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Appendix B.15

LTE Band 42(3450-3550)



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1. Effective (Isotropic) Radiated Power Output Data Test Result ANT1

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band42	5MHz	QPSK	42140	1RB#0	26.66	24.65	30	PASS
Band42	5MHz	QPSK	42140	1RB#24	26.58	24.57	30	PASS
Band42	5MHz	QPSK	42140	1RB#49	26.52	24.51	30	PASS
Band42	5MHz	QPSK	42140	50RB#0	25.63	23.62	30	PASS
Band42	5MHz	QPSK	42590	1RB#0	26.54	24.53	30	PASS
Band42	5MHz	QPSK	42590	1RB#24	26.59	24.58	30	PASS
Band42	5MHz	QPSK	42590	1RB#49	26.5	24.49	30	PASS
Band42	5MHz	QPSK	42590	50RB#0	25.7	23.69	30	PASS
Band42	5MHz	QPSK	43040	1RB#0	26.6	24.59	30	PASS
Band42	5MHz	QPSK	43040	1RB#24	26.76	24.75	30	PASS
Band42	5MHz	QPSK	43040	1RB#49	26.64	24.63	30	PASS
Band42	5MHz	QPSK	43040	50RB#0	25.51	23.5	30	PASS
Band42	5MHz	16QAM	42140	1RB#0	25.78	23.77	30	PASS
Band42	5MHz	16QAM	42140	1RB#24	25.97	23.96	30	PASS
Band42	5MHz	16QAM	42140	1RB#49	25.92	23.91	30	PASS
Band42	5MHz	16QAM	42140	50RB#0	24.68	22.67	30	PASS
Band42	5MHz	16QAM	42590	1RB#0	25.66	23.65	30	PASS
Band42	5MHz	16QAM	42590	1RB#24	25.63	23.62	30	PASS
Band42	5MHz	16QAM	42590	1RB#49	25.59	23.58	30	PASS
Band42	5MHz	16QAM	42590	50RB#0	24.84	22.83	30	PASS
Band42	5MHz	16QAM	43040	1RB#0	25.76	23.75	30	PASS
Band42	5MHz	16QAM	43040	1RB#24	25.77	23.76	30	PASS
Band42	5MHz	16QAM	43040	1RB#49	25.94	23.93	30	PASS
Band42	5MHz	16QAM	43040	50RB#0	24.74	22.73	30	PASS
Band42	5MHz	64QAM	42140	1RB#0	25.11	23.1	30	PASS



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Band42	5MHz	64QAM	42140	1RB#24	25.02	23.01	30	PASS
Band42	5MHz	64QAM	42140	1RB#49	24.99	22.98	30	PASS
Band42	5MHz	64QAM	42140	50RB#0	23.7	21.69	30	PASS
Band42	5MHz	64QAM	42590	1RB#0	24.8	22.79	30	PASS
Band42	5MHz	64QAM	42590	1RB#24	25.02	23.01	30	PASS
Band42	5MHz	64QAM	42590	1RB#49	24.89	22.88	30	PASS
Band42	5MHz	64QAM	42590	50RB#0	23.5	21.49	30	PASS
Band42	5MHz	64QAM	43040	1RB#0	24.92	22.91	30	PASS
Band42	5MHz	64QAM	43040	1RB#24	25.08	23.07	30	PASS
Band42	5MHz	64QAM	43040	1RB#49	25.1	23.09	30	PASS
Band42	5MHz	64QAM	43040	50RB#0	23.69	21.68	30	PASS
Band42	5MHz	256QAM	42140	1RB#0	21.74	19.73	30	PASS
Band42	5MHz	256QAM	42140	1RB#24	21.89	19.88	30	PASS
Band42	5MHz	256QAM	42140	1RB#49	21.72	19.71	30	PASS
Band42	5MHz	256QAM	42140	50RB#0	21.79	19.78	30	PASS
Band42	5MHz	256QAM	42590	1RB#0	21.66	19.65	30	PASS
Band42	5MHz	256QAM	42590	1RB#24	21.82	19.81	30	PASS
Band42	5MHz	256QAM	42590	1RB#49	21.69	19.68	30	PASS
Band42	5MHz	256QAM	42590	50RB#0	21.68	19.67	30	PASS
Band42	5MHz	256QAM	43040	1RB#0	21.52	19.51	30	PASS
Band42	5MHz	256QAM	43040	1RB#24	21.91	19.9	30	PASS
Band42	5MHz	256QAM	43040	1RB#49	21.96	19.95	30	PASS
Band42	5MHz	256QAM	43040	50RB#0	21.9	19.89	30	PASS
Band42	10MHz	QPSK	42140	1RB#0	26.88	24.87	30	PASS
Band42	10MHz	QPSK	42140	1RB#24	26.95	24.94	30	PASS
Band42	10MHz	QPSK	42140	1RB#49	26.89	24.88	30	PASS
Band42	10MHz	QPSK	42140	50RB#0	25.97	23.96	30	PASS
Band42	10MHz	QPSK	42590	1RB#0	26.85	24.84	30	PASS
Band42	10MHz	QPSK	42590	1RB#24	26.67	24.66	30	PASS



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Band42	10MHz	QPSK	42590	1RB#49	26.73	24.72	30	PASS
Band42	10MHz	QPSK	42590	50RB#0	25.88	23.87	30	PASS
Band42	10MHz	QPSK	43040	1RB#0	26.89	24.88	30	PASS
Band42	10MHz	QPSK	43040	1RB#24	27.00	24.99	30	PASS
Band42	10MHz	QPSK	43040	1RB#49	26.83	24.82	30	PASS
Band42	10MHz	QPSK	43040	50RB#0	25.87	23.86	30	PASS
Band42	10MHz	16QAM	42140	1RB#0	26.04	24.03	30	PASS
Band42	10MHz	16QAM	42140	1RB#24	26.13	24.12	30	PASS
Band42	10MHz	16QAM	42140	1RB#49	26.01	24	30	PASS
Band42	10MHz	16QAM	42140	50RB#0	24.96	22.95	30	PASS
Band42	10MHz	16QAM	42590	1RB#0	25.94	23.93	30	PASS
Band42	10MHz	16QAM	42590	1RB#24	25.92	23.91	30	PASS
Band42	10MHz	16QAM	42590	1RB#49	25.78	23.77	30	PASS
Band42	10MHz	16QAM	42590	50RB#0	24.86	22.85	30	PASS
Band42	10MHz	16QAM	43040	1RB#0	25.98	23.97	30	PASS
Band42	10MHz	16QAM	43040	1RB#24	26.06	24.05	30	PASS
Band42	10MHz	16QAM	43040	1RB#49	26.05	24.04	30	PASS
Band42	10MHz	16QAM	43040	50RB#0	24.96	22.95	30	PASS
Band42	10MHz	64QAM	42140	1RB#0	25.30	23.29	30	PASS
Band42	10MHz	64QAM	42140	1RB#24	25.26	23.25	30	PASS
Band42	10MHz	64QAM	42140	1RB#49	25.32	23.31	30	PASS
Band42	10MHz	64QAM	42140	50RB#0	24.00	21.99	30	PASS
Band42	10MHz	64QAM	42590	1RB#0	25.10	23.09	30	PASS
Band42	10MHz	64QAM	42590	1RB#24	25.18	23.17	30	PASS
Band42	10MHz	64QAM	42590	1RB#49	25.06	23.05	30	PASS
Band42	10MHz	64QAM	42590	50RB#0	23.87	21.86	30	PASS
Band42	10MHz	64QAM	43040	1RB#0	25.15	23.14	30	PASS
Band42	10MHz	64QAM	43040	1RB#24	25.35	23.34	30	PASS
Band42	10MHz	64QAM	43040	1RB#49	25.31	23.3	30	PASS



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Band42	10MHz	64QAM	43040	50RB#0	23.92	21.91	30	PASS
Band42	10MHz	256QAM	42140	1RB#0	22.00	19.99	30	PASS
Band42	10MHz	256QAM	42140	1RB#24	22.12	20.11	30	PASS
Band42	10MHz	256QAM	42140	1RB#49	22.07	20.06	30	PASS
Band42	10MHz	256QAM	42140	50RB#0	22.00	19.99	30	PASS
Band42	10MHz	256QAM	42590	1RB#0	21.91	19.9	30	PASS
Band42	10MHz	256QAM	42590	1RB#24	21.94	19.93	30	PASS
Band42	10MHz	256QAM	42590	1RB#49	21.81	19.8	30	PASS
Band42	10MHz	256QAM	42590	50RB#0	21.87	19.86	30	PASS
Band42	10MHz	256QAM	43040	1RB#0	21.92	19.91	30	PASS
Band42	10MHz	256QAM	43040	1RB#24	22.09	20.08	30	PASS
Band42	10MHz	256QAM	43040	1RB#49	22.15	20.14	30	PASS
Band42	10MHz	256QAM	43040	50RB#0	21.96	19.95	30	PASS
Band42	15MHz	QPSK	42165	1RB#0	26.84	24.83	30	PASS
Band42	15MHz	QPSK	42165	1RB#38	26.90	24.89	30	PASS
Band42	15MHz	QPSK	42165	1RB#74	26.85	24.84	30	PASS
Band42	15MHz	QPSK	42165	75RB#0	25.96	23.95	30	PASS
Band42	15MHz	QPSK	42590	1RB#0	26.74	24.73	30	PASS
Band42	15MHz	QPSK	42590	1RB#38	26.73	24.72	30	PASS
Band42	15MHz	QPSK	42590	1RB#74	26.73	24.72	30	PASS
Band42	15MHz	QPSK	42590	75RB#0	25.77	23.76	30	PASS
Band42	15MHz	QPSK	43015	1RB#0	26.98	24.97	30	PASS
Band42	15MHz	QPSK	43015	1RB#38	26.88	24.87	30	PASS
Band42	15MHz	QPSK	43015	1RB#74	26.93	24.92	30	PASS
Band42	15MHz	QPSK	43015	75RB#0	25.96	23.95	30	PASS
Band42	15MHz	16QAM	42165	1RB#0	26.01	24	30	PASS
Band42	15MHz	16QAM	42165	1RB#38	26.03	24.02	30	PASS
Band42	15MHz	16QAM	42165	1RB#74	26.02	24.01	30	PASS
Band42	15MHz	16QAM	42165	75RB#0	24.97	22.96	30	PASS



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Band42	15MHz	16QAM	42590	1RB#38	25.94	23.93	30	PASS
Band42	15MHz	16QAM	42590	1RB#74	25.80	23.79	30	PASS
Band42	15MHz	16QAM	42590	75RB#0	24.83	22.82	30	PASS
Band42	15MHz	16QAM	43015	1RB#0	26.06	24.05	30	PASS
Band42	15MHz	16QAM	43015	1RB#38	26.08	24.07	30	PASS
Band42	15MHz	16QAM	43015	1RB#74	25.96	23.95	30	PASS
Band42	15MHz	16QAM	43015	75RB#0	24.99	22.98	30	PASS
Band42	15MHz	64QAM	42165	1RB#0	25.23	23.22	30	PASS
Band42	15MHz	64QAM	42165	1RB#38	25.33	23.32	30	PASS
Band42	15MHz	64QAM	42165	1RB#74	25.17	23.16	30	PASS
Band42	15MHz	64QAM	42165	75RB#0	23.98	21.97	30	PASS
Band42	15MHz	64QAM	42590	1RB#0	25.20	23.19	30	PASS
Band42	15MHz	64QAM	42590	1RB#38	25.11	23.1	30	PASS
Band42	15MHz	64QAM	42590	1RB#74	25.06	23.05	30	PASS
Band42	15MHz	64QAM	42590	75RB#0	23.78	21.77	30	PASS
Band42	15MHz	64QAM	43015	1RB#0	25.29	23.28	30	PASS
Band42	15MHz	64QAM	43015	1RB#38	25.30	23.29	30	PASS
Band42	15MHz	64QAM	43015	1RB#74	25.18	23.17	30	PASS
Band42	15MHz	64QAM	43015	75RB#0	23.97	21.96	30	PASS
Band42	15MHz	256QAM	42165	1RB#0	21.98	19.97	30	PASS
Band42	15MHz	256QAM	42165	1RB#38	22.04	20.03	30	PASS
Band42	15MHz	256QAM	42165	1RB#74	22.03	20.02	30	PASS
Band42	15MHz	256QAM	42165	75RB#0	22.00	19.99	30	PASS
Band42	15MHz	256QAM	42590	1RB#0	21.95	19.94	30	PASS
Band42	15MHz	256QAM	42590	1RB#38	21.89	19.88	30	PASS
Band42	15MHz	256QAM	42590	1RB#74	21.84	19.83	30	PASS
Band42	15MHz	256QAM	42590	75RB#0	21.82	19.81	30	PASS
Band42	15MHz	256QAM	43015	1RB#0	22.00	19.99	30	PASS



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Band42	15MHz	256QAM	43015	1RB#74	21.98	19.97	30	PASS
Band42	15MHz	256QAM	43015	75RB#0	21.98	19.97	30	PASS
Band42	20MHz	QPSK	42190	1RB#0	26.83	24.82	30	PASS
Band42	20MHz	QPSK	42190	1RB#49	26.92	24.91	30	PASS
Band42	20MHz	QPSK	42190	1RB#99	26.87	24.86	30	PASS
Band42	20MHz	QPSK	42190	100RB#0	25.96	23.95	30	PASS
Band42	20MHz	QPSK	42590	1RB#0	26.85	24.84	30	PASS
Band42	20MHz	QPSK	42590	1RB#49	26.71	24.7	30	PASS
Band42	20MHz	QPSK	42590	1RB#99	26.76	24.75	30	PASS
Band42	20MHz	QPSK	42590	100RB#0	25.79	23.78	30	PASS
Band42	20MHz	QPSK	42990	1RB#0	26.84	24.83	30	PASS
Band42	20MHz	QPSK	42990	1RB#49	26.92	24.91	30	PASS
Band42	20MHz	QPSK	42990	1RB#99	26.86	24.85	30	PASS
Band42	20MHz	QPSK	42990	100RB#0	25.89	23.88	30	PASS
Band42	20MHz	16QAM	42190	1RB#0	26.00	23.99	30	PASS
Band42	20MHz	16QAM	42190	1RB#49	26.06	24.05	30	PASS
Band42	20MHz	16QAM	42190	1RB#99	26.08	24.07	30	PASS
Band42	20MHz	16QAM	42190	100RB#0	24.99	22.98	30	PASS
Band42	20MHz	16QAM	42590	1RB#0	26.05	24.04	30	PASS
Band42	20MHz	16QAM	42590	1RB#49	25.87	23.86	30	PASS
Band42	20MHz	16QAM	42590	1RB#99	25.82	23.81	30	PASS
Band42	20MHz	16QAM	42590	100RB#0	24.78	22.77	30	PASS
Band42	20MHz	16QAM	42990	1RB#0	26.00	23.99	30	PASS
Band42	20MHz	16QAM	42990	1RB#49	26.02	24.01	30	PASS
Band42	20MHz	16QAM	42990	1RB#99	25.96	23.95	30	PASS
Band42	20MHz	16QAM	42990	100RB#0	24.91	22.9	30	PASS
Band42	20MHz	64QAM	42190	1RB#0	25.15	23.14	30	PASS
Band42	20MHz	64QAM	42190	1RB#49	25.35	23.34	30	PASS



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Band42	20MHz	64QAM	42190	1RB#99	25.35	23.34	30	PASS
Band42	20MHz	64QAM	42190	100RB#0	23.97	21.96	30	PASS
Band42	20MHz	64QAM	42590	1RB#0	25.03	23.02	30	PASS
Band42	20MHz	64QAM	42590	1RB#49	25.22	23.21	30	PASS
Band42	20MHz	64QAM	42590	1RB#99	24.96	22.95	30	PASS
Band42	20MHz	64QAM	42590	100RB#0	23.79	21.78	30	PASS
Band42	20MHz	64QAM	42990	1RB#0	25.21	23.2	30	PASS
Band42	20MHz	64QAM	42990	1RB#49	25.22	23.21	30	PASS
Band42	20MHz	64QAM	42990	1RB#99	25.22	23.21	30	PASS
Band42	20MHz	64QAM	42990	100RB#0	23.93	21.92	30	PASS
Band42	20MHz	256QAM	42190	1RB#0	21.88	19.87	30	PASS
Band42	20MHz	256QAM	42190	1RB#49	22.18	20.17	30	PASS
Band42	20MHz	256QAM	42190	1RB#99	22.10	20.09	30	PASS
Band42	20MHz	256QAM	42190	100RB#0	21.99	19.98	30	PASS
Band42	20MHz	256QAM	42590	1RB#0	21.91	19.9	30	PASS
Band42	20MHz	256QAM	42590	1RB#49	22.00	19.99	30	PASS
Band42	20MHz	256QAM	42590	1RB#99	21.89	19.88	30	PASS
Band42	20MHz	256QAM	42590	100RB#0	21.79	19.78	30	PASS
Band42	20MHz	256QAM	42990	1RB#0	21.93	19.92	30	PASS
Band42	20MHz	256QAM	42990	1RB#49	21.86	19.85	30	PASS
Band42	20MHz	256QAM	42990	1RB#99	21.92	19.91	30	PASS
Band42	20MHz	256QAM	42990	100RB#0	21.96	19.95	30	PASS



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2. Frequency Stability

2.1 B42a_5MHz

2.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.3	4.900	0.0014	/	Pass
					3.8	5.300	0.0015	/	Pass
					4.4	8.000	0.0023	/	Pass
				-30	3.8	4.800	0.0014	/	Pass
				-20	3.8	5.600	0.0016	/	Pass
				-10	3.8	5.700	0.0017	/	Pass
				0	3.8	3.800	0.0011	/	Pass
				10	3.8	7.700	0.0022	/	Pass
				30	3.8	7.700	0.0022	/	Pass
				40	3.8	6.200	0.0018	/	Pass
				50	3.8	8.500	0.0025	/	Pass
	3500	25	0	20	3.3	1.400	0.0004	/	Pass
					3.8	1.600	0.0005	/	Pass
					4.4	0.800	0.0002	/	Pass
				-30	3.8	-0.200	-0.0001	/	Pass
				-20	3.8	-1.200	-0.0003	/	Pass
				-10	3.8	1.000	0.0003	/	Pass
				0	3.8	1.000	0.0003	/	Pass
				10	3.8	-1.200	-0.0003	/	Pass
				30	3.8	0.100	0.0000	/	Pass
				40	3.8	-0.700	-0.0002	/	Pass
				50	3.8	-1.000	-0.0003	/	Pass
	3547.5	25	0	20	3.3	5.000	0.0014	/	Pass
					3.8	3.300	0.0009	/	Pass
					4.4	2.600	0.0007	/	Pass
				-30	3.8	2.700	0.0008	/	Pass
				-20	3.8	3.400	0.0010	/	Pass
				-10	3.8	3.400	0.0010	/	Pass
				0	3.8	3.400	0.0010	/	Pass
				10	3.8	4.900	0.0014	/	Pass
				30	3.8	2.200	0.0006	/	Pass
				40	3.8	5.000	0.0014	/	Pass
				50	3.8	7.000	0.0020	/	Pass
16QAM	3452.5	25	0	20	3.3	2.400	0.0007	/	Pass
					3.8	6.500	0.0019	/	Pass
					4.4	6.700	0.0019	/	Pass
				-30	3.8	6.300	0.0018	/	Pass
				-20	3.8	5.200	0.0015	/	Pass
				-10	3.8	3.300	0.0010	/	Pass
				0	3.8	5.300	0.0015	/	Pass



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64QAM	3500	25	0	10	3.8	5.000	0.0014	/	Pass
				30	3.8	4.500	0.0013	/	Pass
				40	3.8	2.800	0.0008	/	Pass
				50	3.8	4.900	0.0014	/	Pass
				20	3.3	0.400	0.0001	/	Pass
					3.8	-0.700	-0.0002	/	Pass
					4.4	5.300	0.0015	/	Pass
				-30	3.8	9.300	0.0027	/	Pass
				-20	3.8	0.400	0.0001	/	Pass
				-10	3.8	1.900	0.0005	/	Pass
				0	3.8	3.100	0.0009	/	Pass
				10	3.8	2.800	0.0008	/	Pass
				30	3.8	2.900	0.0008	/	Pass
				40	3.8	0.800	0.0002	/	Pass
				50	3.8	2.600	0.0007	/	Pass
	3547.5	25	0	20	3.3	6.400	0.0018	/	Pass
					3.8	0.800	0.0002	/	Pass
					4.4	0.900	0.0003	/	Pass
				-30	3.8	8.100	0.0023	/	Pass
				-20	3.8	2.400	0.0007	/	Pass
				-10	3.8	5.300	0.0015	/	Pass
				0	3.8	6.400	0.0018	/	Pass
				10	3.8	2.500	0.0007	/	Pass
				30	3.8	3.800	0.0011	/	Pass
				40	3.8	0.000	0.0000	/	Pass
				50	3.8	4.500	0.0013	/	Pass
	3452.5	25	0	20	3.3	-45.000	-0.0130	/	Pass
					3.8	-6.600	-0.0019	/	Pass
					4.4	31.600	0.0092	/	Pass
				-30	3.8	33.400	0.0097	/	Pass
				-20	3.8	24.100	0.0070	/	Pass
				-10	3.8	38.300	0.0111	/	Pass
				0	3.8	2.800	0.0008	/	Pass
				10	3.8	-2.100	-0.0006	/	Pass
				30	3.8	-4.200	-0.0012	/	Pass
				40	3.8	6.400	0.0019	/	Pass
				50	3.8	-12.400	-0.0036	/	Pass
	3500	25	0	20	3.3	-8.600	-0.0025	/	Pass
					3.8	-37.300	-0.0107	/	Pass
					4.4	-26.200	-0.0075	/	Pass
				-30	3.8	24.400	0.0070	/	Pass
				-20	3.8	-10.500	-0.0030	/	Pass
				-10	3.8	-27.500	-0.0079	/	Pass
				0	3.8	-12.800	-0.0037	/	Pass
				10	3.8	38.500	0.0110	/	Pass
				30	3.8	-5.400	-0.0015	/	Pass
				40	3.8	23.600	0.0067	/	Pass
				50	3.8	5.100	0.0015	/	Pass
	3547.5	25	0	20	3.3	-1.800	-0.0005	/	Pass



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					3.8	20.500	0.0058	/	Pass
					4.4	-54.000	-0.0152	/	Pass
				-30	3.8	-37.700	-0.0106	/	Pass
				-20	3.8	-15.800	-0.0045	/	Pass
				-10	3.8	-3.900	-0.0011	/	Pass
				0	3.8	26.700	0.0075	/	Pass
				10	3.8	-48.700	-0.0137	/	Pass
				30	3.8	-3.300	-0.0009	/	Pass
				40	3.8	31.000	0.0087	/	Pass
				50	3.8	-27.000	-0.0076	/	Pass
256QAM	3452.5	25	0	20	3.3	8.400	0.0024	/	Pass
					3.8	3.200	0.0009	/	Pass
					4.4	3.500	0.0010	/	Pass
				-30	3.8	1.600	0.0005	/	Pass
				-20	3.8	6.000	0.0017	/	Pass
				-10	3.8	3.700	0.0011	/	Pass
				0	3.8	0.900	0.0003	/	Pass
				10	3.8	3.800	0.0011	/	Pass
				30	3.8	8.500	0.0025	/	Pass
				40	3.8	3.900	0.0011	/	Pass
	50	3.8	4.000	0.0012	/	Pass			
	3500	25	0	20	3.3	1.500	0.0004	/	Pass
					3.8	5.300	0.0015	/	Pass
					4.4	3.400	0.0010	/	Pass
				-30	3.8	1.700	0.0005	/	Pass
				-20	3.8	2.200	0.0006	/	Pass
				-10	3.8	3.500	0.0010	/	Pass
				0	3.8	1.100	0.0003	/	Pass
				10	3.8	1.400	0.0004	/	Pass
				30	3.8	3.500	0.0010	/	Pass
				40	3.8	-1.300	-0.0004	/	Pass
	50	3.8	0.000	0.0000	/	Pass			
	3547.5	25	0	20	3.3	4.100	0.0012	/	Pass
					3.8	4.600	0.0013	/	Pass
					4.4	6.800	0.0019	/	Pass
				-30	3.8	4.200	0.0012	/	Pass
				-20	3.8	4.800	0.0014	/	Pass
				-10	3.8	1.700	0.0005	/	Pass
				0	3.8	3.800	0.0011	/	Pass
				10	3.8	2.900	0.0008	/	Pass
				30	3.8	4.200	0.0012	/	Pass
				40	3.8	5.800	0.0016	/	Pass
	50	3.8	1.300	0.0004	/	Pass			

