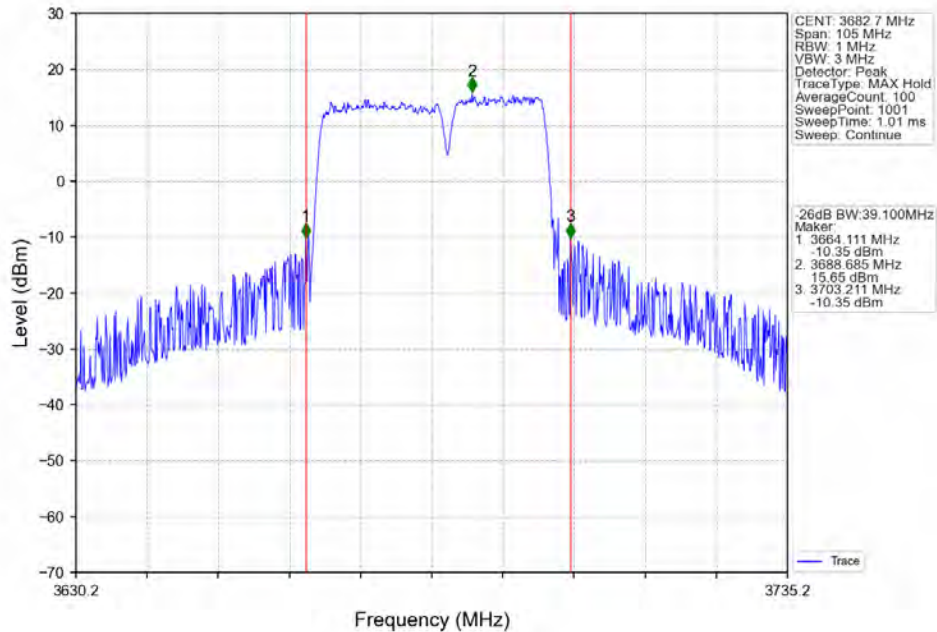
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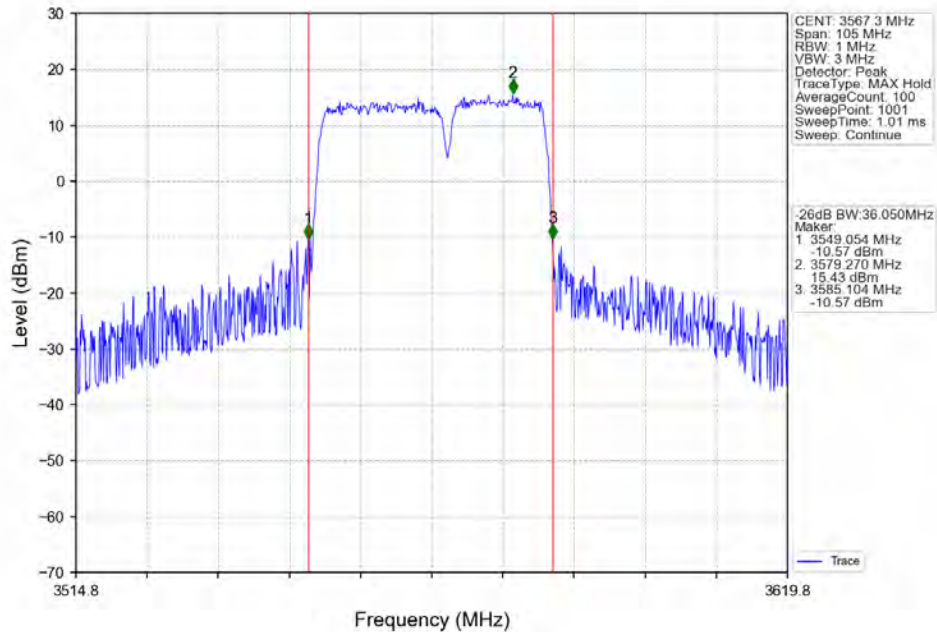
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