2.2 B42a_10MHz

2.2.1 Test Result



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Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	3.3	1.100	0.0003	/	Pass
					3.8	1.700	0.0005	/	Pass
					4.4	1.300	0.0004	/	Pass
				-30	3.8	0.900	0.0003	/	Pass
				-20	3.8	0.000	0.0000	/	Pass
				-10	3.8	-2.000	-0.0006	/	Pass
				0	3.8	-1.000	-0.0003	/	Pass
				10	3.8	-0.800	-0.0002	/	Pass
				30	3.8	2.600	0.0008	/	Pass
				40	3.8	0.600	0.0002	/	Pass
	50	3.8	-0.700	-0.0002	/	Pass			
	3500	50	0	20	3.3	-0.100	0.0000	/	Pass
					3.8	-1.900	-0.0005	/	Pass
					4.4	0.500	0.0001	/	Pass
				-30	3.8	3.100	0.0009	/	Pass
				-20	3.8	2.000	0.0006	/	Pass
				-10	3.8	3.000	0.0009	/	Pass
				0	3.8	2.800	0.0008	/	Pass
				10	3.8	0.300	0.0001	/	Pass
				30	3.8	0.800	0.0002	/	Pass
				40	3.8	-1.400	-0.0004	/	Pass
	50	3.8	-0.400	-0.0001	/	Pass			
	3545	50	0	20	3.3	2.000	0.0006	/	Pass
					3.8	-1.300	-0.0004	/	Pass
4.4					0.500	0.0001	/	Pass	
-30				3.8	-1.200	-0.0003	/	Pass	
-20				3.8	0.200	0.0001	/	Pass	
-10				3.8	-0.200	-0.0001	/	Pass	
0				3.8	1.500	0.0004	/	Pass	
10				3.8	1.700	0.0005	/	Pass	
30				3.8	0.200	0.0001	/	Pass	
40				3.8	1.800	0.0005	/	Pass	
50	3.8	-1.200	-0.0003	/	Pass				
16QAM	3455	50	0	20	3.3	2.500	0.0007	/	Pass
					3.8	1.900	0.0005	/	Pass
					4.4	3.400	0.0010	/	Pass
				-30	3.8	3.000	0.0009	/	Pass
				-20	3.8	1.700	0.0005	/	Pass
				-10	3.8	0.700	0.0002	/	Pass
				0	3.8	-1.400	-0.0004	/	Pass
				10	3.8	0.300	0.0001	/	Pass
				30	3.8	4.800	0.0014	/	Pass
				40	3.8	-0.300	-0.0001	/	Pass
	50	3.8	3.700	0.0011	/	Pass			
	3500	50	0	20	3.3	0.300	0.0001	/	Pass
					3.8	1.000	0.0003	/	Pass



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					4.4	1.900	0.0005	/	Pass
				-30	3.8	3.300	0.0009	/	Pass
				-20	3.8	0.900	0.0003	/	Pass
				-10	3.8	2.400	0.0007	/	Pass
				0	3.8	2.800	0.0008	/	Pass
				10	3.8	-1.000	-0.0003	/	Pass
				30	3.8	4.100	0.0012	/	Pass
				40	3.8	-1.200	-0.0003	/	Pass
				50	3.8	2.400	0.0007	/	Pass
	3545	50	0	20	3.3	-0.800	-0.0002	/	Pass
					3.8	2.300	0.0006	/	Pass
					4.4	-2.300	-0.0006	/	Pass
				-30	3.8	-3.800	-0.0011	/	Pass
				-20	3.8	-4.100	-0.0012	/	Pass
				-10	3.8	3.900	0.0011	/	Pass
				0	3.8	-0.900	-0.0003	/	Pass
				10	3.8	-2.100	-0.0006	/	Pass
				30	3.8	-1.600	-0.0005	/	Pass
				40	3.8	1.000	0.0003	/	Pass
64QAM	3455	50	0	20	3.3	20.200	0.0058	/	Pass
					3.8	10.000	0.0029	/	Pass
					4.4	5.300	0.0015	/	Pass
				-30	3.8	17.300	0.0050	/	Pass
				-20	3.8	10.000	0.0029	/	Pass
				-10	3.8	-26.600	-0.0077	/	Pass
				0	3.8	13.700	0.0040	/	Pass
				10	3.8	-6.400	-0.0019	/	Pass
				30	3.8	10.200	0.0030	/	Pass
				40	3.8	-6.700	-0.0019	/	Pass
	3500	50	0	20	3.3	-1.600	-0.0005	/	Pass
					3.8	1.900	0.0005	/	Pass
					4.4	-0.200	-0.0001	/	Pass
				-30	3.8	0.800	0.0002	/	Pass
				-20	3.8	0.500	0.0001	/	Pass
				-10	3.8	1.500	0.0004	/	Pass
				0	3.8	2.800	0.0008	/	Pass
				10	3.8	1.300	0.0004	/	Pass
				30	3.8	0.600	0.0002	/	Pass
				40	3.8	-0.100	0.0000	/	Pass
	3545	50	0	20	3.3	-0.900	-0.0003	/	Pass
					3.8	-5.600	-0.0016	/	Pass
					4.4	2.700	0.0008	/	Pass
				-30	3.8	1.100	0.0003	/	Pass
				-20	3.8	1.200	0.0003	/	Pass
				-10	3.8	2.600	0.0007	/	Pass
				0	3.8	2.800	0.0008	/	Pass



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				10	3.8	1.300	0.0004	/	Pass
				30	3.8	2.600	0.0007	/	Pass
				40	3.8	0.600	0.0002	/	Pass
				50	3.8	4.700	0.0013	/	Pass
256QAM	3455	50	0	20	3.3	0.000	0.0000	/	Pass
					3.8	-0.800	-0.0002	/	Pass
					4.4	-1.000	-0.0003	/	Pass
				-30	3.8	-0.500	-0.0001	/	Pass
					3.8	0.500	0.0001	/	Pass
					3.8	2.900	0.0008	/	Pass
				0	3.8	0.500	0.0001	/	Pass
					3.8	0.600	0.0002	/	Pass
					3.8	1.100	0.0003	/	Pass
				40	3.8	1.000	0.0003	/	Pass
					3.8	-2.600	-0.0008	/	Pass
					3.8	-0.0008	-0.0008	/	Pass
	3500	50	0	20	3.3	-0.600	-0.0002	/	Pass
					3.8	0.600	0.0002	/	Pass
					4.4	-2.600	-0.0007	/	Pass
				-30	3.8	-3.800	-0.0011	/	Pass
					3.8	-1.200	-0.0003	/	Pass
					3.8	-0.600	-0.0002	/	Pass
				0	3.8	-2.500	-0.0007	/	Pass
					3.8	-1.000	-0.0003	/	Pass
				30	3.8	2.600	0.0007	/	Pass
					3.8	2.500	0.0007	/	Pass
					3.8	-1.500	-0.0004	/	Pass
	3545	50	0	20	3.3	-1.400	-0.0004	/	Pass
					3.8	1.400	0.0004	/	Pass
					4.4	1.200	0.0003	/	Pass
				-30	3.8	0.100	0.0000	/	Pass
					3.8	0.500	0.0001	/	Pass
					3.8	0.000	0.0000	/	Pass
				0	3.8	3.000	0.0008	/	Pass
					3.8	-0.100	0.0000	/	Pass
				30	3.8	-1.300	-0.0004	/	Pass
					3.8	-2.700	-0.0008	/	Pass
					3.8	-0.400	-0.0001	/	Pass

2.3 B42a_15MHz

2.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	3.3	1.600	0.0005	/	Pass
					3.8	4.800	0.0014	/	Pass



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16QAM	3500	75	0		4.4	2.000	0.0006	/	Pass
				-30	3.8	-3.600	-0.0010	/	Pass
				-20	3.8	3.000	0.0009	/	Pass
				-10	3.8	0.300	0.0001	/	Pass
				0	3.8	3.000	0.0009	/	Pass
				10	3.8	1.100	0.0003	/	Pass
				30	3.8	1.800	0.0005	/	Pass
				40	3.8	0.000	0.0000	/	Pass
				50	3.8	0.400	0.0001	/	Pass
				20	3.3	-0.700	-0.0002	/	Pass
	3542.5	75	0		3.8	-1.000	-0.0003	/	Pass
					4.4	0.200	0.0001	/	Pass
				-30	3.8	-0.800	-0.0002	/	Pass
				-20	3.8	1.600	0.0005	/	Pass
				-10	3.8	0.600	0.0002	/	Pass
				0	3.8	2.500	0.0007	/	Pass
				10	3.8	-2.800	-0.0008	/	Pass
				30	3.8	-0.800	-0.0002	/	Pass
				40	3.8	-0.600	-0.0002	/	Pass
				50	3.8	-4.100	-0.0012	/	Pass
	3457.5	75	0	20	3.3	2.300	0.0006	/	Pass
					3.8	3.500	0.0010	/	Pass
					4.4	2.800	0.0008	/	Pass
				-30	3.8	4.900	0.0014	/	Pass
				-20	3.8	-1.000	-0.0003	/	Pass
				-10	3.8	6.100	0.0017	/	Pass
				0	3.8	3.000	0.0008	/	Pass
				10	3.8	-0.300	-0.0001	/	Pass
				30	3.8	1.800	0.0005	/	Pass
				40	3.8	6.200	0.0018	/	Pass
	3500	75	0		3.8	3.200	0.0009	/	Pass
				20	3.3	-2.400	-0.0007	/	Pass
					3.8	4.300	0.0012	/	Pass
					4.4	0.700	0.0002	/	Pass
				-30	3.8	1.900	0.0005	/	Pass
				-20	3.8	3.700	0.0011	/	Pass
				-10	3.8	2.100	0.0006	/	Pass
				0	3.8	4.600	0.0013	/	Pass
				10	3.8	6.400	0.0019	/	Pass
				30	3.8	1.000	0.0003	/	Pass
	3500	75	0	40	3.8	0.100	0.0000	/	Pass
				50	3.8	-0.900	-0.0003	/	Pass
				20	3.3	-1.000	-0.0003	/	Pass
					3.8	4.100	0.0012	/	Pass
					4.4	0.100	0.0000	/	Pass
				-30	3.8	-0.900	-0.0003	/	Pass
				-20	3.8	0.600	0.0002	/	Pass
				-10	3.8	0.000	0.0000	/	Pass
				0	3.8	0.700	0.0002	/	Pass



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	3542.5	75	0	10	3.8	1.900	0.0005	/	Pass
				30	3.8	0.200	0.0001	/	Pass
				40	3.8	2.000	0.0006	/	Pass
				50	3.8	2.300	0.0007	/	Pass
				20	3.3	3.200	0.0009	/	Pass
					3.8	1.300	0.0004	/	Pass
					4.4	3.000	0.0008	/	Pass
				-30	3.8	1.500	0.0004	/	Pass
				-20	3.8	1.600	0.0005	/	Pass
				-10	3.8	1.300	0.0004	/	Pass
				0	3.8	1.200	0.0003	/	Pass
				10	3.8	1.000	0.0003	/	Pass
				30	3.8	4.900	0.0014	/	Pass
				40	3.8	2.900	0.0008	/	Pass
				50	3.8	6.300	0.0018	/	Pass
64QAM	3457.5	75	0	20	3.3	-1.600	-0.0005	/	Pass
					3.8	18.300	0.0053	/	Pass
					4.4	7.900	0.0023	/	Pass
				-30	3.8	10.200	0.0030	/	Pass
				-20	3.8	-1.400	-0.0004	/	Pass
				-10	3.8	-6.800	-0.0020	/	Pass
				0	3.8	-3.800	-0.0011	/	Pass
				10	3.8	9.700	0.0028	/	Pass
				30	3.8	7.500	0.0022	/	Pass
				40	3.8	3.700	0.0011	/	Pass
				50	3.8	3.400	0.0010	/	Pass
	3500	75	0	20	3.3	-5.800	-0.0017	/	Pass
					3.8	-0.800	-0.0002	/	Pass
					4.4	6.100	0.0017	/	Pass
				-30	3.8	-3.100	-0.0009	/	Pass
				-20	3.8	-6.100	-0.0017	/	Pass
				-10	3.8	-9.100	-0.0026	/	Pass
				0	3.8	-13.500	-0.0039	/	Pass
				10	3.8	-9.600	-0.0027	/	Pass
				30	3.8	6.100	0.0017	/	Pass
				40	3.8	-8.500	-0.0024	/	Pass
				50	3.8	-6.500	-0.0019	/	Pass
	3542.5	75	0	20	3.3	-1.100	-0.0003	/	Pass
					3.8	2.900	0.0008	/	Pass
					4.4	-3.400	-0.0010	/	Pass
				-30	3.8	10.300	0.0029	/	Pass
				-20	3.8	11.100	0.0031	/	Pass
				-10	3.8	4.900	0.0014	/	Pass
				0	3.8	14.500	0.0041	/	Pass
				10	3.8	-0.500	-0.0001	/	Pass
				30	3.8	16.600	0.0047	/	Pass
				40	3.8	3.500	0.0010	/	Pass
				50	3.8	17.400	0.0049	/	Pass
256QAM	3457.5	75	0	20	3.3	2.600	0.0008	/	Pass



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					3.8	-10.502	-0.0030	/	Pass
					4.4	-0.400	-0.0001	/	Pass
				-30	3.8	0.200	0.0001	/	Pass
				-20	3.8	3.100	0.0009	/	Pass
				-10	3.8	1.600	0.0005	/	Pass
				0	3.8	-2.300	-0.0007	/	Pass
				10	3.8	4.300	0.0012	/	Pass
				30	3.8	4.700	0.0014	/	Pass
				40	3.8	2.100	0.0006	/	Pass
				50	3.8	1.100	0.0003	/	Pass
	3500	75	0	20	3.3	-3.400	-0.0010	/	Pass
					3.8	-11.460	-0.0033	/	Pass
					4.4	-1.200	-0.0003	/	Pass
				-30	3.8	-0.400	-0.0001	/	Pass
				-20	3.8	0.400	0.0001	/	Pass
				-10	3.8	0.500	0.0001	/	Pass
				0	3.8	1.600	0.0005	/	Pass
				10	3.8	-1.800	-0.0005	/	Pass
				30	3.8	-1.400	-0.0004	/	Pass
				40	3.8	2.500	0.0007	/	Pass
	50	3.8	-1.900	-0.0005	/	Pass			
	3542.5	75	0	20	3.3	7.900	0.0022	/	Pass
					3.8	2.700	0.0008	/	Pass
					4.4	2.700	0.0008	/	Pass
				-30	3.8	2.200	0.0006	/	Pass
				-20	3.8	-1.000	-0.0003	/	Pass
				-10	3.8	0.900	0.0003	/	Pass
				0	3.8	3.300	0.0009	/	Pass
				10	3.8	1.800	0.0005	/	Pass
				30	3.8	4.100	0.0012	/	Pass
				40	3.8	2.700	0.0008	/	Pass
				50	3.8	0.900	0.0003	/	Pass

2.4 B42a_20MHz

2.4.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	3.3	0.800	0.0002	/	Pass
					3.8	3.300	0.0010	/	Pass
					4.4	3.600	0.0010	/	Pass
				-30	3.8	3.800	0.0011	/	Pass
				-20	3.8	2.300	0.0007	/	Pass
				-10	3.8	2.800	0.0008	/	Pass
				0	3.8	2.000	0.0006	/	Pass



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16QAM	3500	100	0	10	3.8	5.100	0.0015	/	Pass
				30	3.8	7.100	0.0021	/	Pass
				40	3.8	1.500	0.0004	/	Pass
				50	3.8	3.600	0.0010	/	Pass
				20	3.3	1.500	0.0004	/	Pass
					3.8	-1.000	-0.0003	/	Pass
					4.4	2.200	0.0006	/	Pass
				-30	3.8	1.200	0.0003	/	Pass
				-20	3.8	2.100	0.0006	/	Pass
				-10	3.8	0.600	0.0002	/	Pass
				0	3.8	0.100	0.0000	/	Pass
				10	3.8	-3.400	-0.0010	/	Pass
				30	3.8	2.300	0.0007	/	Pass
				40	3.8	2.400	0.0007	/	Pass
				50	3.8	-0.800	-0.0002	/	Pass
	3540	100	0	20	3.3	-3.500	-0.0010	/	Pass
					3.8	-0.600	-0.0002	/	Pass
					4.4	0.700	0.0002	/	Pass
				-30	3.8	-1.400	-0.0004	/	Pass
				-20	3.8	-1.400	-0.0004	/	Pass
				-10	3.8	1.100	0.0003	/	Pass
				0	3.8	0.500	0.0001	/	Pass
				10	3.8	0.000	0.0000	/	Pass
				30	3.8	1.400	0.0004	/	Pass
				40	3.8	3.700	0.0010	/	Pass
				50	3.8	1.700	0.0005	/	Pass
	3460	100	0	20	3.3	2.600	0.0008	/	Pass
					3.8	3.900	0.0011	/	Pass
					4.4	2.100	0.0006	/	Pass
				-30	3.8	5.600	0.0016	/	Pass
				-20	3.8	1.800	0.0005	/	Pass
				-10	3.8	2.100	0.0006	/	Pass
				0	3.8	3.700	0.0011	/	Pass
				10	3.8	5.000	0.0014	/	Pass
				30	3.8	5.900	0.0017	/	Pass
				40	3.8	3.800	0.0011	/	Pass
				50	3.8	1.600	0.0005	/	Pass
	3500	100	0	20	3.3	-1.900	-0.0005	/	Pass
					3.8	-0.400	-0.0001	/	Pass
					4.4	0.000	0.0000	/	Pass
				-30	3.8	1.700	0.0005	/	Pass
				-20	3.8	2.900	0.0008	/	Pass
				-10	3.8	0.600	0.0002	/	Pass
				0	3.8	1.000	0.0003	/	Pass
				10	3.8	-1.100	-0.0003	/	Pass
				30	3.8	0.100	0.0000	/	Pass
				40	3.8	-0.800	-0.0002	/	Pass
				50	3.8	3.300	0.0009	/	Pass
	3540	100	0	20	3.3	0.000	0.0000	/	Pass



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					3.8	-0.200	-0.0001	/	Pass
					4.4	-2.200	-0.0006	/	Pass
				-30	3.8	-1.100	-0.0003	/	Pass
				-20	3.8	1.100	0.0003	/	Pass
				-10	3.8	0.800	0.0002	/	Pass
				0	3.8	1.100	0.0003	/	Pass
				10	3.8	3.800	0.0011	/	Pass
				30	3.8	0.700	0.0002	/	Pass
				40	3.8	-0.100	0.0000	/	Pass
				50	3.8	2.900	0.0008	/	Pass
64QAM	3460	100	0	20	3.3	-1.100	-0.0003	/	Pass
					3.8	2.800	0.0008	/	Pass
					4.4	-9.100	-0.0026	/	Pass
				-30	3.8	9.700	0.0028	/	Pass
				-20	3.8	-5.200	-0.0015	/	Pass
				-10	3.8	-10.200	-0.0029	/	Pass
				0	3.8	-2.500	-0.0007	/	Pass
				10	3.8	-16.600	-0.0048	/	Pass
				30	3.8	2.600	0.0008	/	Pass
				40	3.8	-10.500	-0.0030	/	Pass
	50	3.8	6.800	0.0020	/	Pass			
	3500	100	0	20	3.3	9.100	0.0026	/	Pass
					3.8	0.300	0.0001	/	Pass
					4.4	-0.500	-0.0001	/	Pass
				-30	3.8	-3.600	-0.0010	/	Pass
				-20	3.8	6.300	0.0018	/	Pass
				-10	3.8	1.300	0.0004	/	Pass
				0	3.8	6.300	0.0018	/	Pass
				10	3.8	11.500	0.0033	/	Pass
				30	3.8	2.800	0.0008	/	Pass
				40	3.8	-5.000	-0.0014	/	Pass
	50	3.8	-11.700	-0.0033	/	Pass			
	3540	100	0	20	3.3	-5.300	-0.0015	/	Pass
					3.8	9.500	0.0027	/	Pass
					4.4	-4.200	-0.0012	/	Pass
				-30	3.8	11.300	0.0032	/	Pass
				-20	3.8	-13.500	-0.0038	/	Pass
				-10	3.8	3.800	0.0011	/	Pass
				0	3.8	10.400	0.0029	/	Pass
				10	3.8	-6.800	-0.0019	/	Pass
				30	3.8	0.600	0.0002	/	Pass
				40	3.8	23.200	0.0066	/	Pass
	50	3.8	4.900	0.0014	/	Pass			
256QAM	3460	100	0	20	3.3	5.200	0.0015	/	Pass
					3.8	-0.100	0.0000	/	Pass
					4.4	1.000	0.0003	/	Pass
				-30	3.8	1.100	0.0003	/	Pass
				-20	3.8	4.400	0.0013	/	Pass
				-10	3.8	6.700	0.0019	/	Pass



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				0	3.8	3.300	0.0010	/	Pass
				10	3.8	3.200	0.0009	/	Pass
				30	3.8	-0.100	0.0000	/	Pass
				40	3.8	-0.400	-0.0001	/	Pass
				50	3.8	4.100	0.0012	/	Pass
	3500	100	0	20	3.3	-0.800	-0.0002	/	Pass
					3.8	-2.600	-0.0007	/	Pass
					4.4	-0.400	-0.0001	/	Pass
				-30	3.8	0.900	0.0003	/	Pass
				-20	3.8	1.200	0.0003	/	Pass
				-10	3.8	0.500	0.0001	/	Pass
				0	3.8	-1.800	-0.0005	/	Pass
				10	3.8	1.200	0.0003	/	Pass
				30	3.8	1.400	0.0004	/	Pass
				40	3.8	-2.800	-0.0008	/	Pass
				50	3.8	-1.200	-0.0003	/	Pass
	3540	100	0	20	3.3	1.100	0.0003	/	Pass
					3.8	2.800	0.0008	/	Pass
					4.4	-1.800	-0.0005	/	Pass
				-30	3.8	2.700	0.0008	/	Pass
				-20	3.8	1.100	0.0003	/	Pass
				-10	3.8	0.600	0.0002	/	Pass
				0	3.8	-1.600	-0.0005	/	Pass
				10	3.8	3.300	0.0009	/	Pass
				30	3.8	2.900	0.0008	/	Pass
				40	3.8	1.400	0.0004	/	Pass
				50	3.8	0.800	0.0002	/	Pass



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3. 99% & 26dB Bandwidth

3.1 Band42a_OBW

3.1.1 Test Result

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.543	/	Pass
		3500	25	0	4.567	/	Pass
		3547.5	25	0	4.563	/	Pass
	16QAM	3452.5	25	0	4.551	/	Pass
		3500	25	0	4.554	/	Pass
		3547.5	25	0	4.544	/	Pass
	64QAM	3452.5	25	0	4.561	/	Pass
		3500	25	0	4.575	/	Pass
		3547.5	25	0	4.550	/	Pass
	256QAM	3452.5	25	0	4.567	/	Pass
		3500	25	0	4.563	/	Pass
		3547.5	25	0	4.545	/	Pass
10	QPSK	3455	50	0	9.090	/	Pass
		3500	50	0	9.089	/	Pass
		3545	50	0	9.062	/	Pass
	16QAM	3455	50	0	9.074	/	Pass
		3500	50	0	9.065	/	Pass
		3545	50	0	9.056	/	Pass
	64QAM	3455	50	0	9.051	/	Pass
		3500	50	0	9.063	/	Pass
		3545	50	0	9.073	/	Pass
	256QAM	3455	50	0	9.083	/	Pass
		3500	50	0	9.052	/	Pass
		3545	50	0	9.093	/	Pass
15	QPSK	3457.5	75	0	13.644	/	Pass
		3500	75	0	13.634	/	Pass
		3542.5	75	0	13.601	/	Pass
	16QAM	3457.5	75	0	13.641	/	Pass
		3500	75	0	13.604	/	Pass
		3542.5	75	0	13.598	/	Pass
	64QAM	3457.5	75	0	13.615	/	Pass
		3500	75	0	13.630	/	Pass
		3542.5	75	0	13.636	/	Pass
	256QAM	3457.5	75	0	13.481	/	Pass
		3500	75	0	13.603	/	Pass
		3542.5	75	0	13.498	/	Pass
20	QPSK	3460	100	0	18.168	/	Pass
		3500	100	0	18.135	/	Pass
		3540	100	0	18.163	/	Pass
	16QAM	3460	100	0	18.086	/	Pass



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		3500	100	0	18.121	/	Pass
		3540	100	0	18.085	/	Pass
	64QAM	3460	100	0	18.127	/	Pass
		3500	100	0	18.135	/	Pass
		3540	100	0	18.106	/	Pass
	256QAM	3460	100	0	18.144	/	Pass
		3500	100	0	18.067	/	Pass
		3540	100	0	17.968	/	Pass



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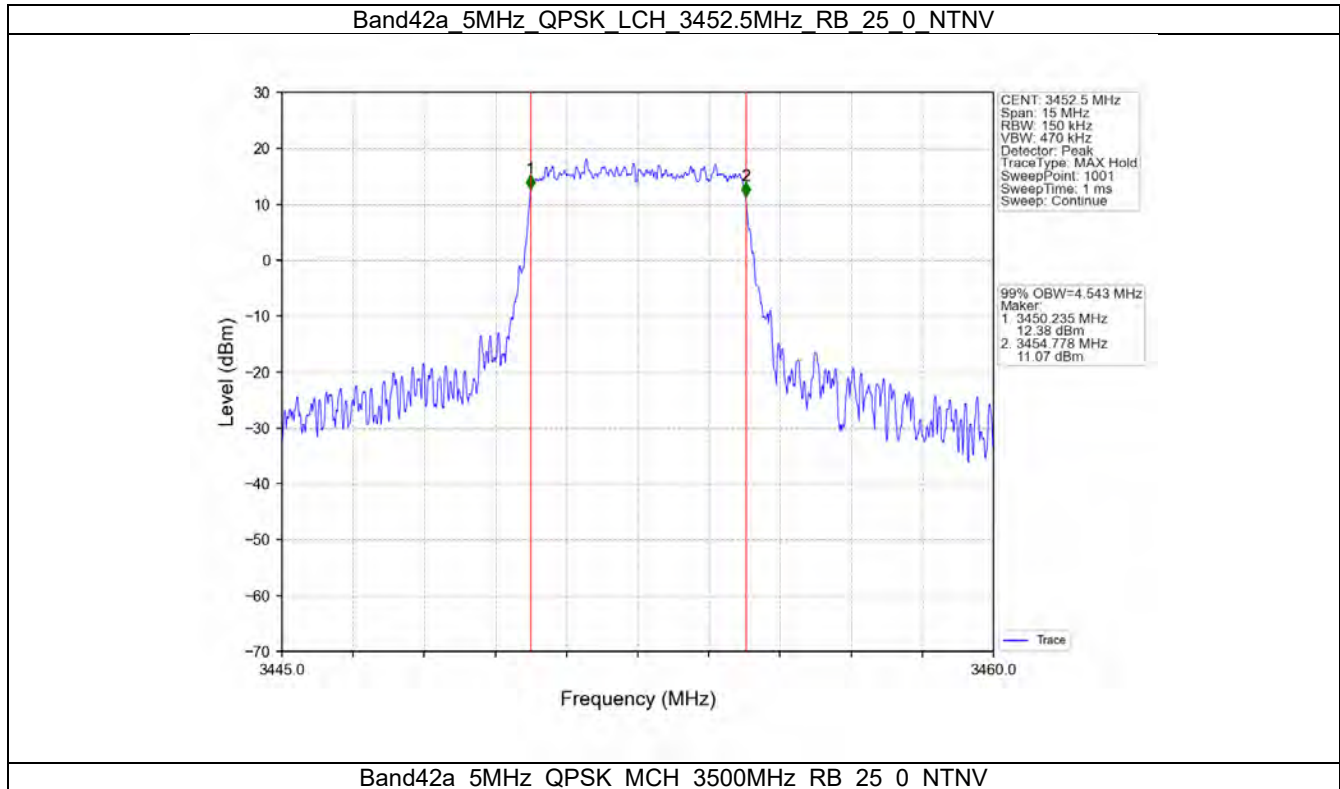
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3.1.2 Test Graph



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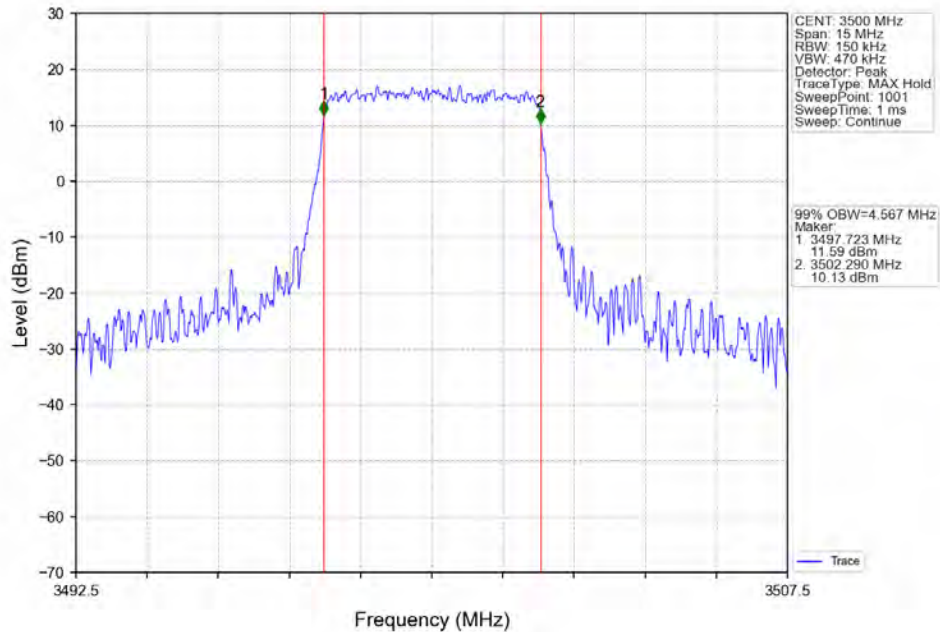
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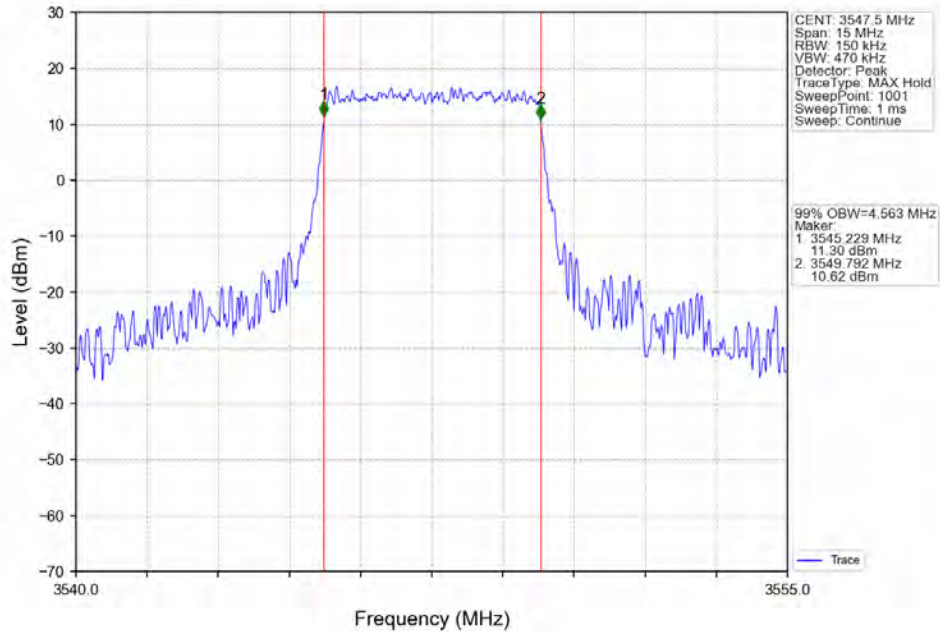
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Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



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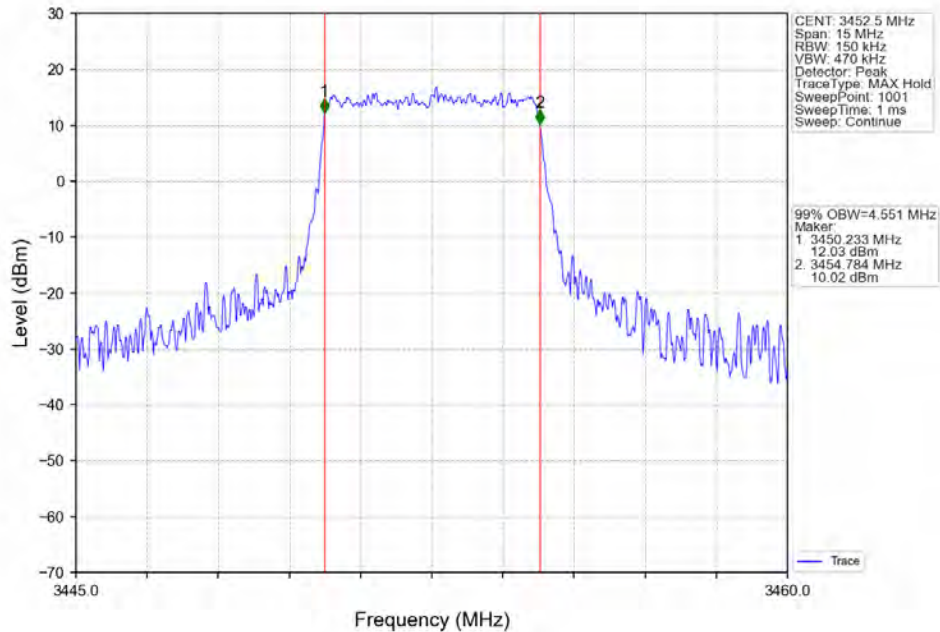
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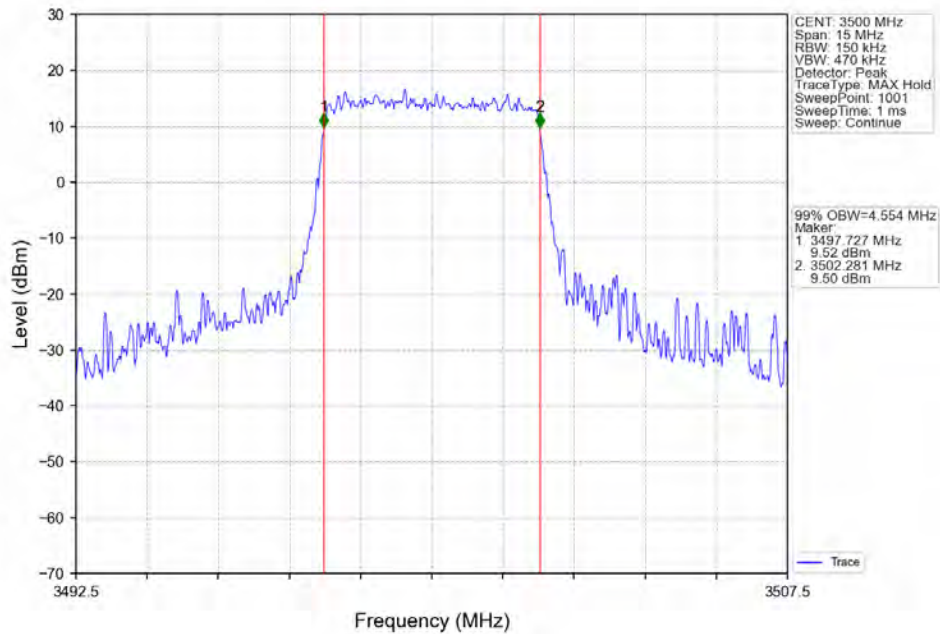
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Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



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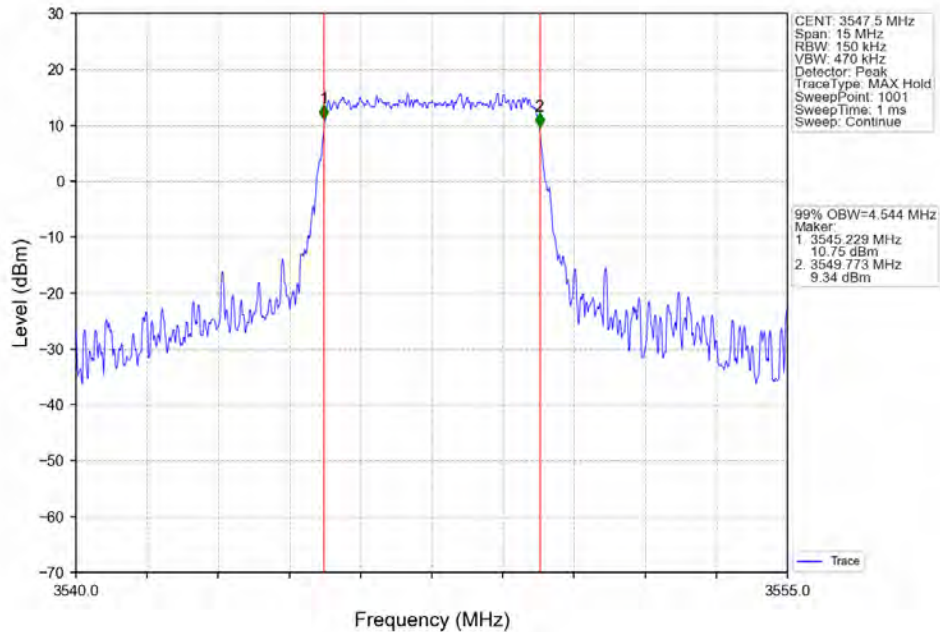
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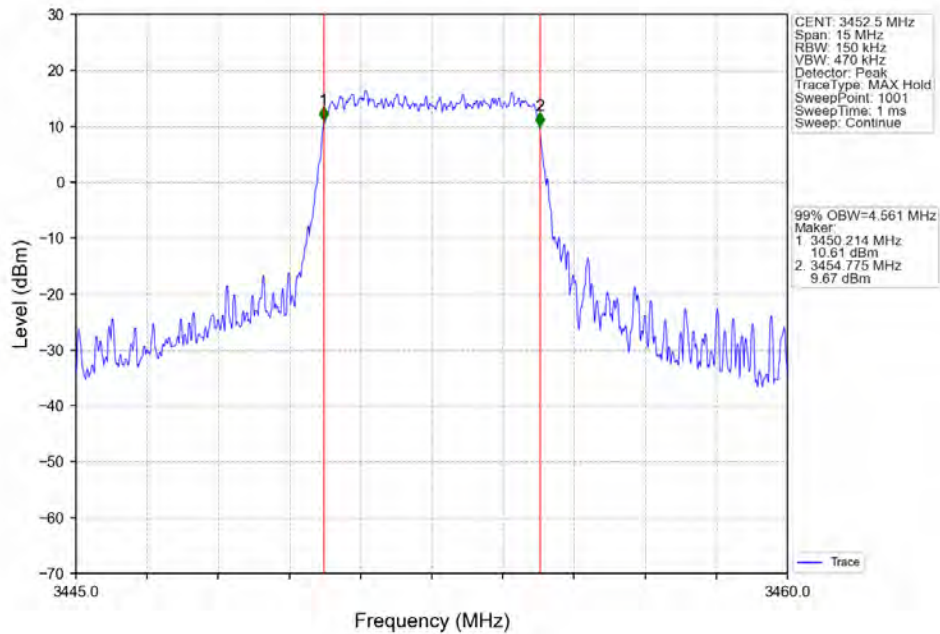
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Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



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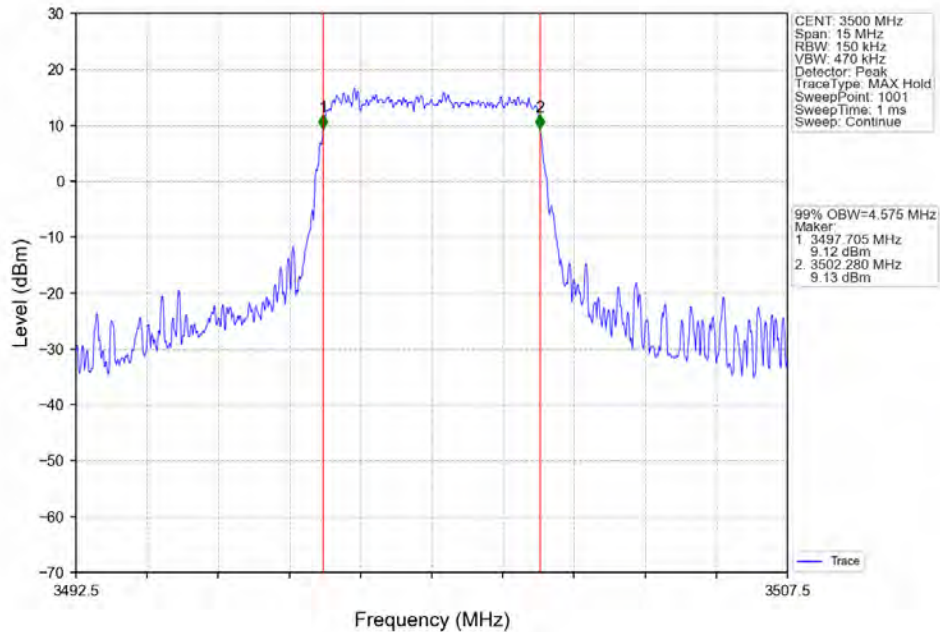
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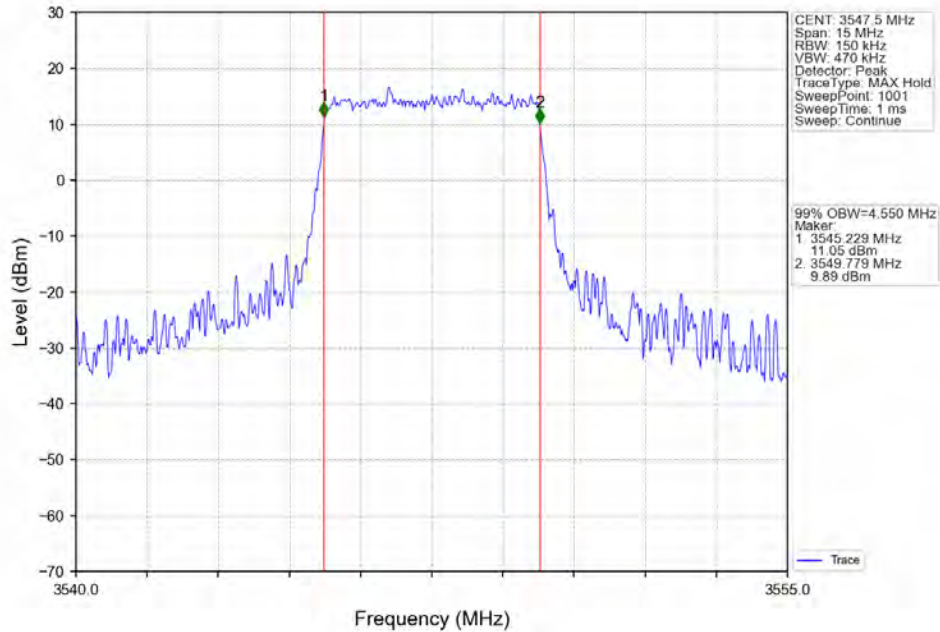
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Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



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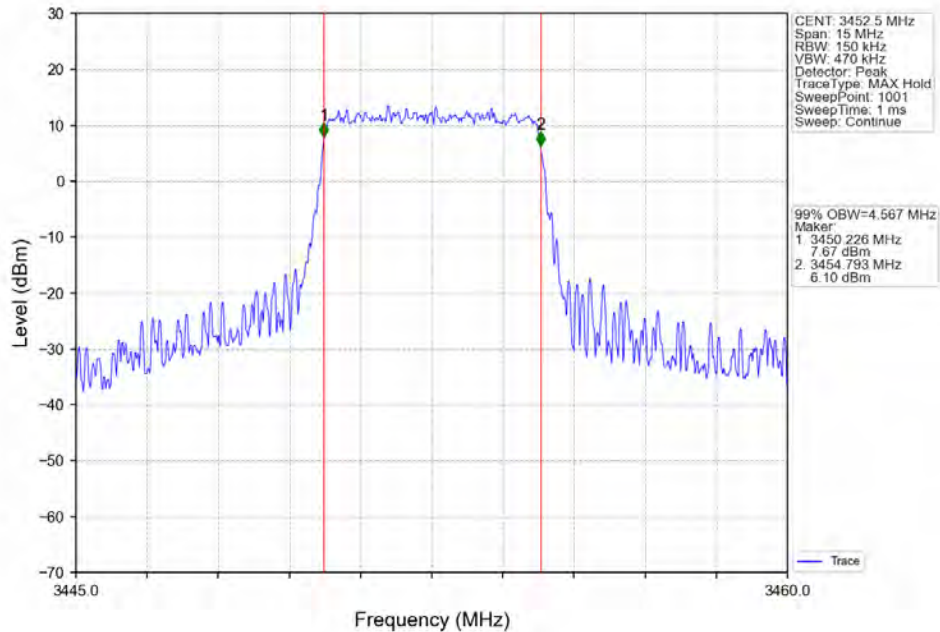
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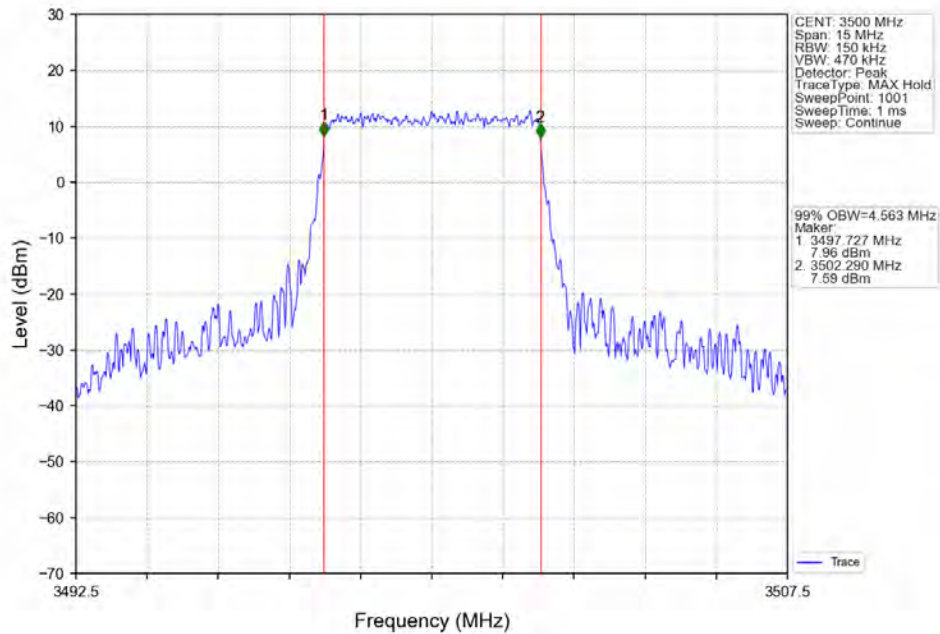
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Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