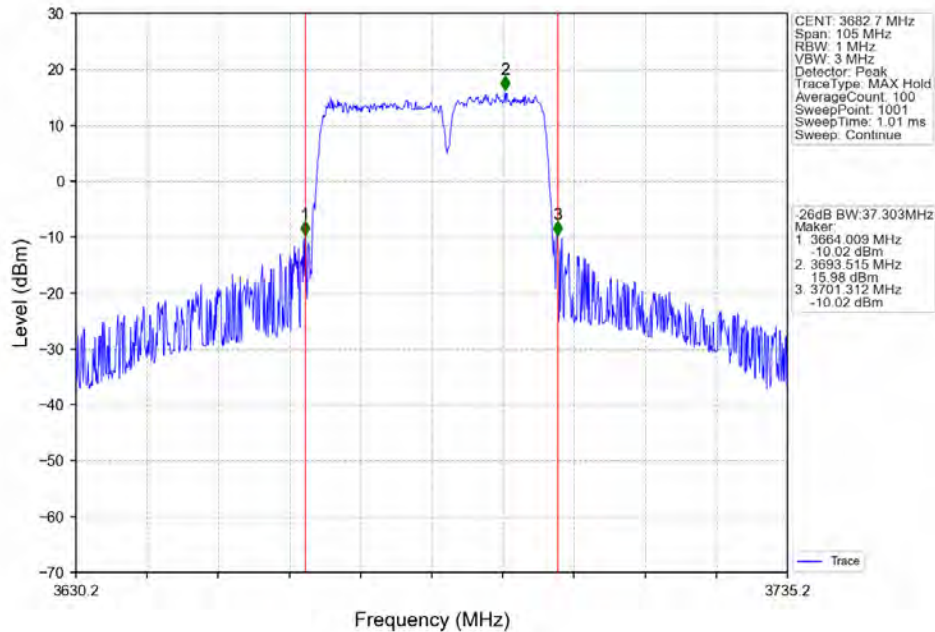
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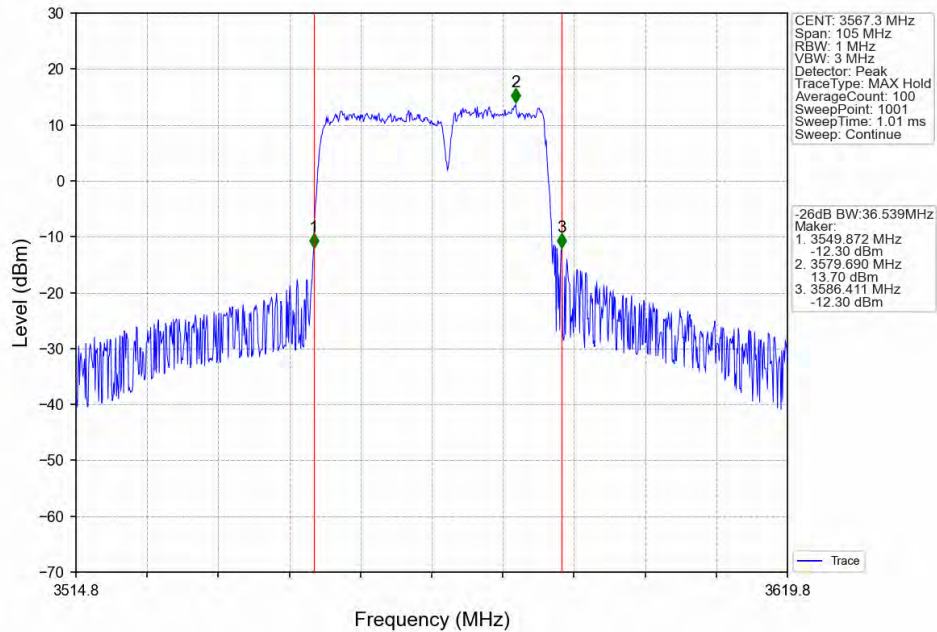
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