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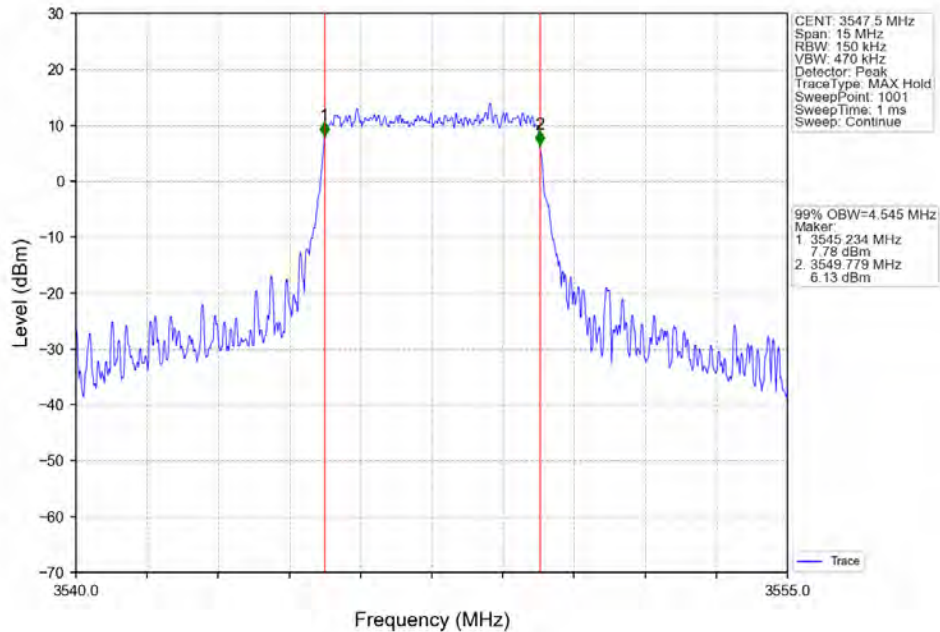
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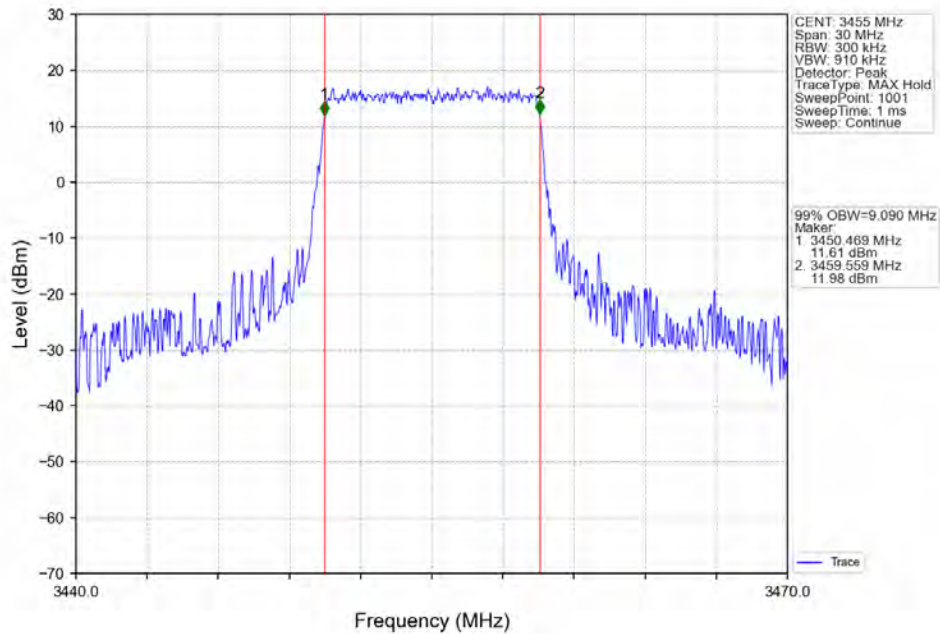
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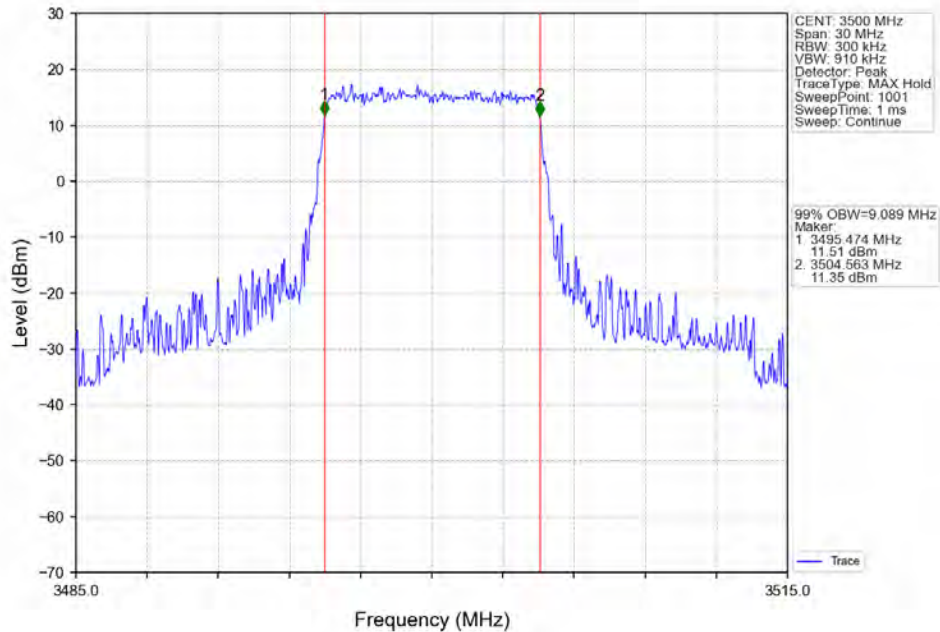
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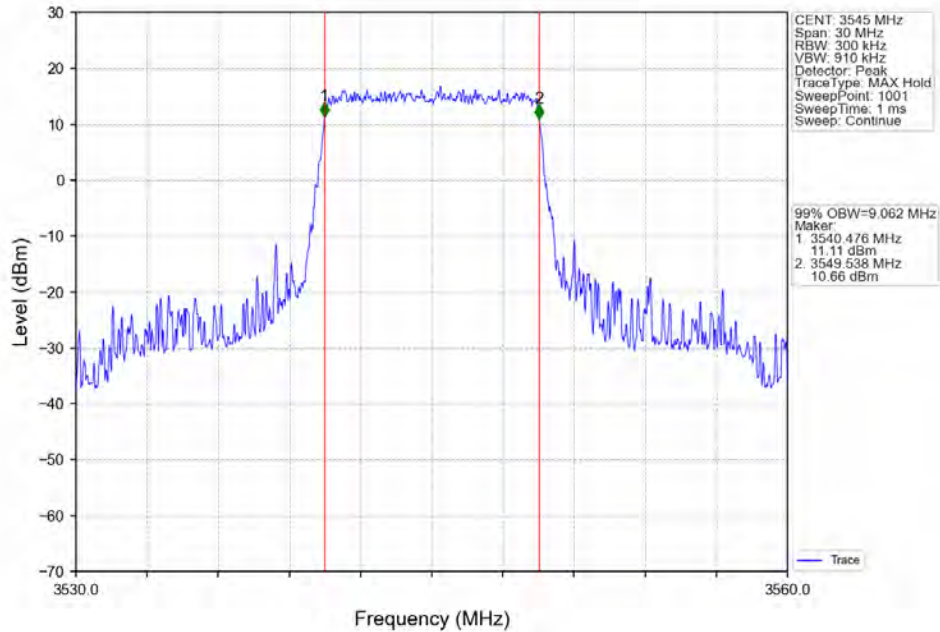
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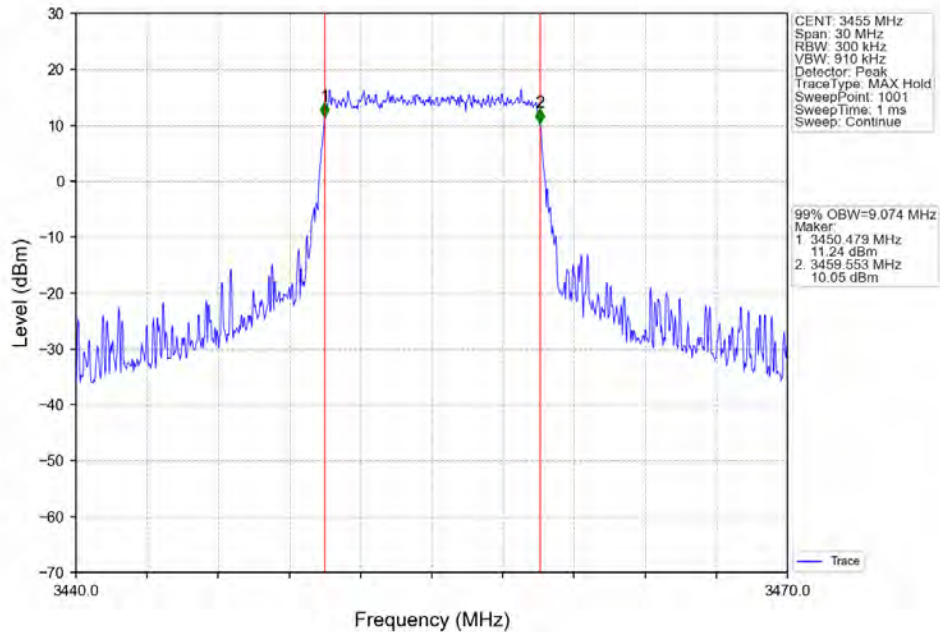
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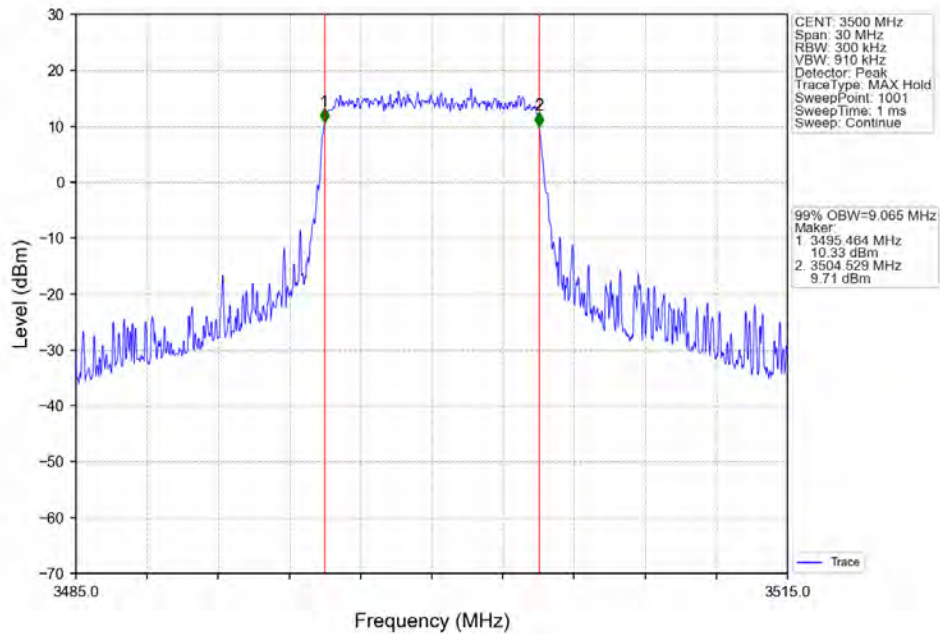
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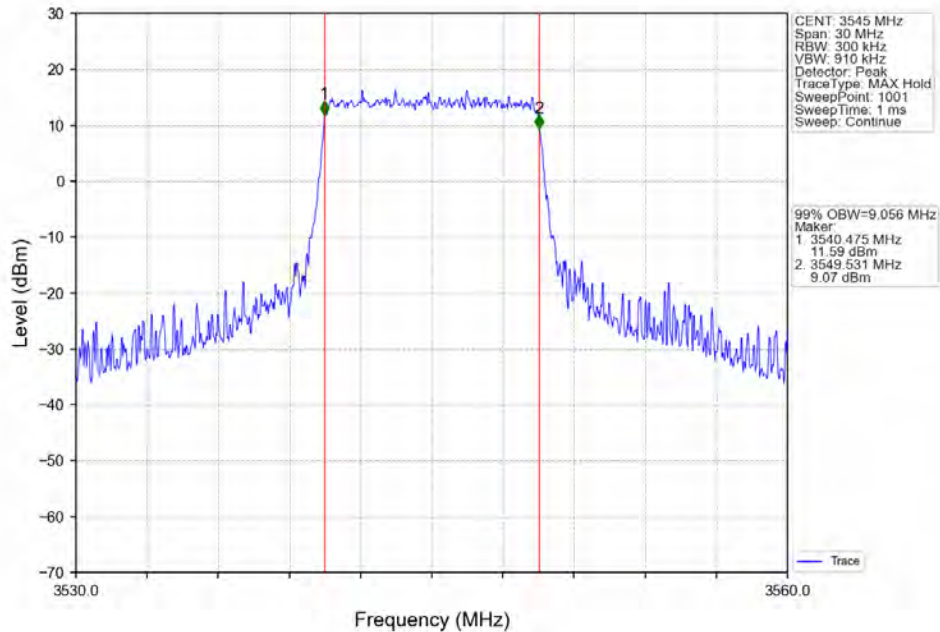
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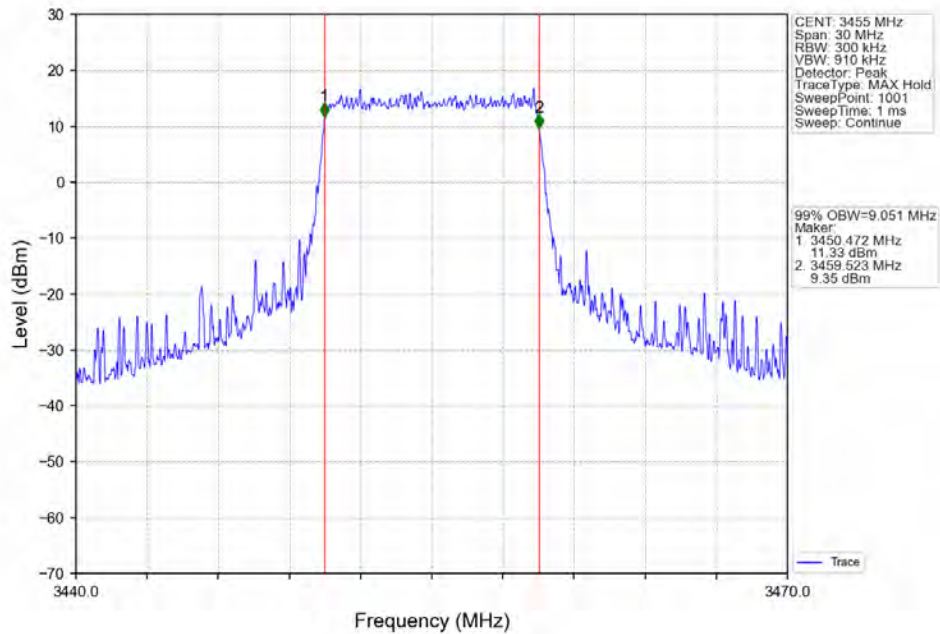
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Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



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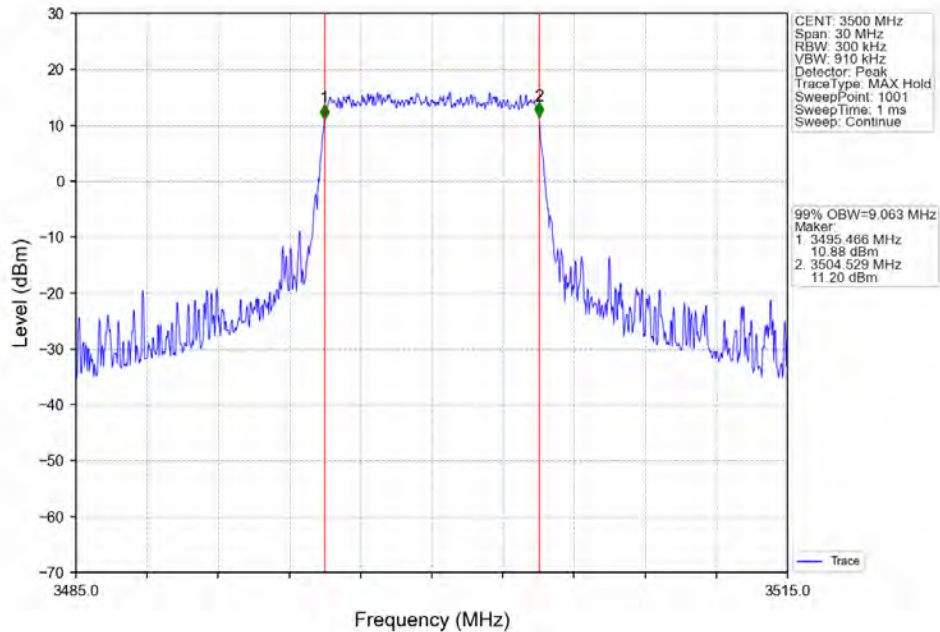
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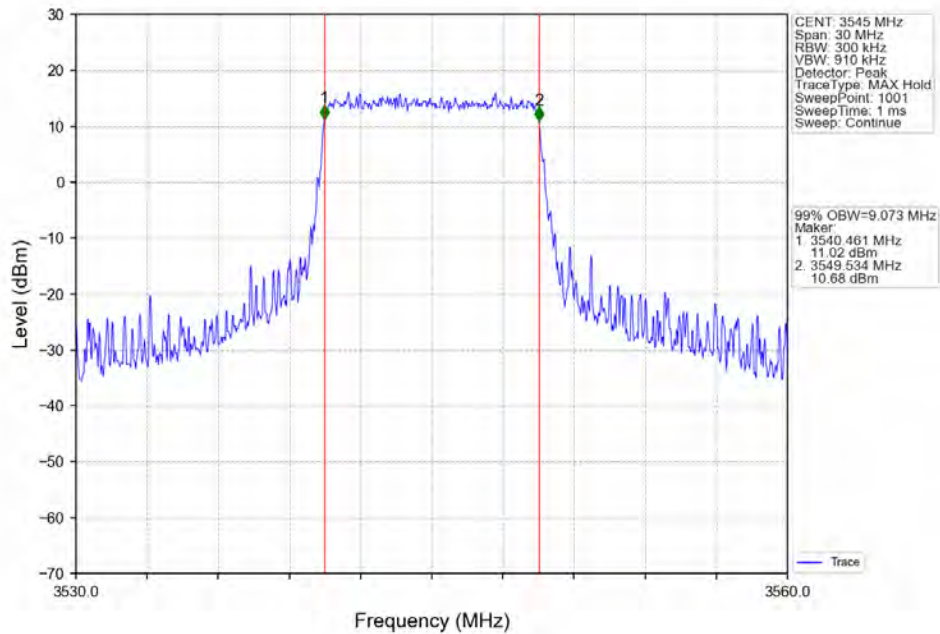
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Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



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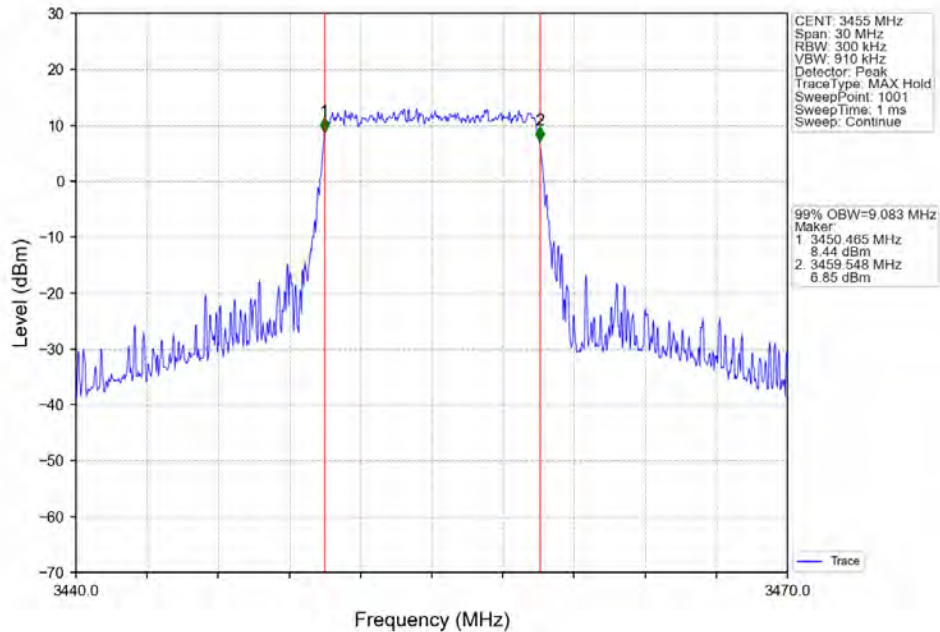
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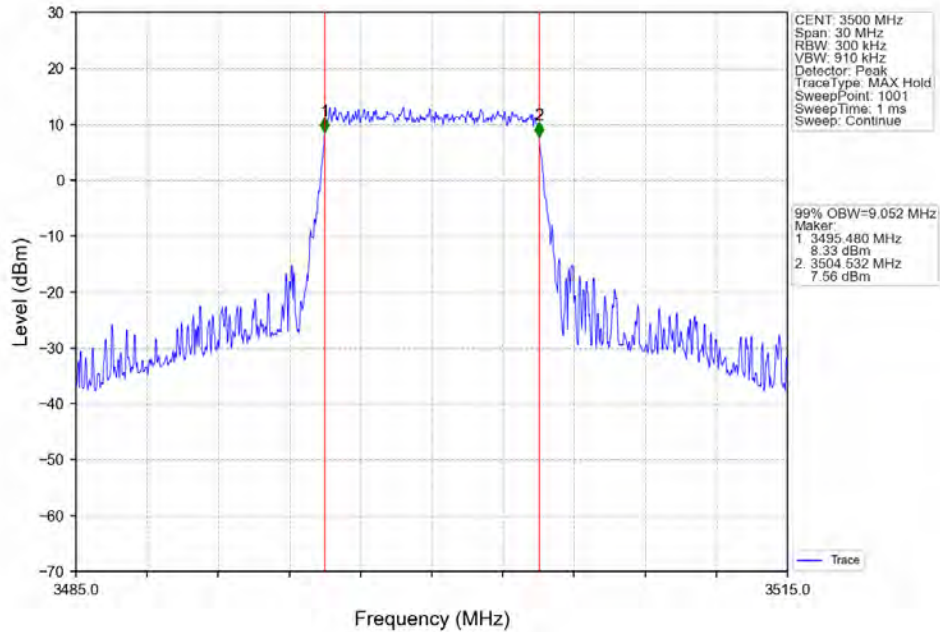
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Band42a_10MHz_256QAM_HCH_3545MHz_RB_50_0_NTNV



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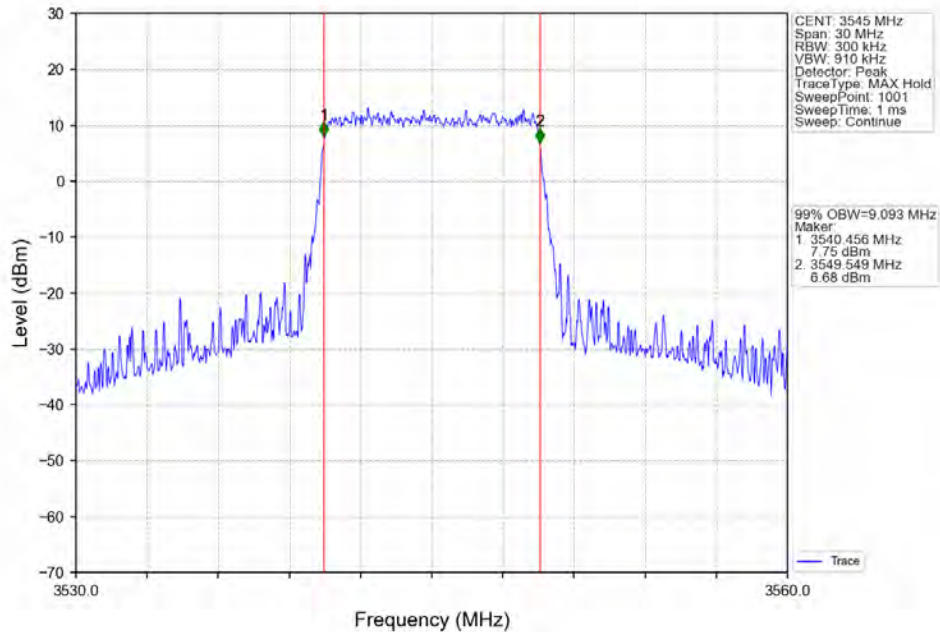
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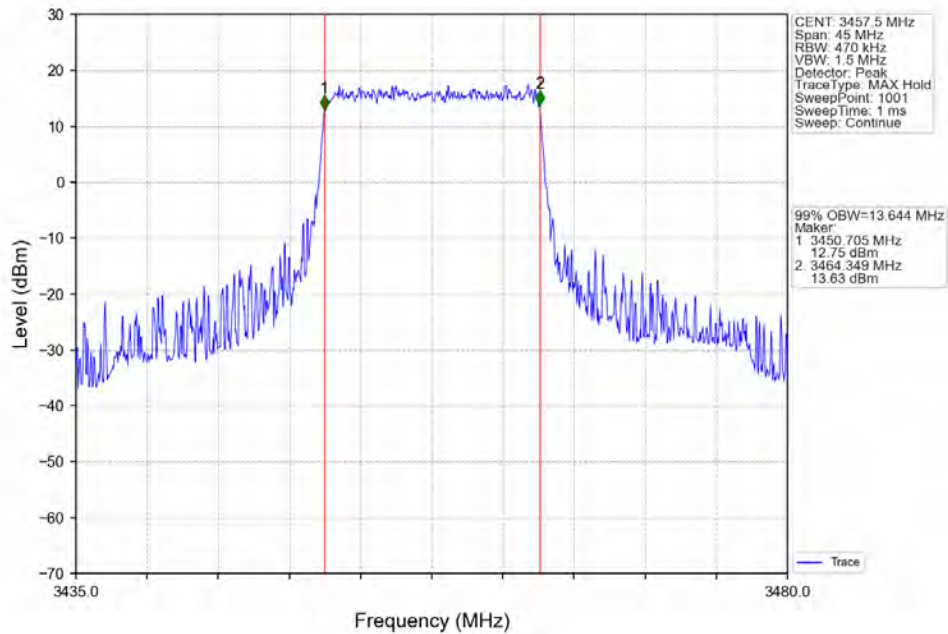
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Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



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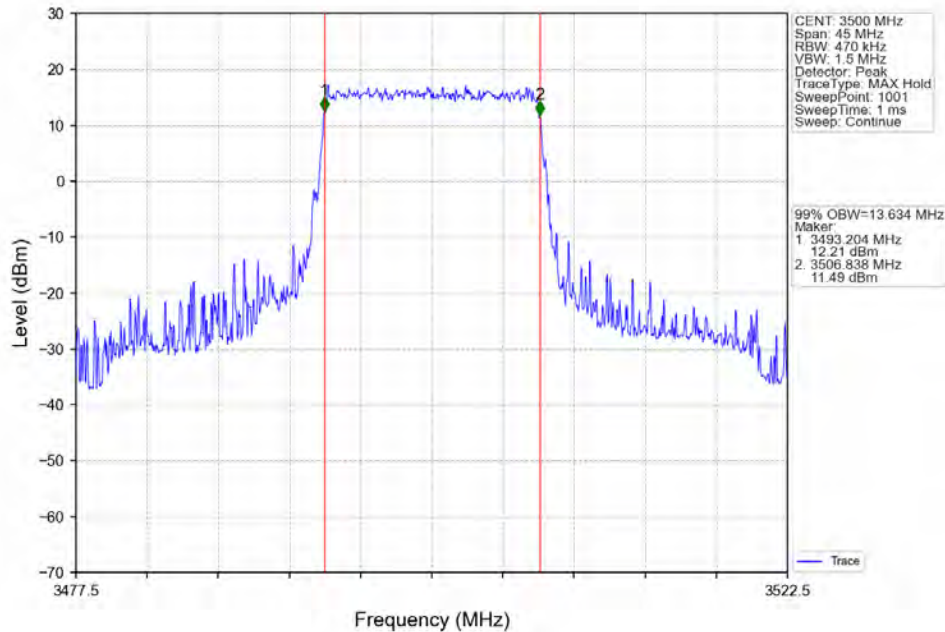
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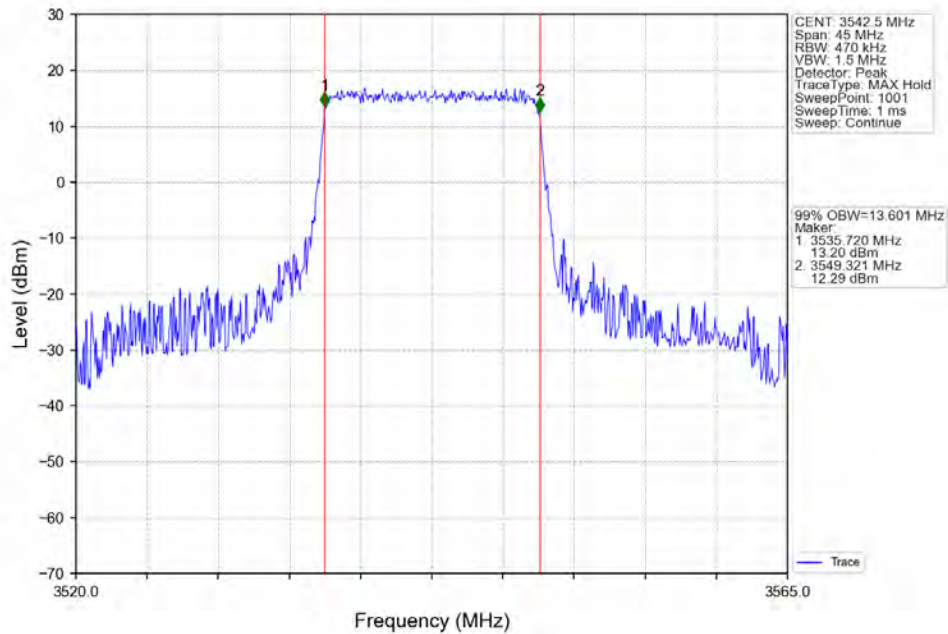
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Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



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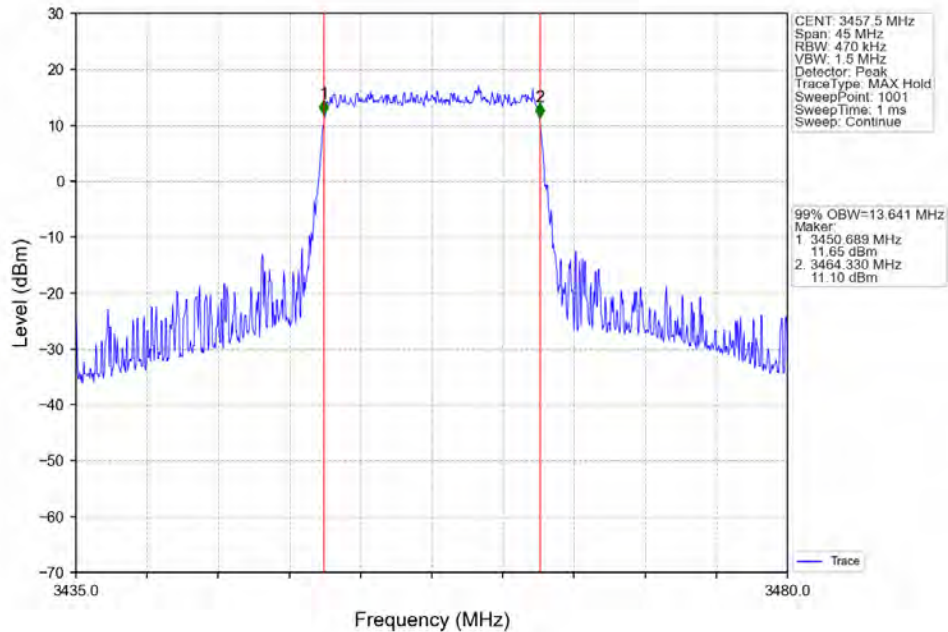
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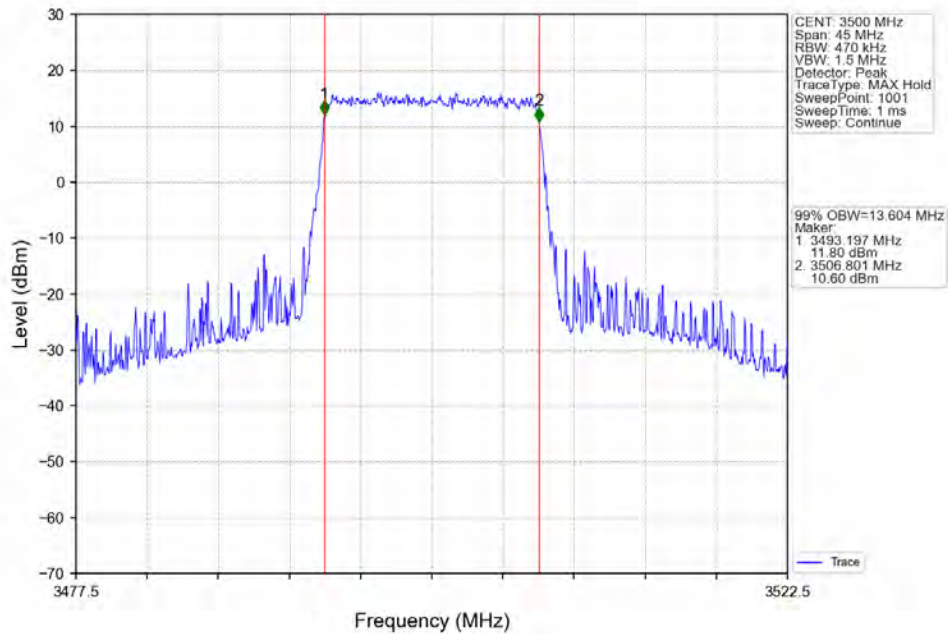
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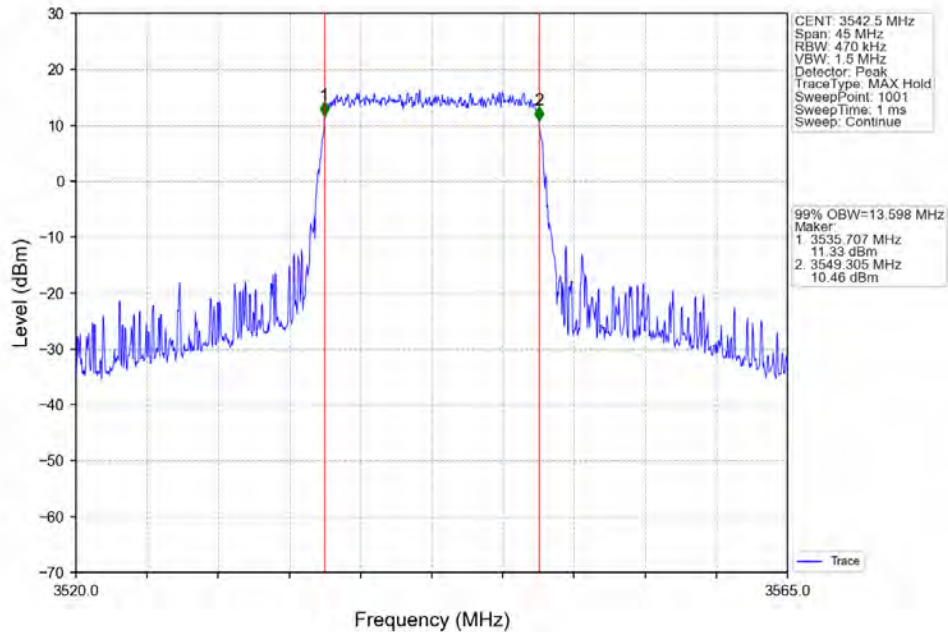
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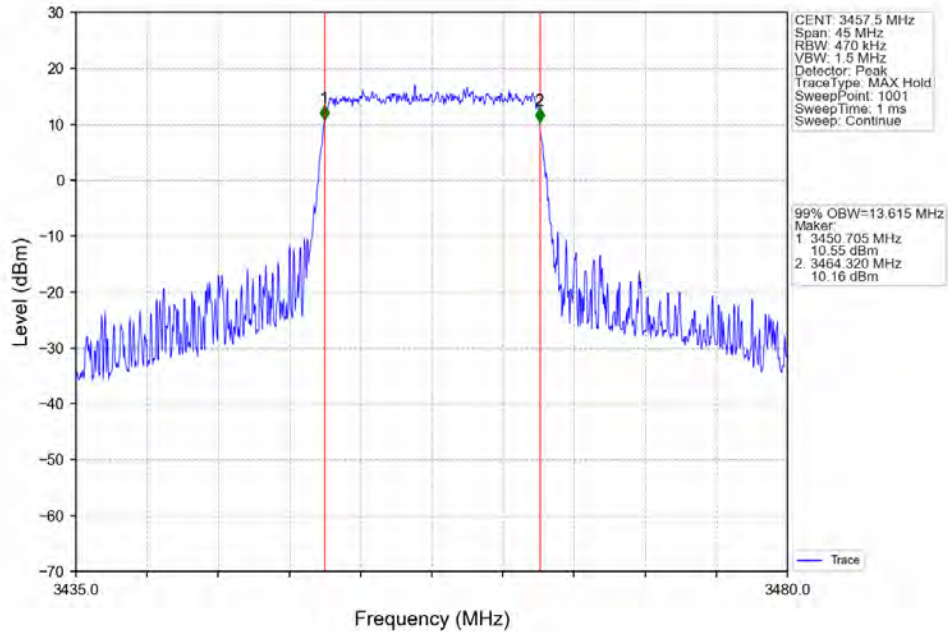
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



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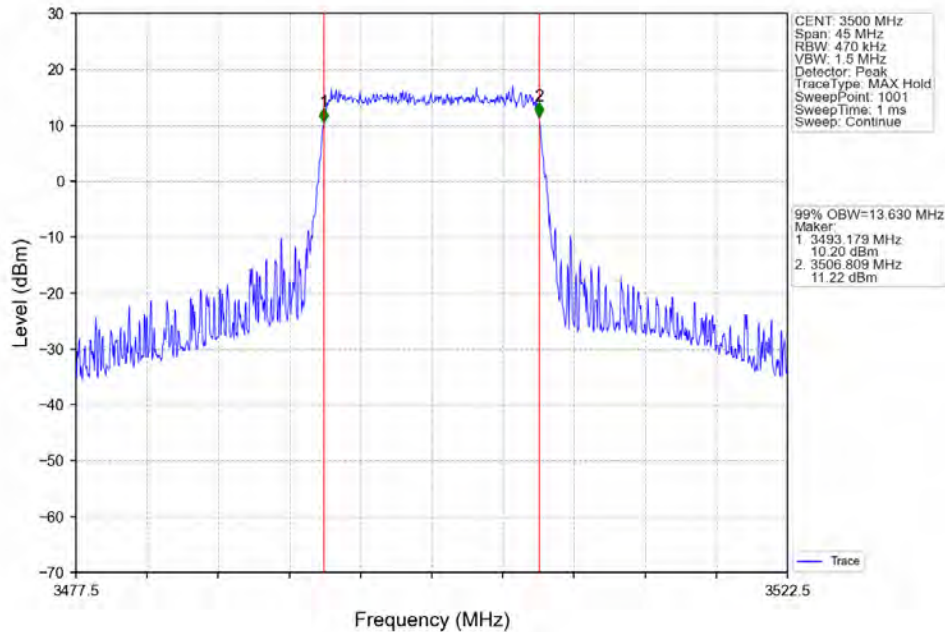
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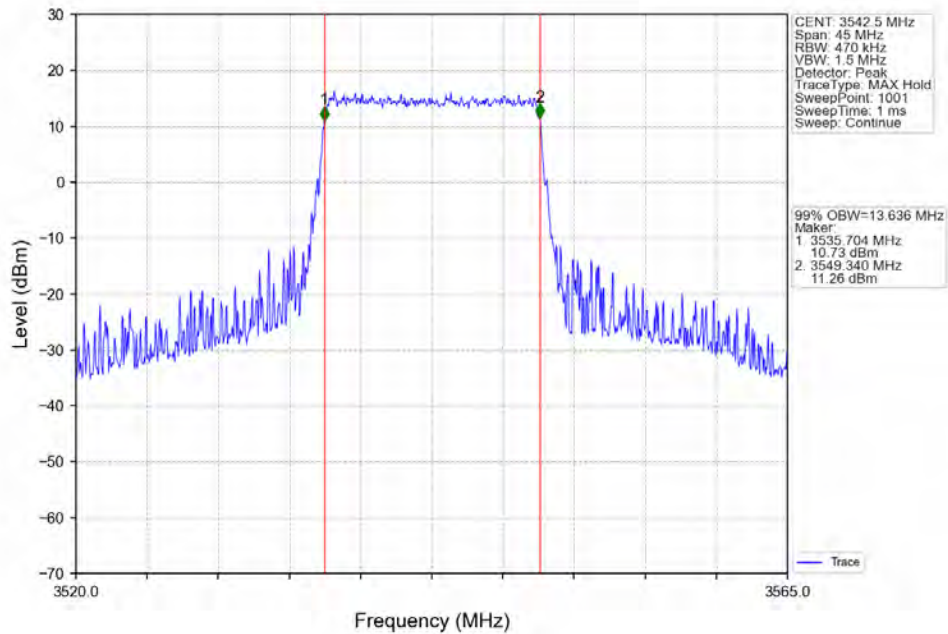
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Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_75_0_NTNV



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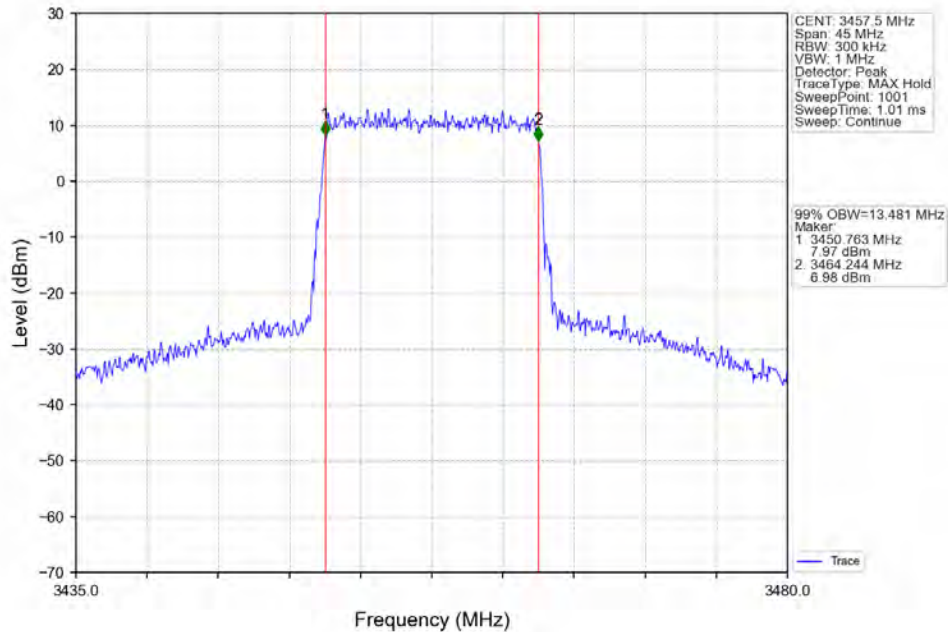
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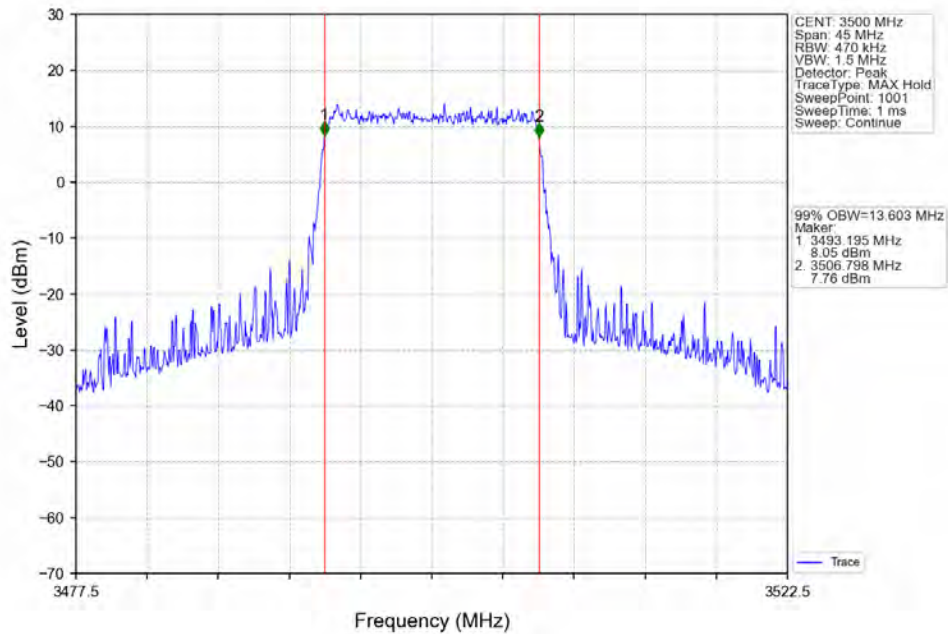
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Band42a_15MHz_256QAM_HCH_3542.5MHz_RB_75_0_NTNV



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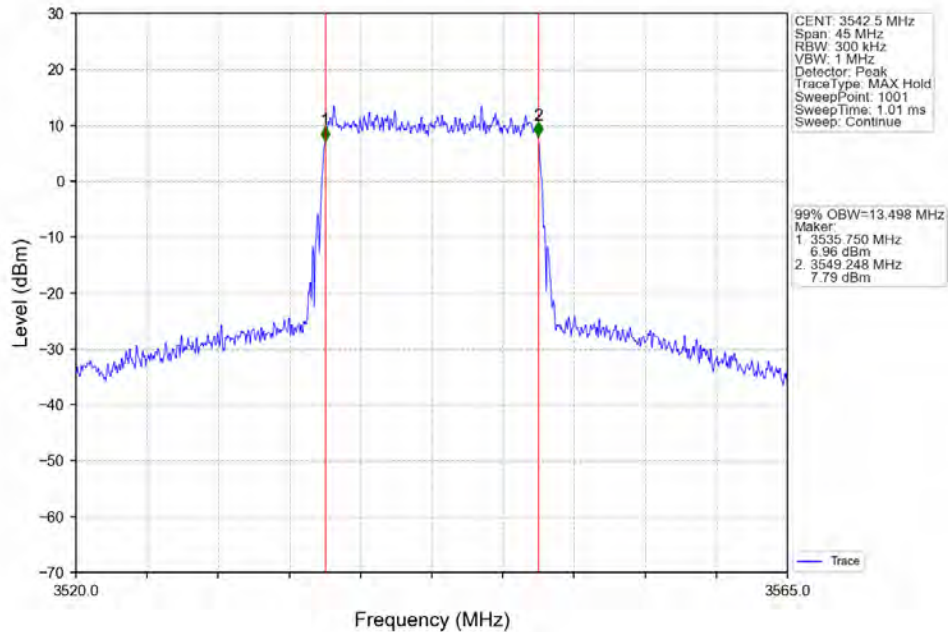
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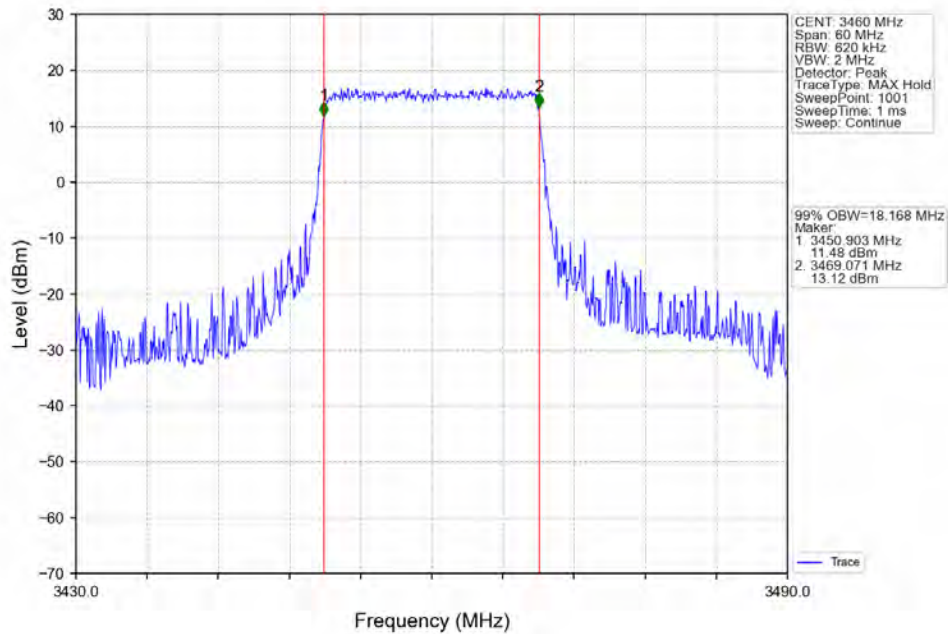
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Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



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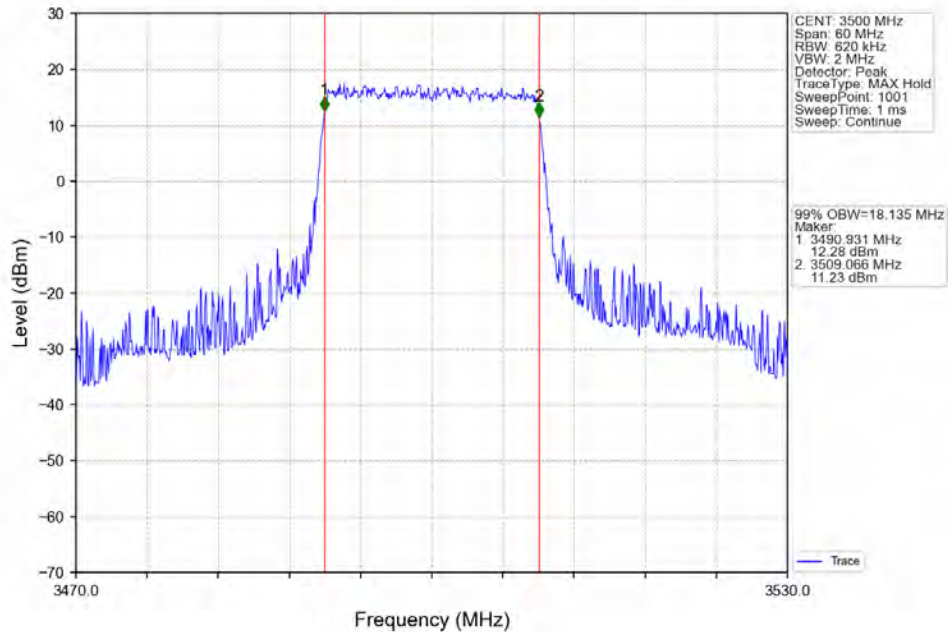
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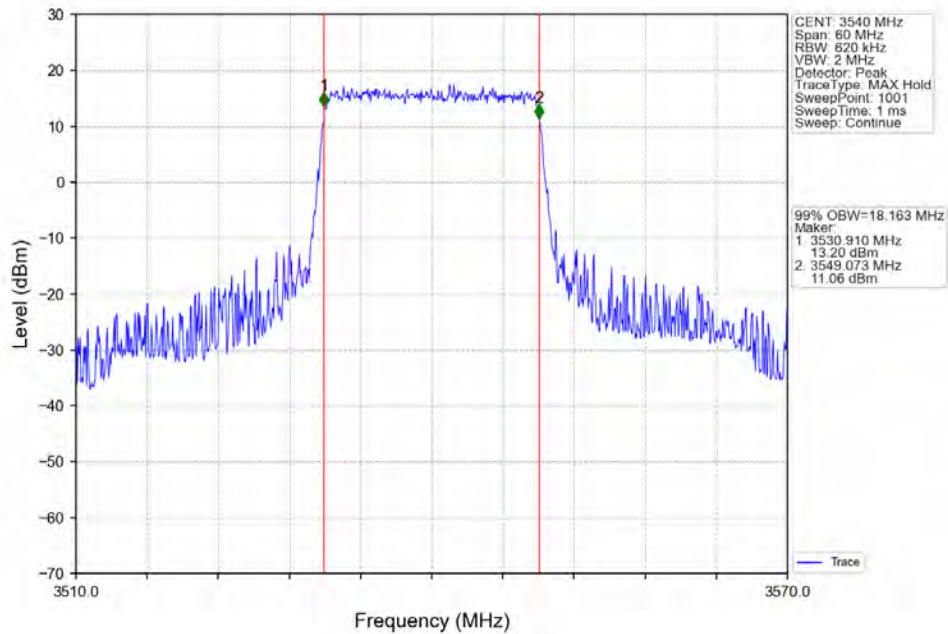
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Band42a_20MHz QPSK HCH 3540MHz_RB_100_0_NTNV