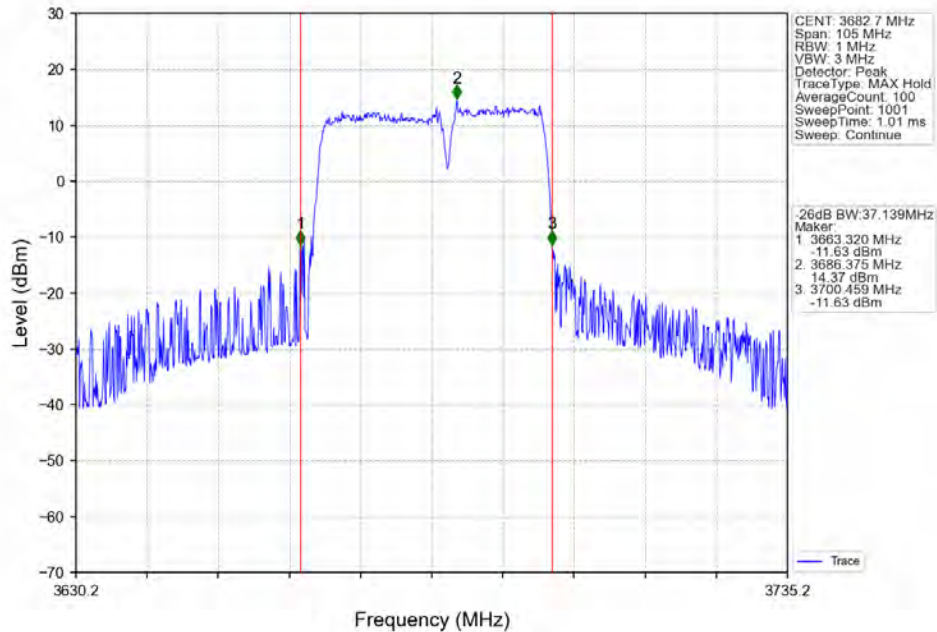
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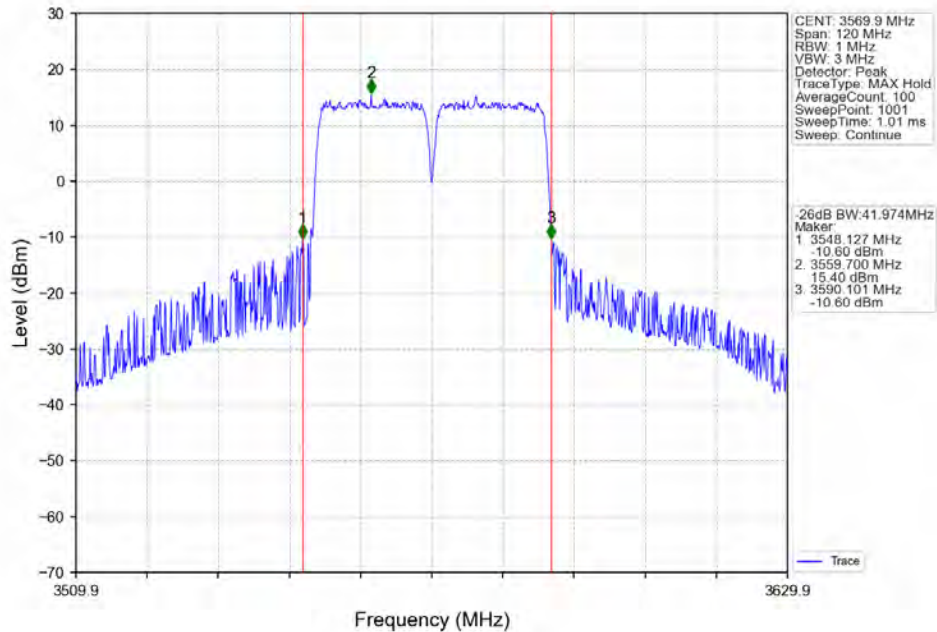
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