Band42a_20MHz 16QAM LCH 3460MHz_RB_100_0_NTNV



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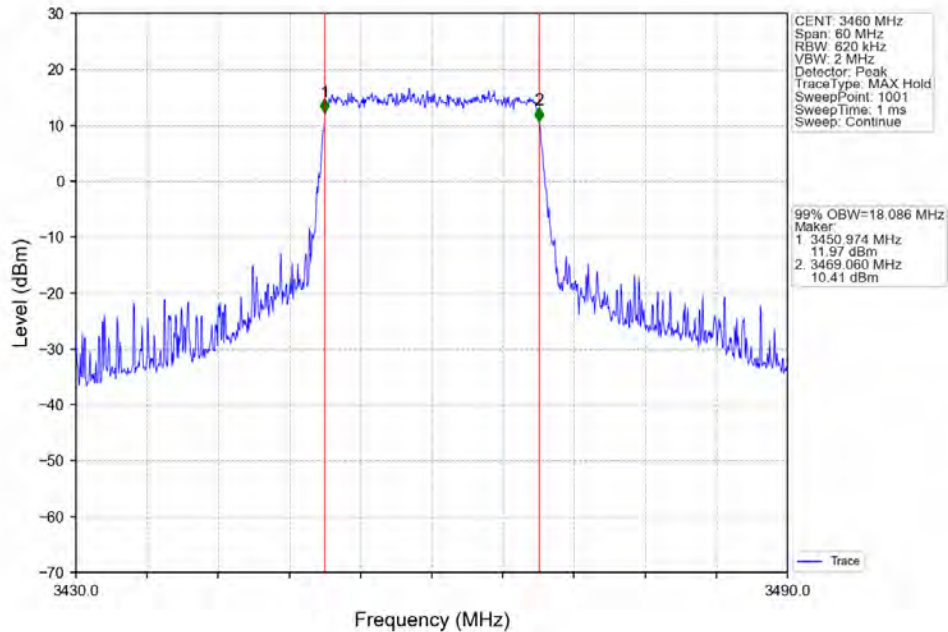
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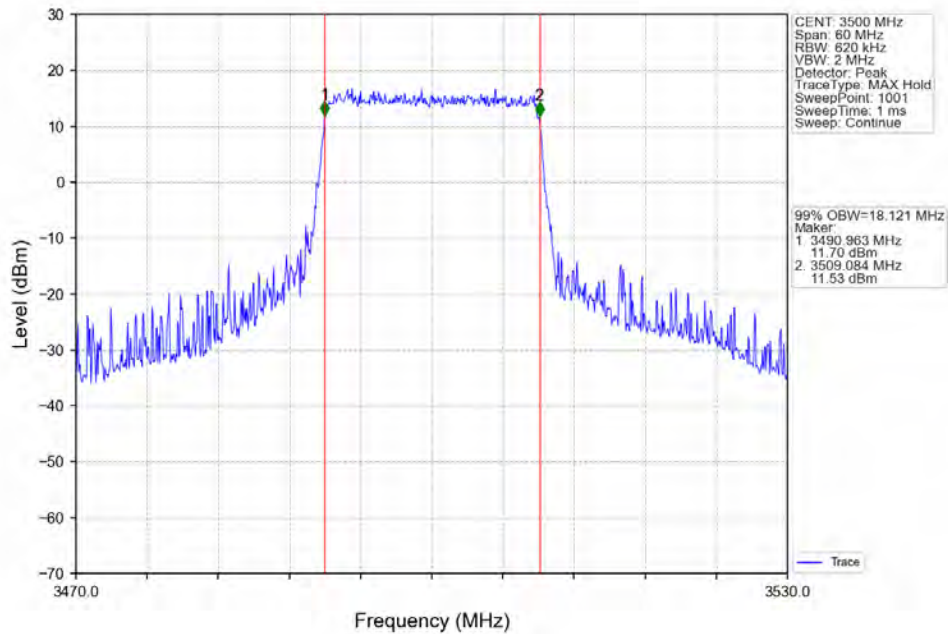
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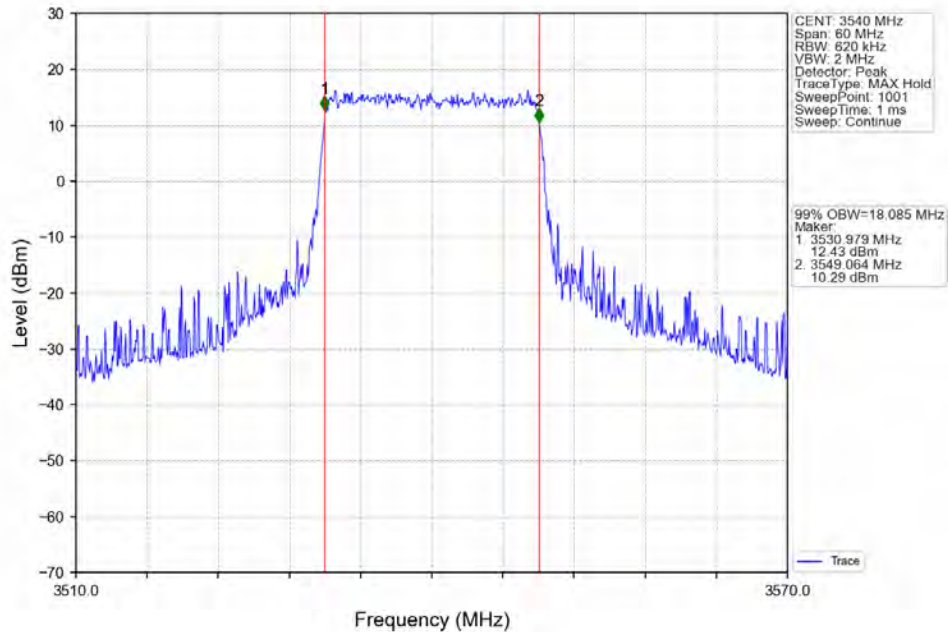
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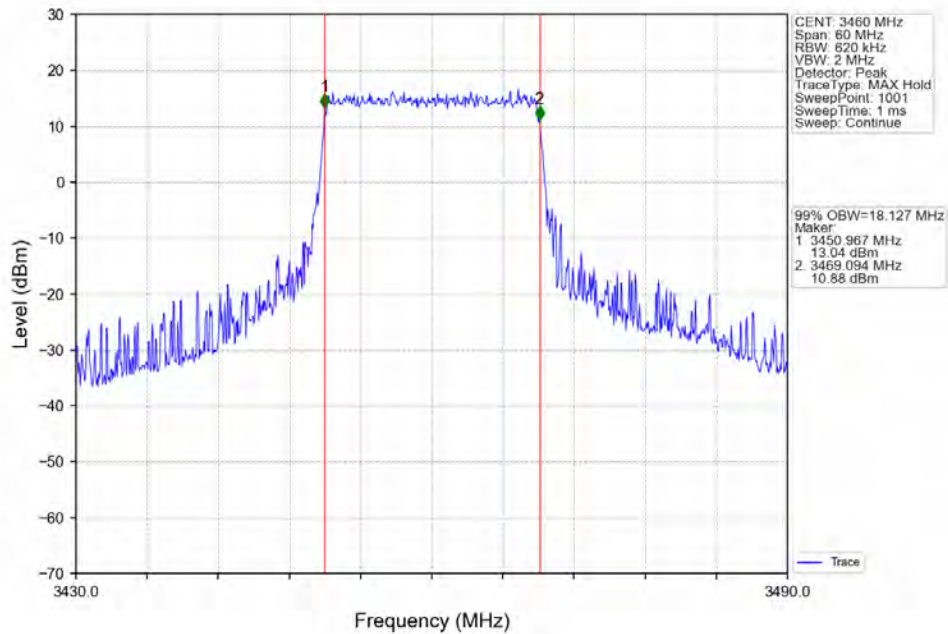
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Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTNV



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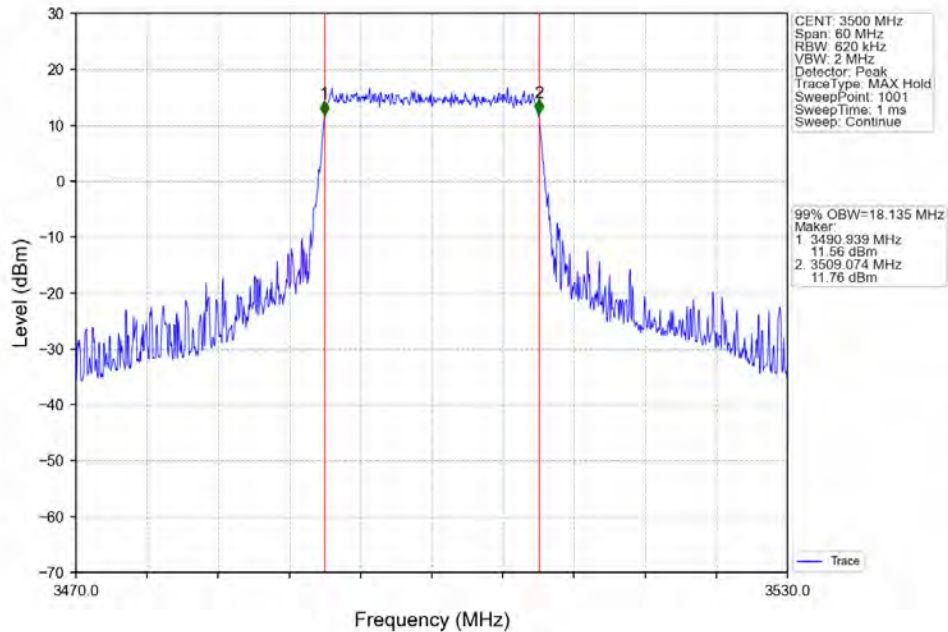
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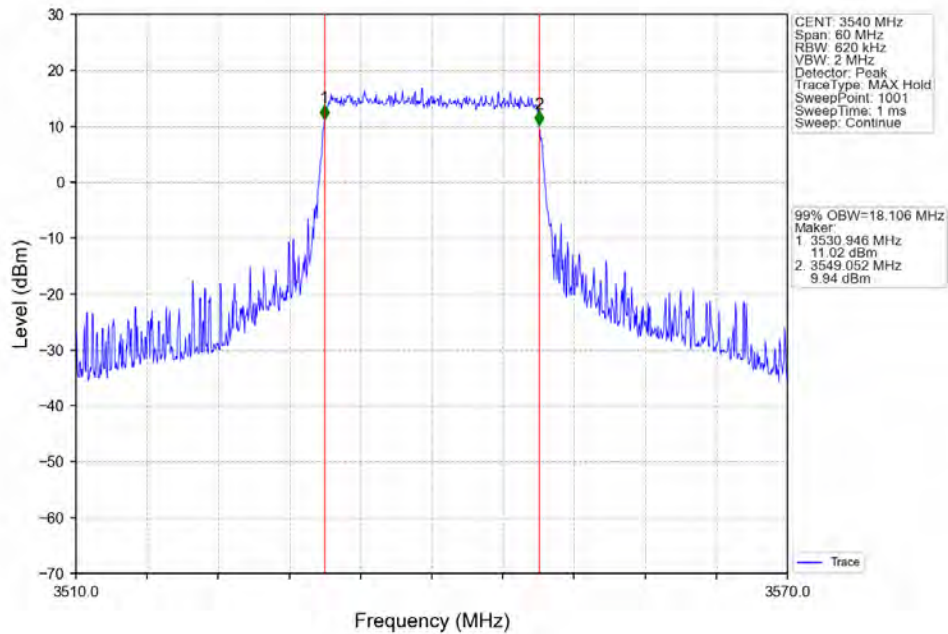
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Band42a_20MHz_256QAM_LCH_3460MHz_RB_100_0_NTNV



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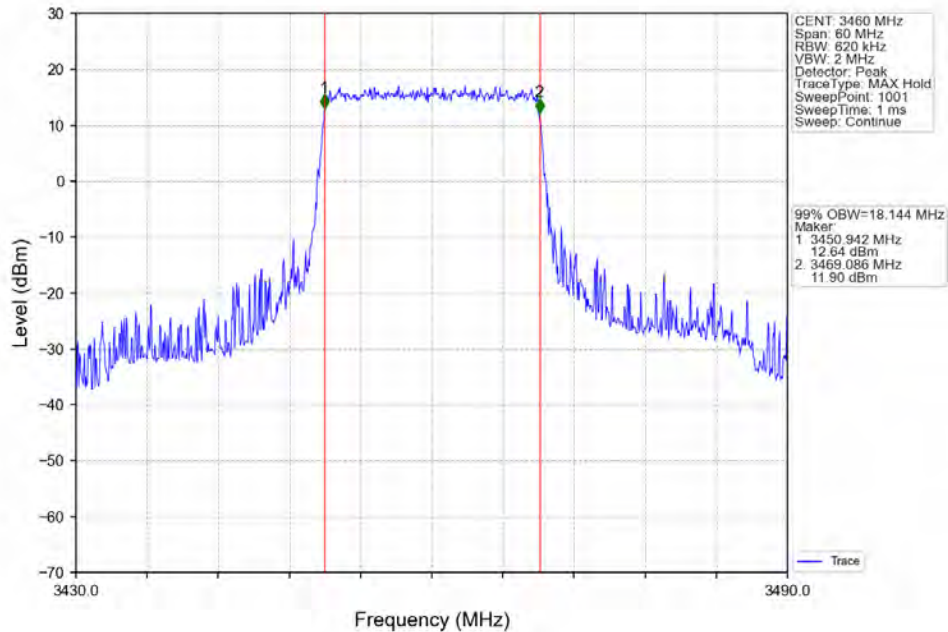
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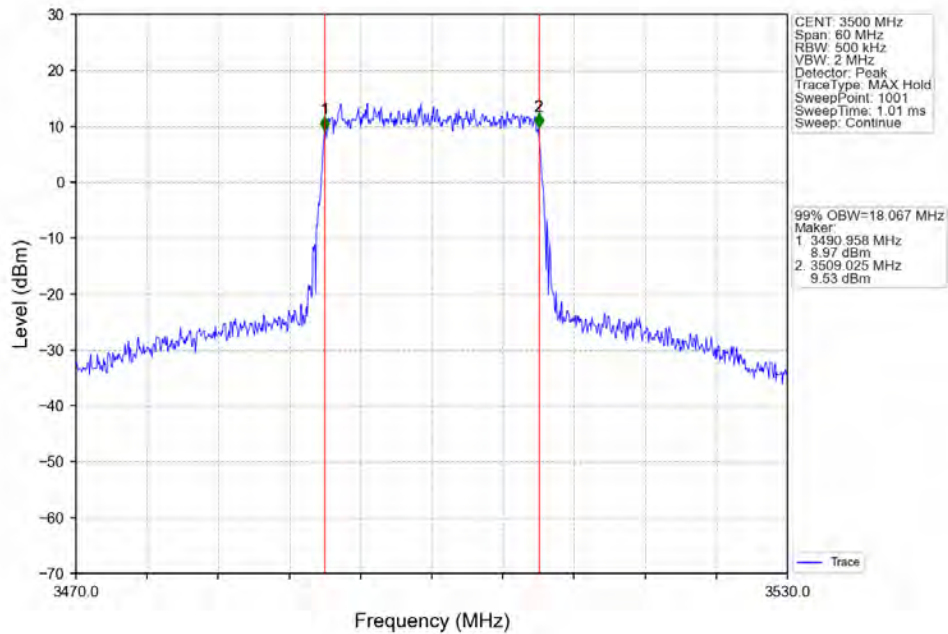
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Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



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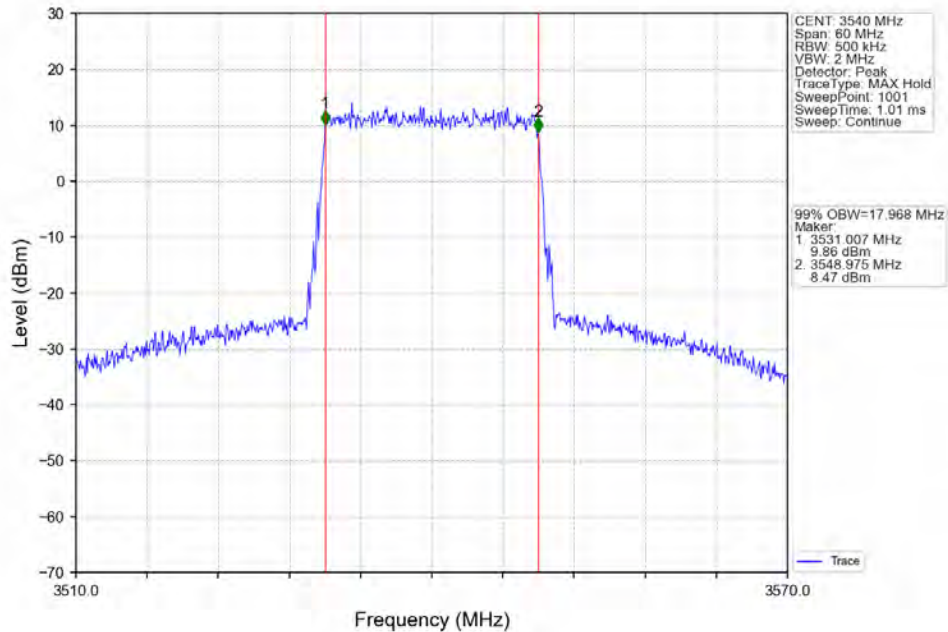
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3.2 Band42a_XDB

3.2.1 Test Result

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.223	/	Pass
		3500	25	0	5.223	/	Pass
		3547.5	25	0	5.203	/	Pass
	16QAM	3452.5	25	0	5.219	/	Pass
		3500	25	0	5.155	/	Pass
		3547.5	25	0	5.220	/	Pass
	64QAM	3452.5	25	0	5.178	/	Pass
		3500	25	0	5.208	/	Pass
		3547.5	25	0	5.130	/	Pass
	256QAM	3452.5	25	0	5.258	/	Pass
		3500	25	0	5.195	/	Pass
		3547.5	25	0	5.174	/	Pass
10	QPSK	3455	50	0	10.281	/	Pass
		3500	50	0	10.652	/	Pass
		3545	50	0	10.281	/	Pass
	16QAM	3455	50	0	10.227	/	Pass
		3500	50	0	10.613	/	Pass
		3545	50	0	10.083	/	Pass
	64QAM	3455	50	0	10.196	/	Pass
		3500	50	0	10.696	/	Pass
		3545	50	0	10.348	/	Pass
	256QAM	3455	50	0	10.487	/	Pass
		3500	50	0	10.293	/	Pass
		3545	50	0	10.229	/	Pass
15	QPSK	3457.5	75	0	15.885	/	Pass
		3500	75	0	15.175	/	Pass
		3542.5	75	0	15.191	/	Pass
	16QAM	3457.5	75	0	15.124	/	Pass
		3500	75	0	15.352	/	Pass
		3542.5	75	0	15.265	/	Pass
	64QAM	3457.5	75	0	15.106	/	Pass
		3500	75	0	15.637	/	Pass
		3542.5	75	0	15.261	/	Pass
	256QAM	3457.5	75	0	14.720	/	Pass
		3500	75	0	15.327	/	Pass
		3542.5	75	0	14.915	/	Pass
20	QPSK	3460	100	0	21.217	/	Pass
		3500	100	0	20.429	/	Pass
		3540	100	0	20.055	/	Pass



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	16QAM	3460	100	0	20.391	/	Pass
		3500	100	0	20.753	/	Pass
		3540	100	0	20.745	/	Pass
	64QAM	3460	100	0	21.056	/	Pass
		3500	100	0	21.021	/	Pass
		3540	100	0	21.415	/	Pass
	256QAM	3460	100	0	20.994	/	Pass
		3500	100	0	20.011	/	Pass
		3540	100	0	19.890	/	Pass



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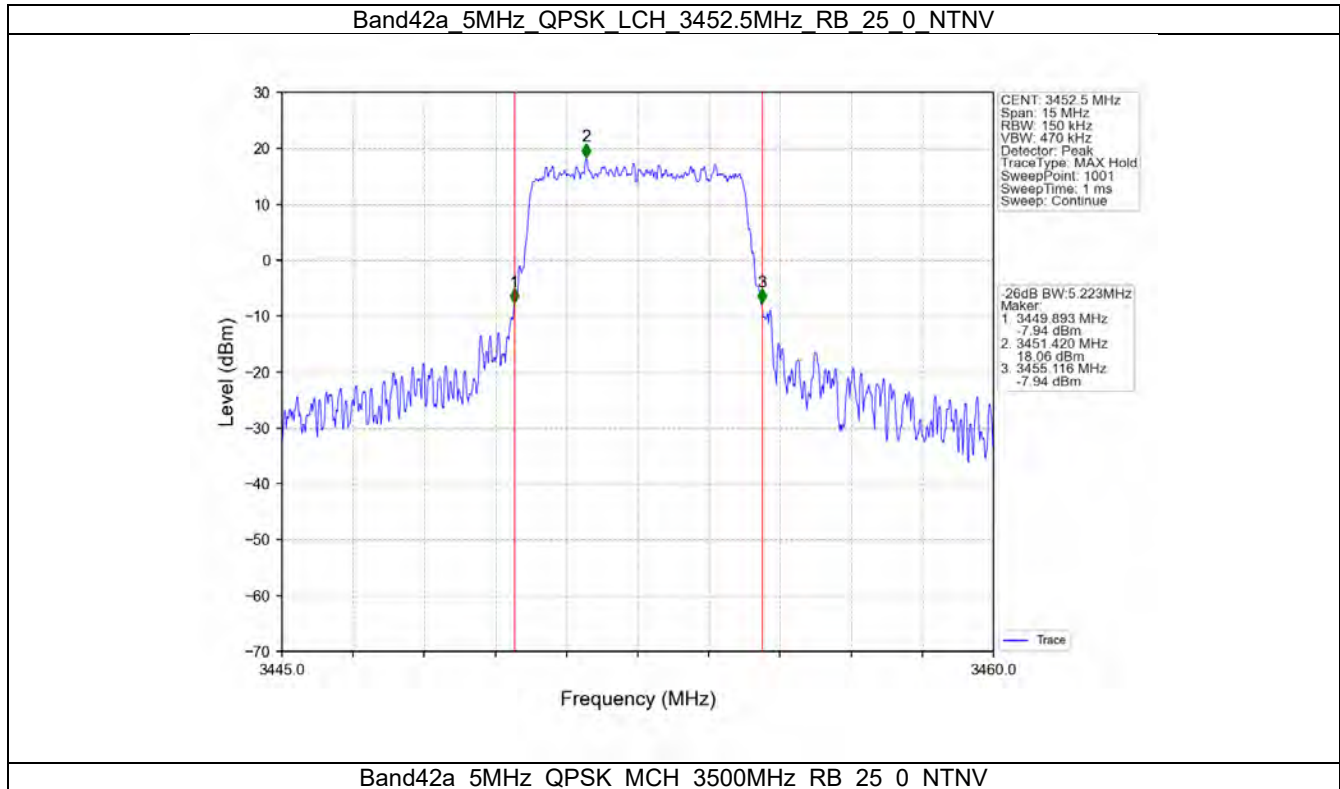
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3.2.2 Test Graph



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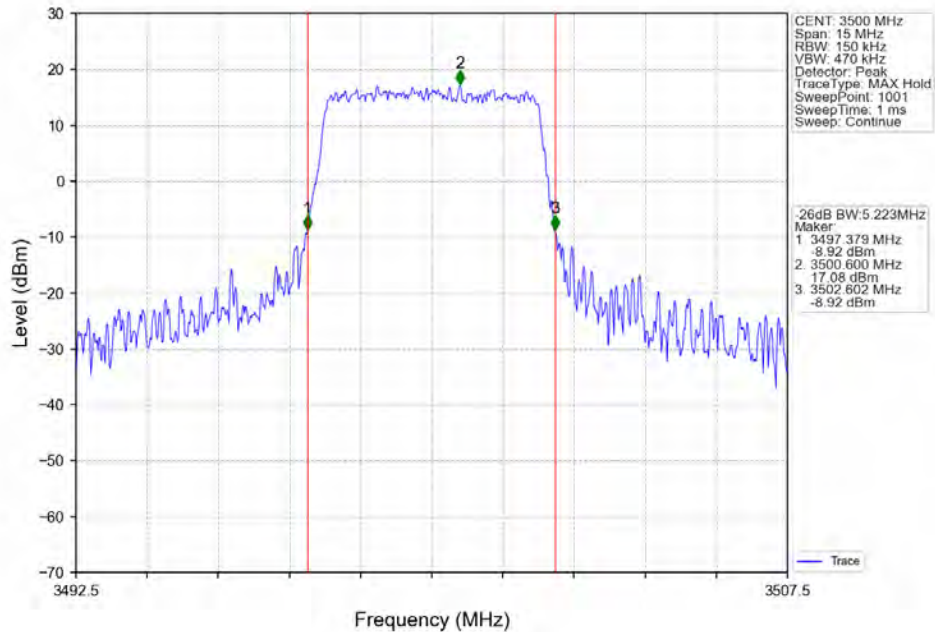
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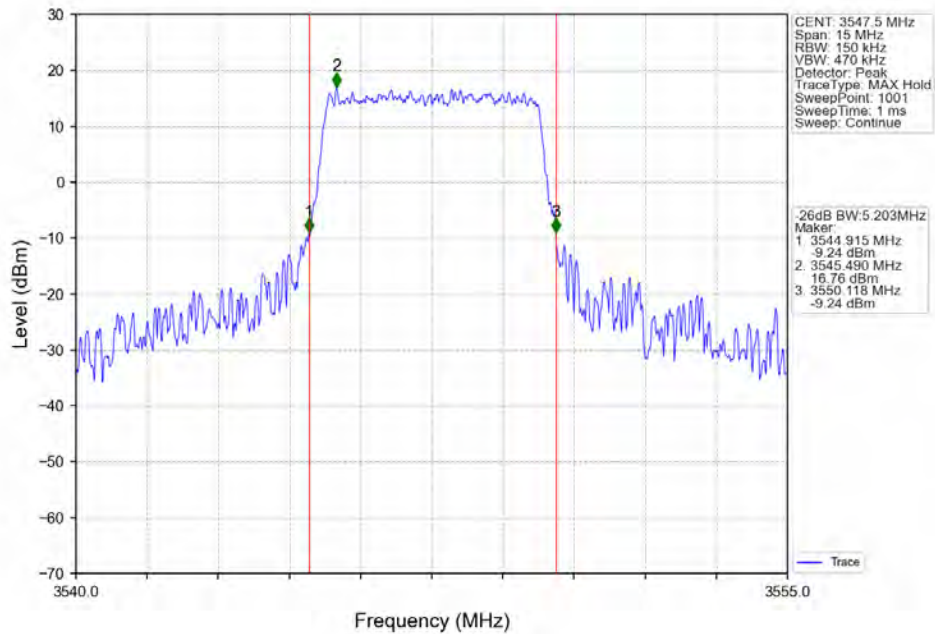
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Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



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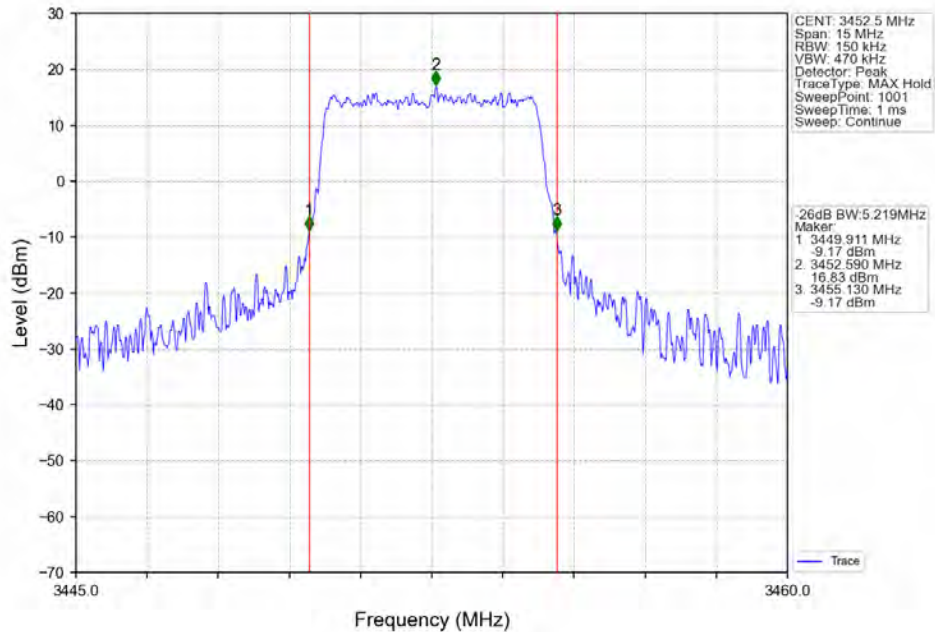
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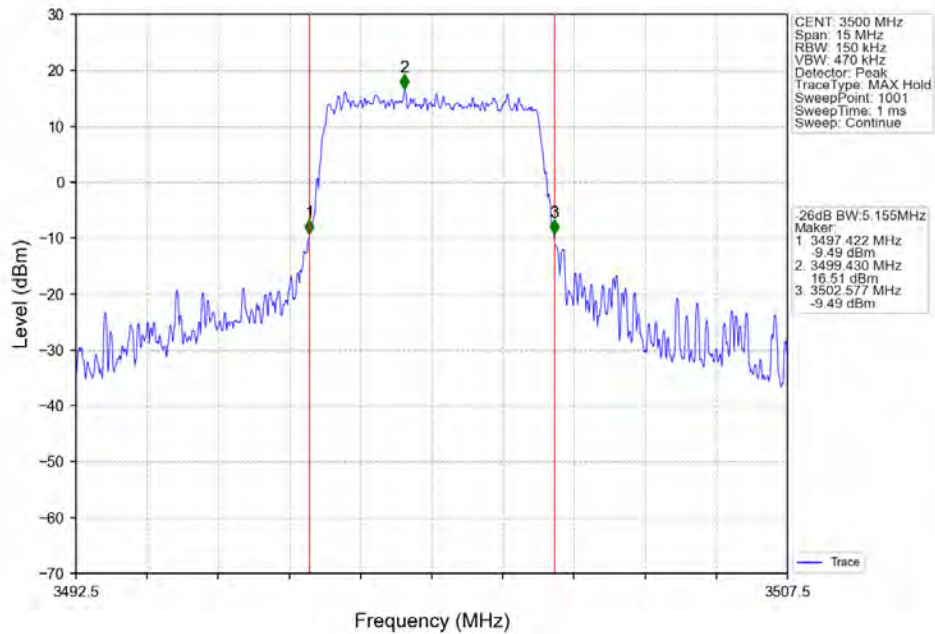
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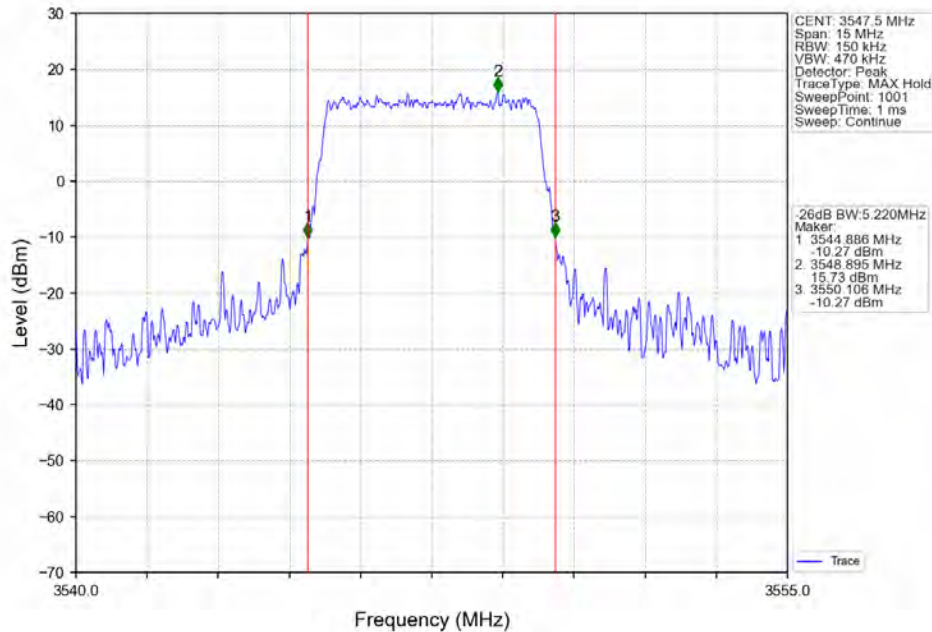
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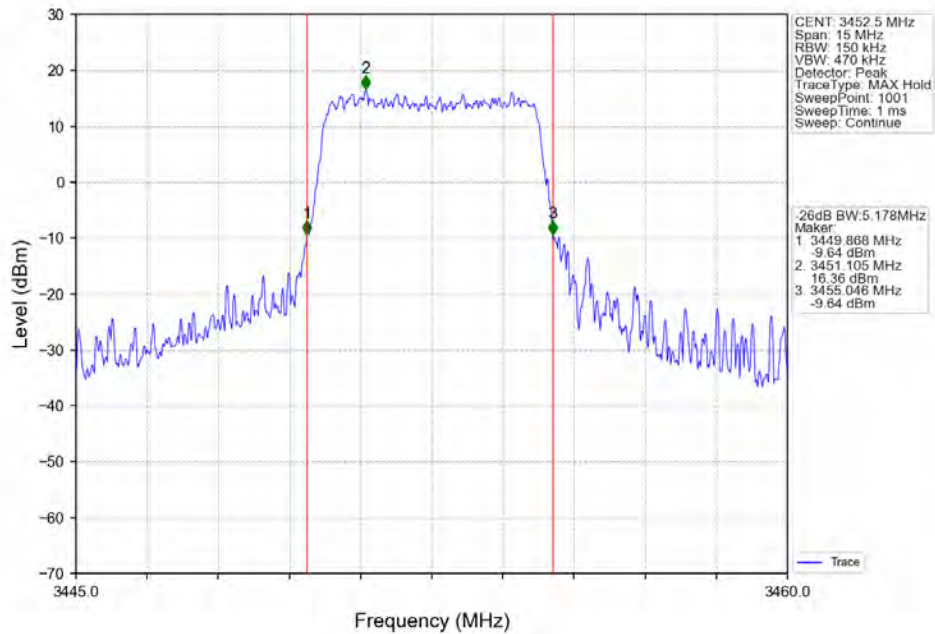
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Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



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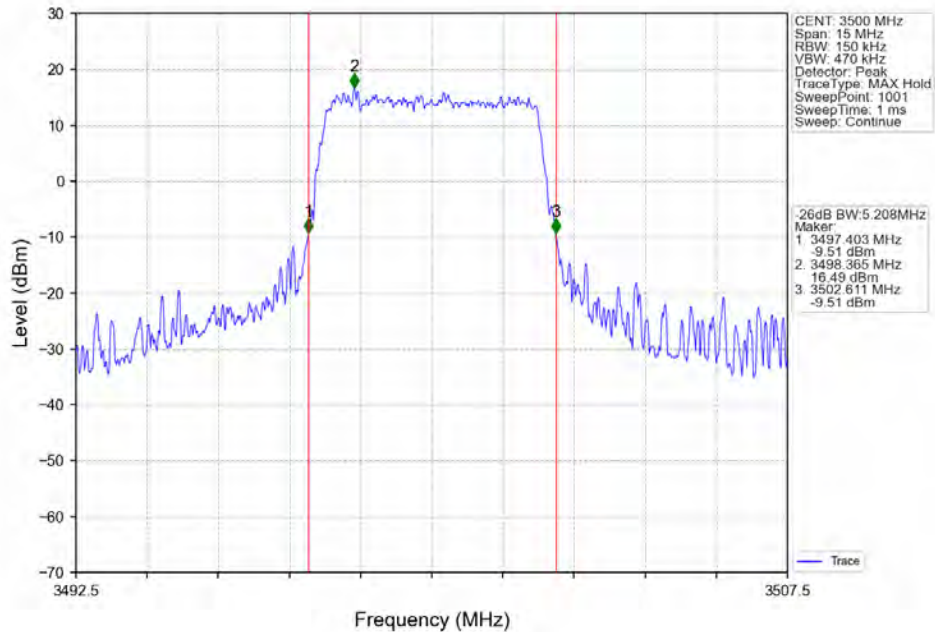
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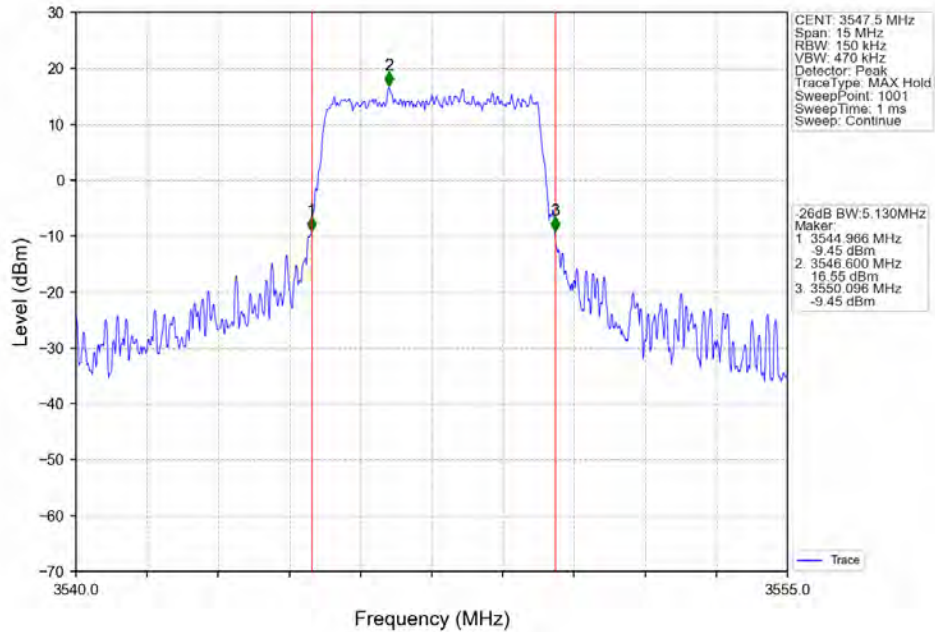
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Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



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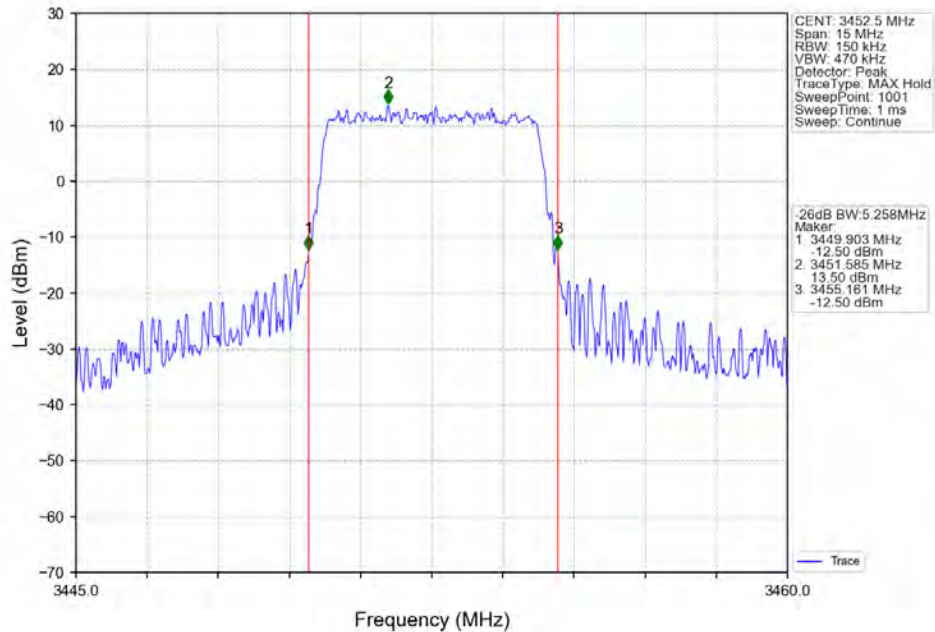
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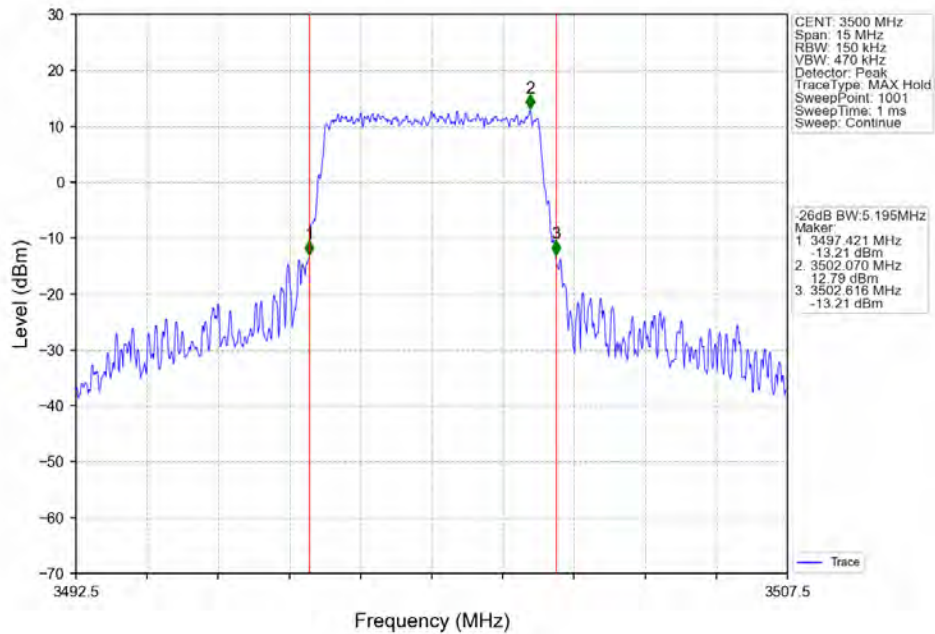
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Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



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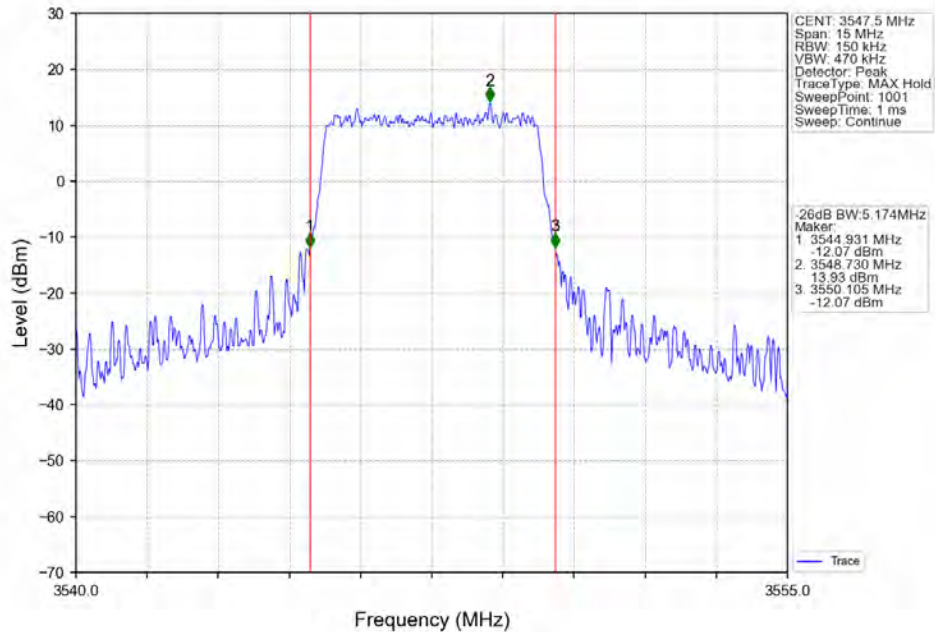
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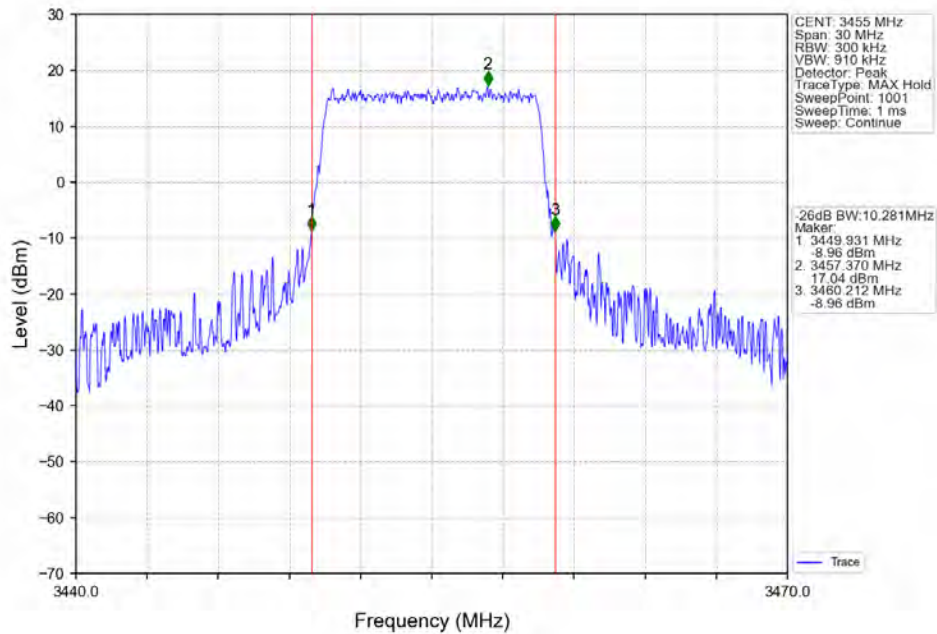
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Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTN



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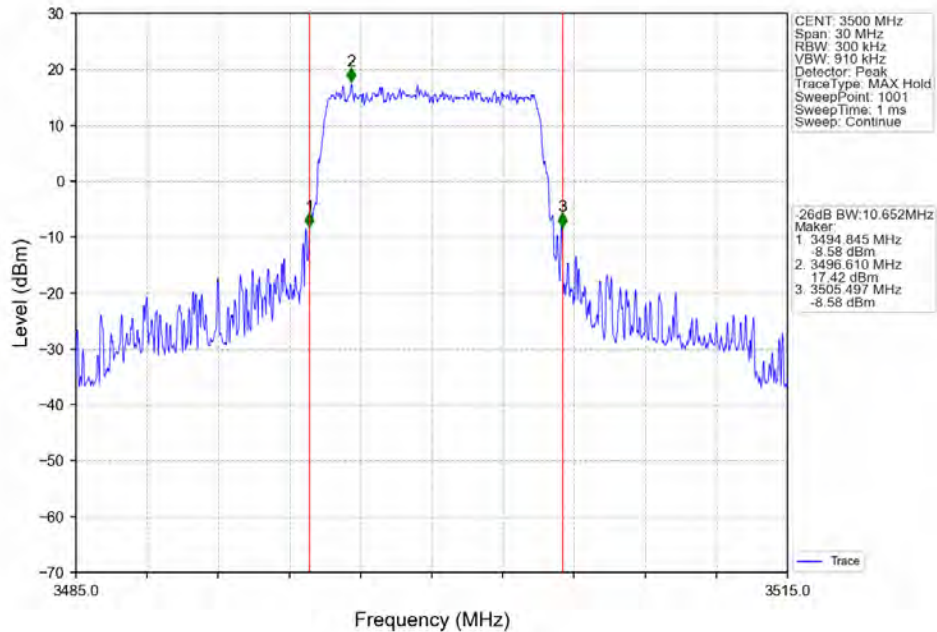
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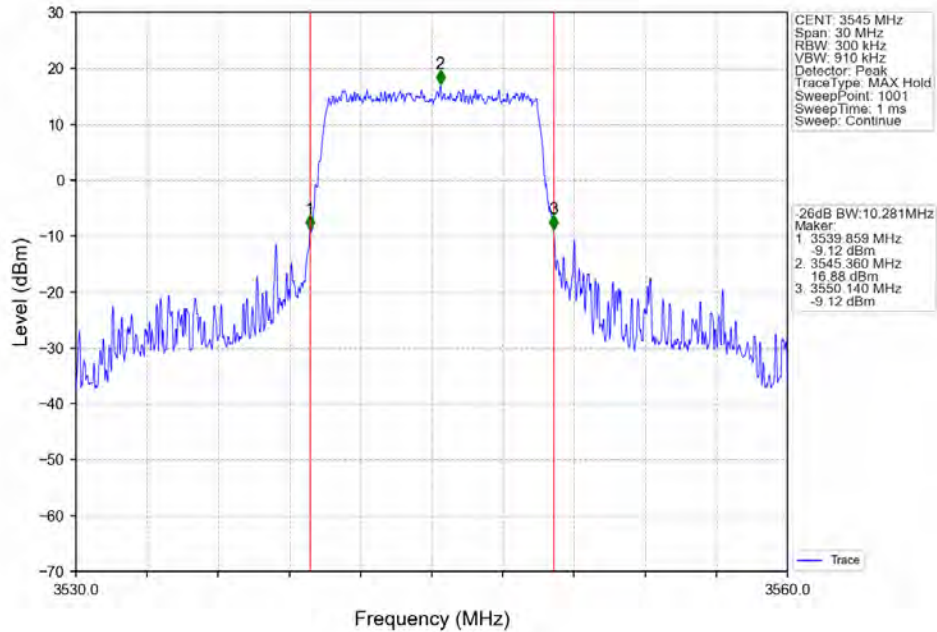
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Band42a_10MHz_16QAM_LCH_3545MHz_RB_50_0_NTNV