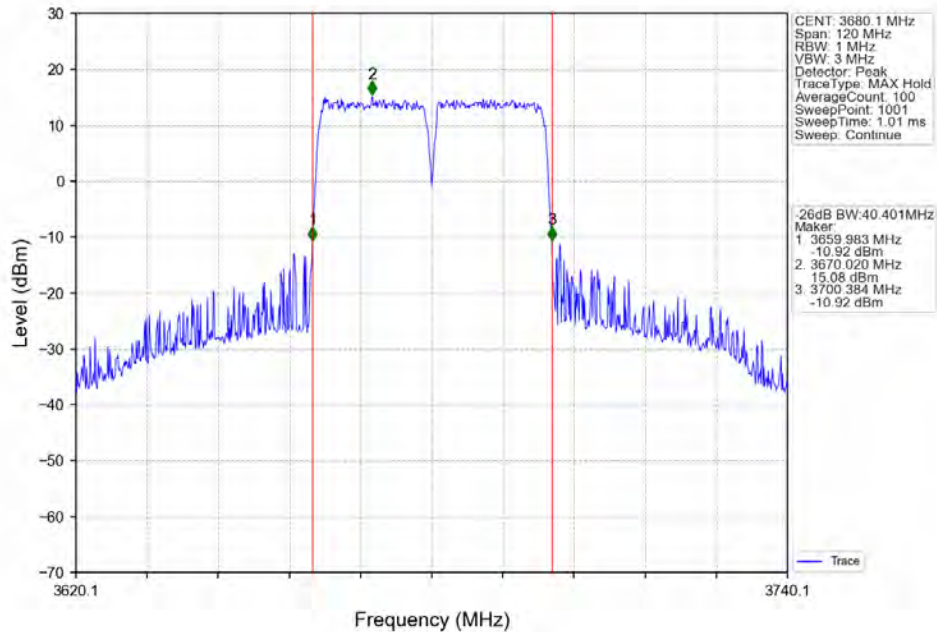
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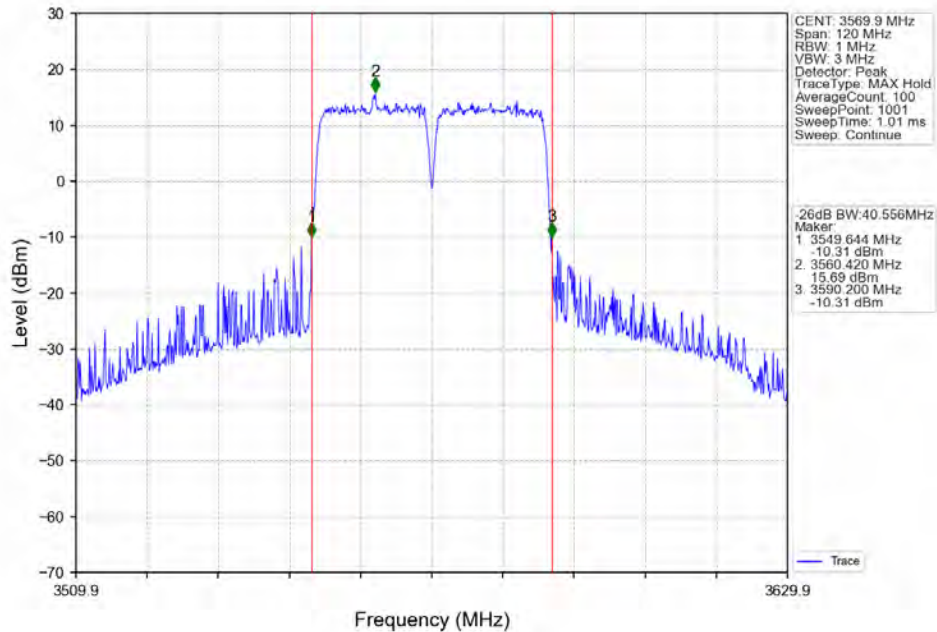
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