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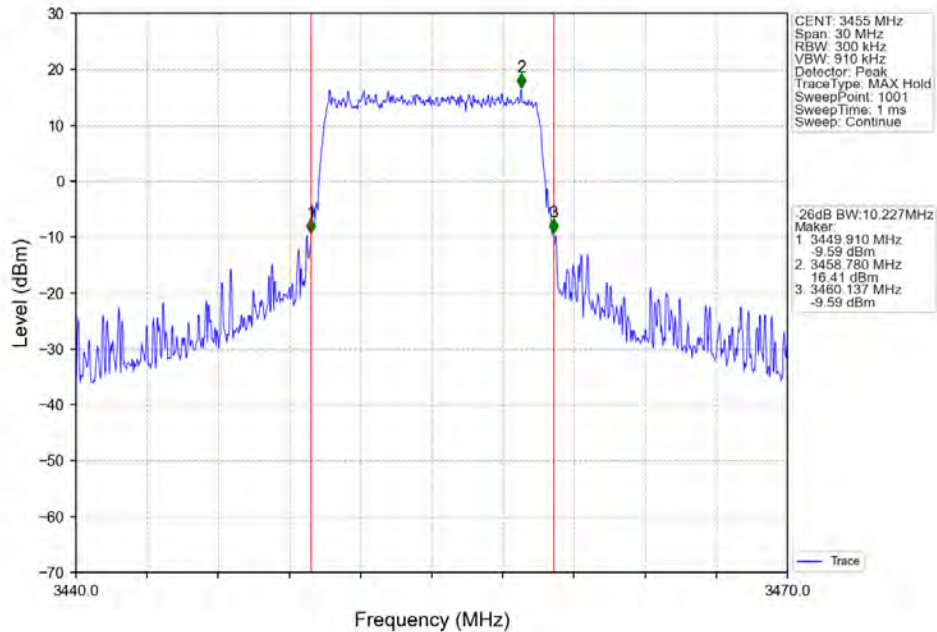
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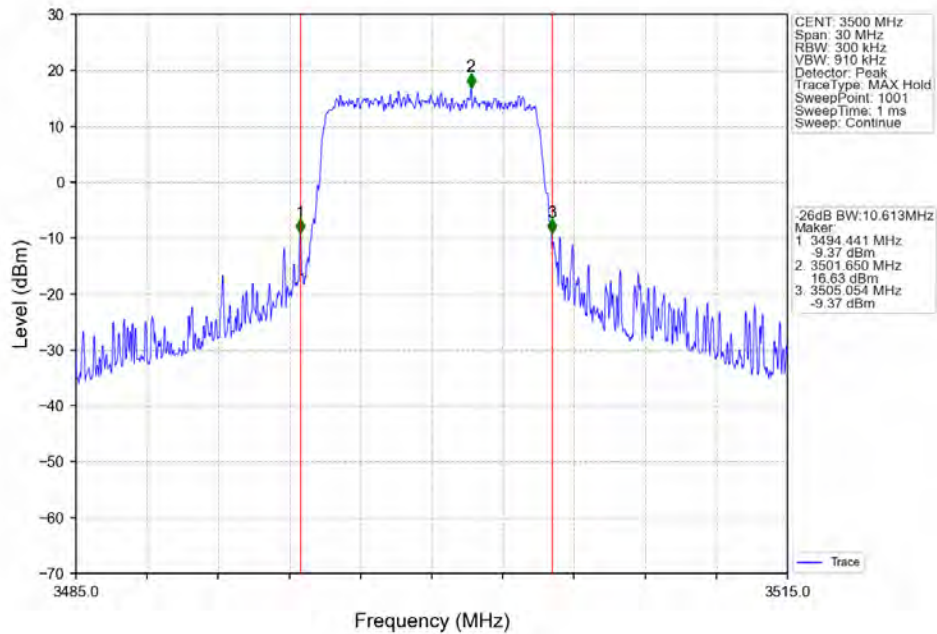
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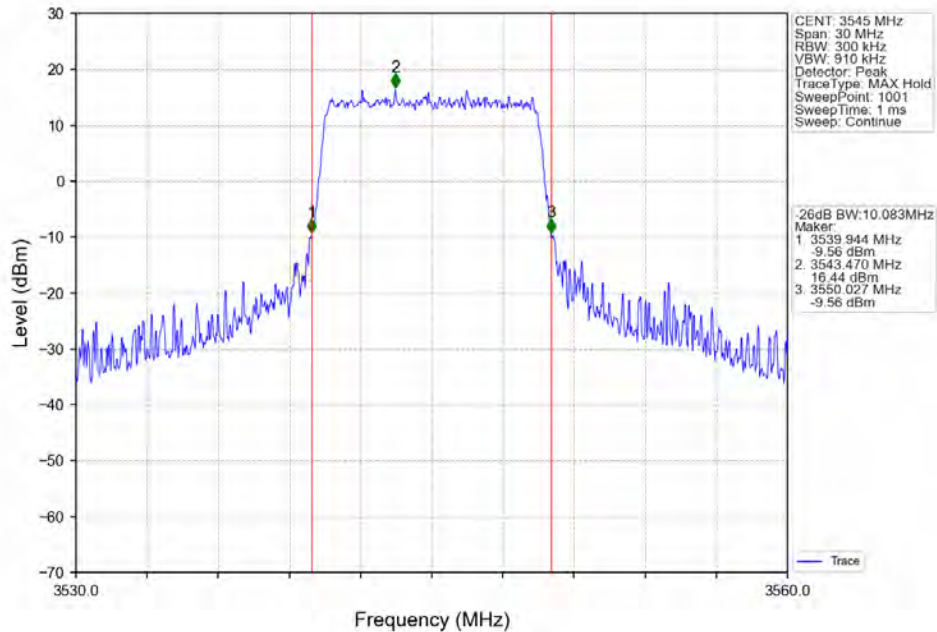
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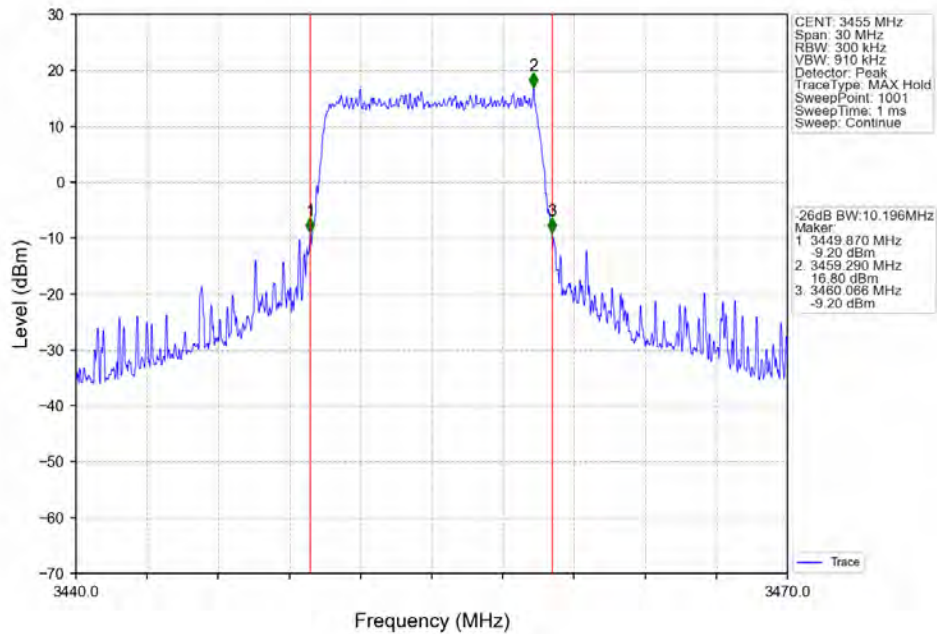
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Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



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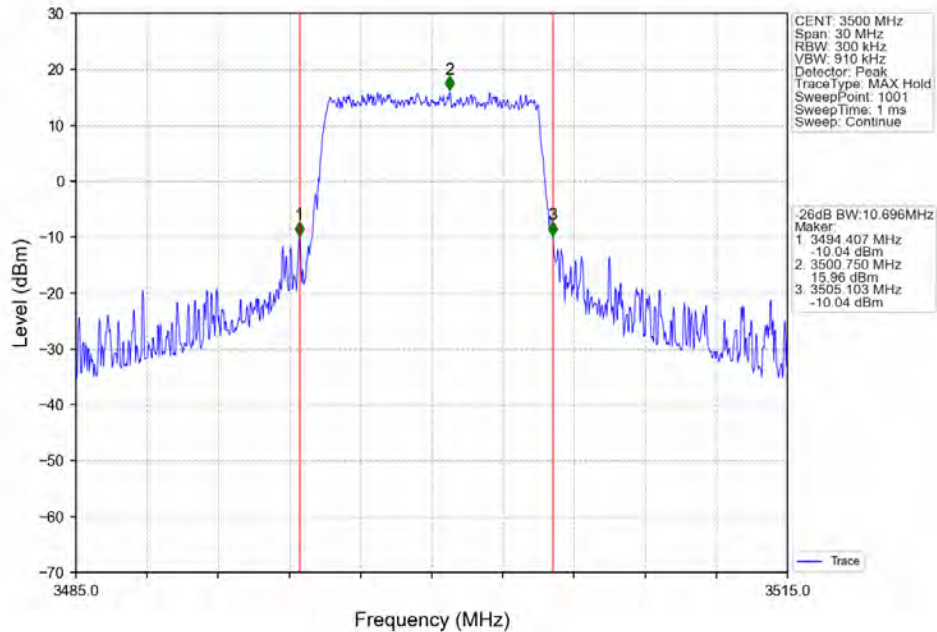
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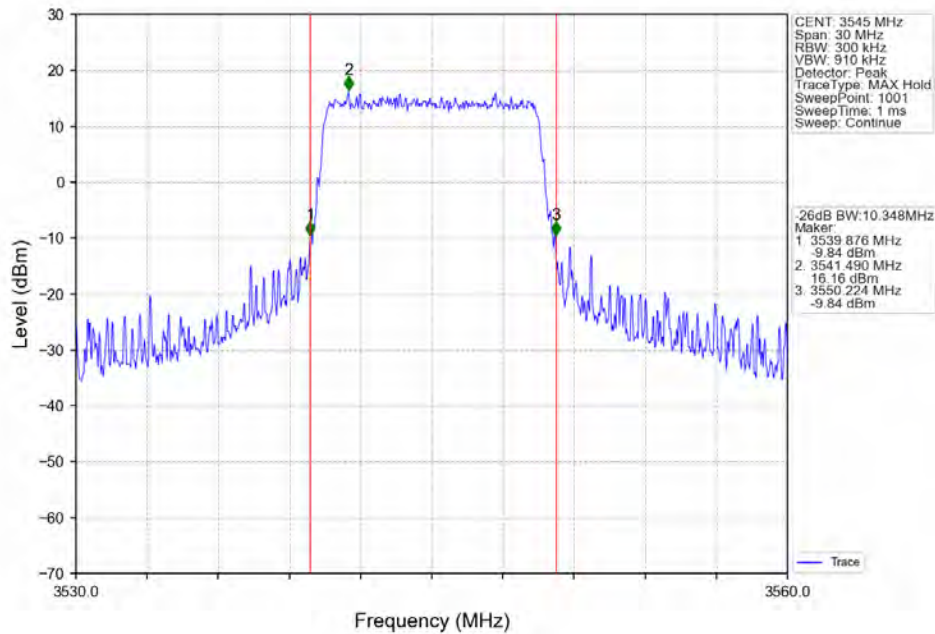
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Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



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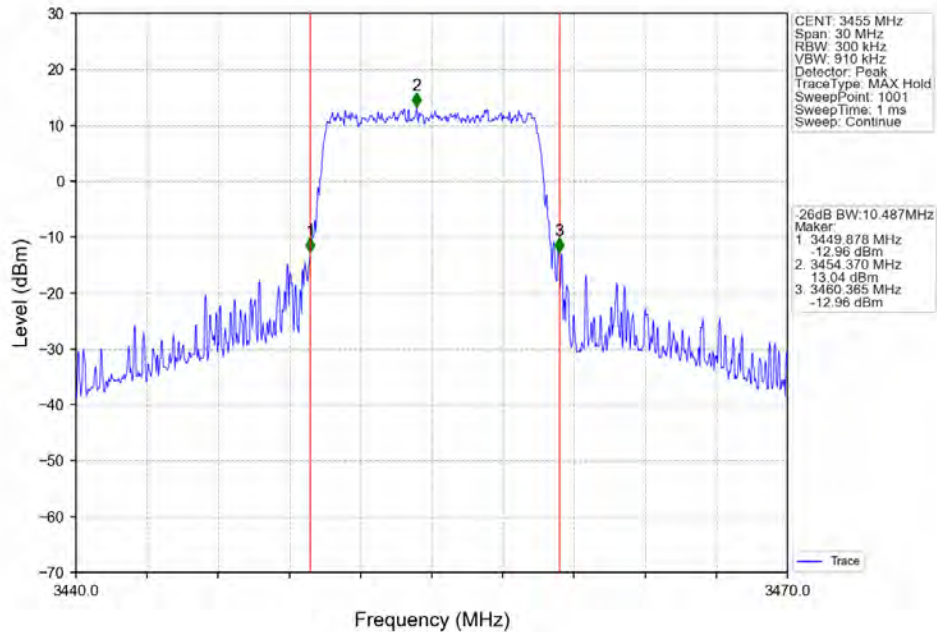
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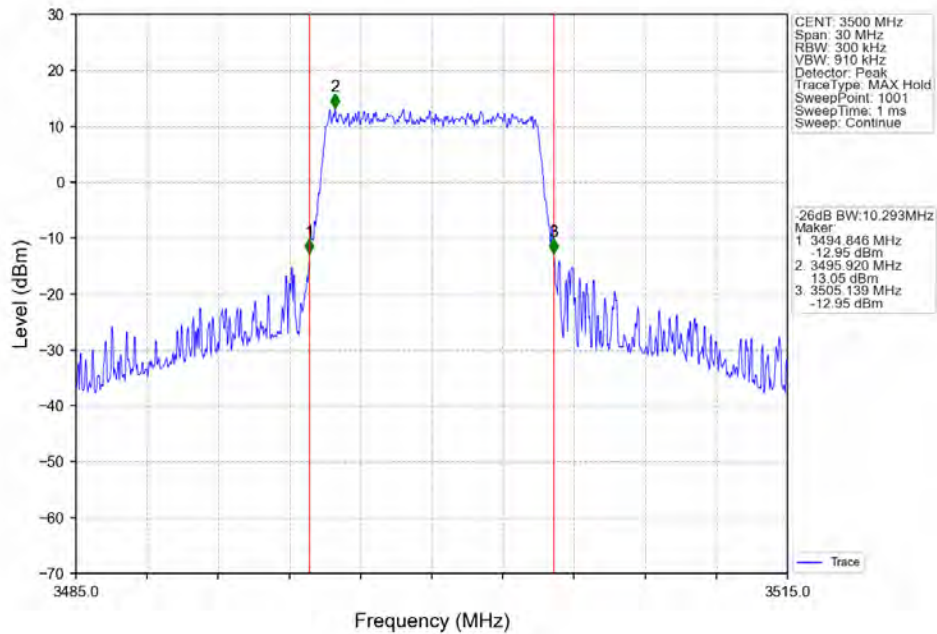
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Band42a_10MHz_256QAM_HCH_3545MHz_RB_50_0_NTNV



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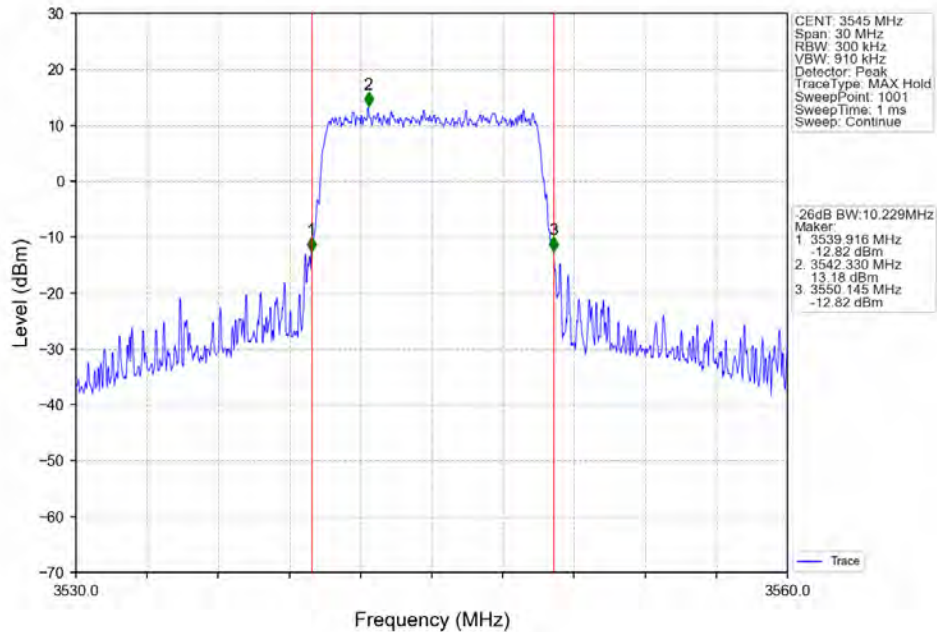
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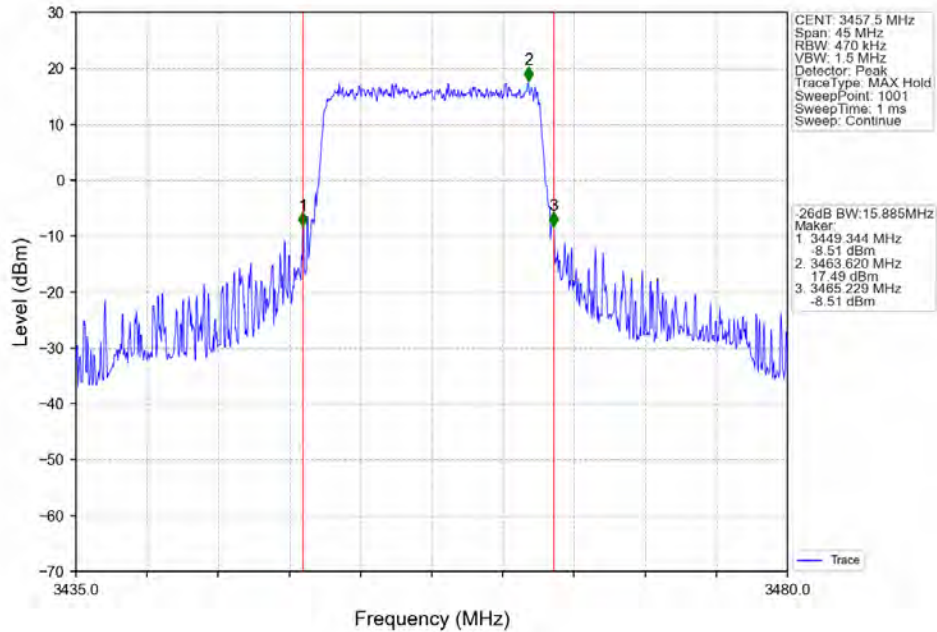
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Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



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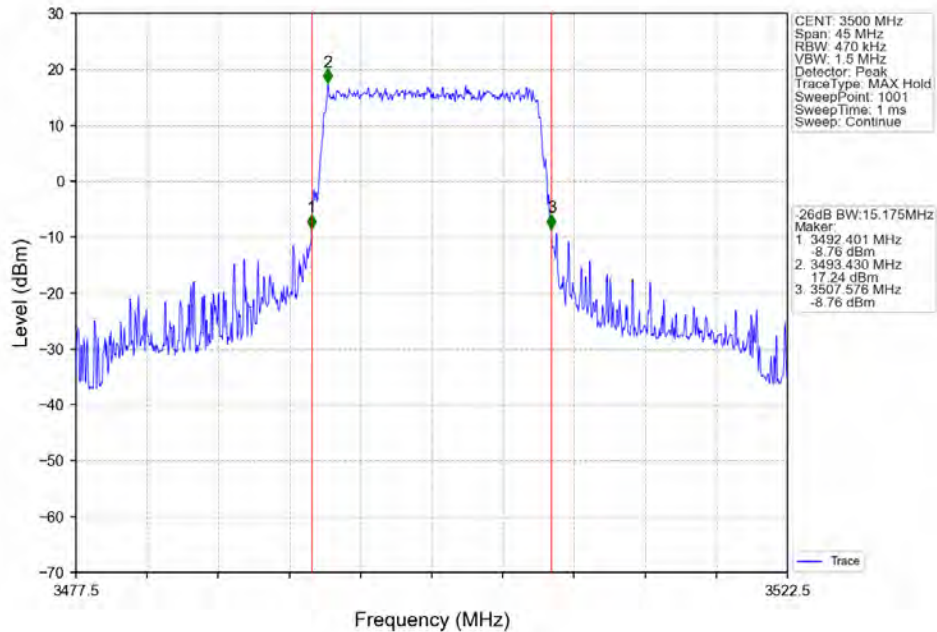
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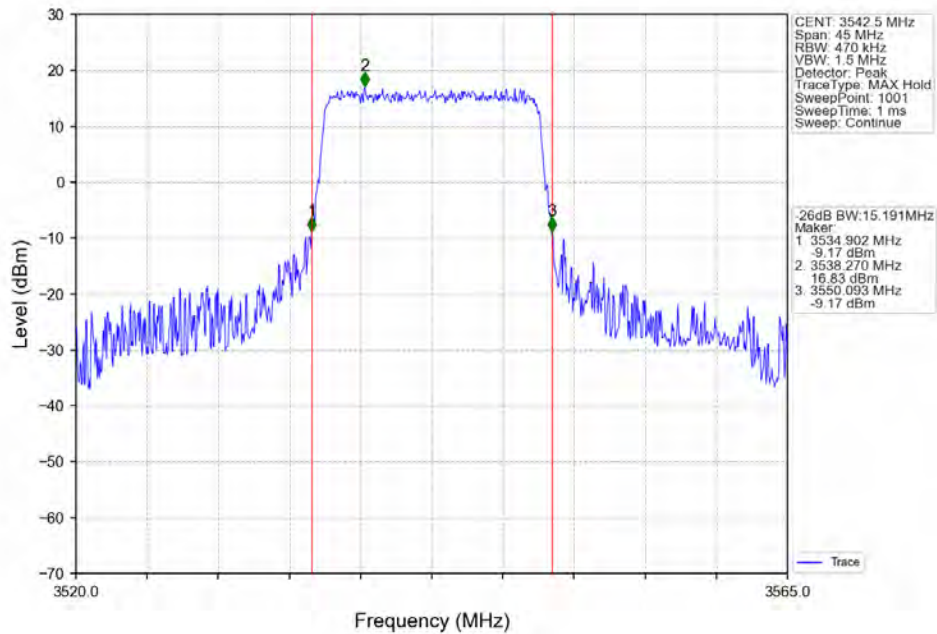
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Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



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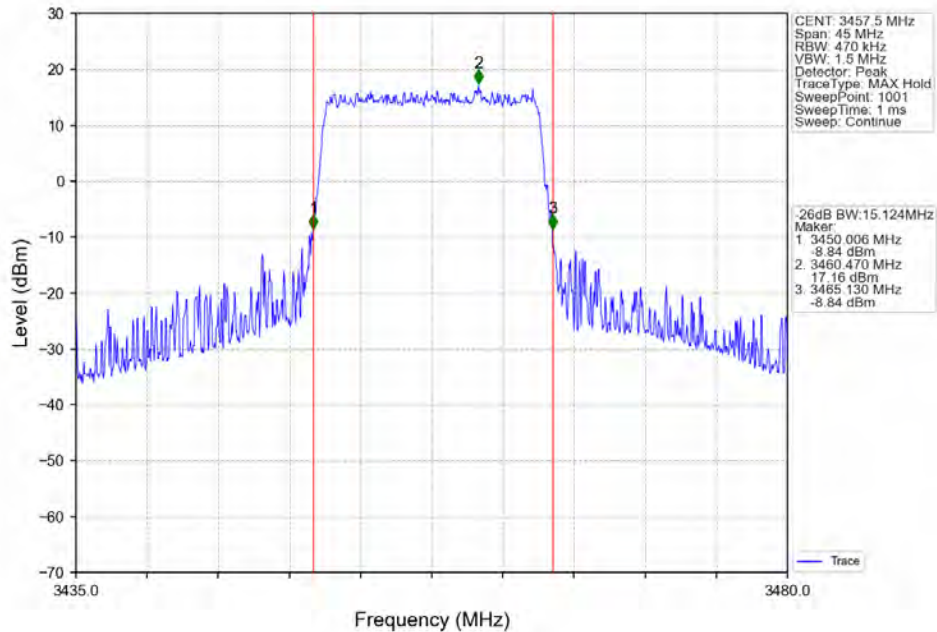
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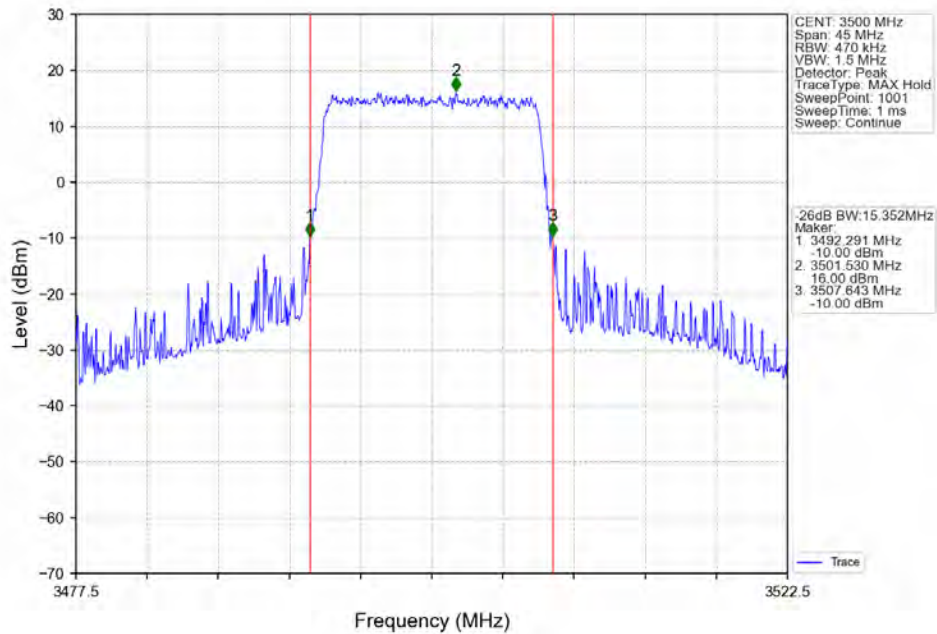
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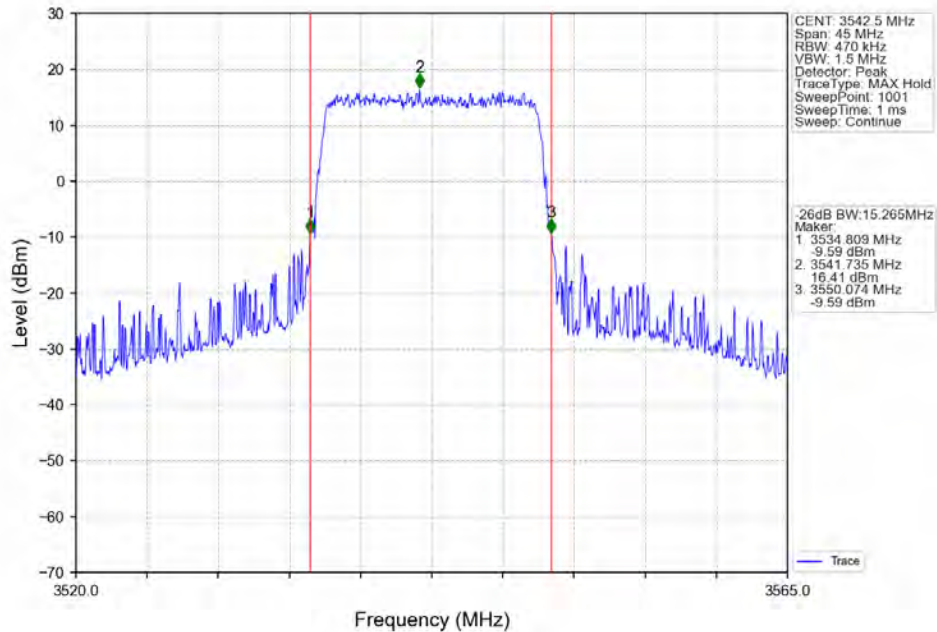
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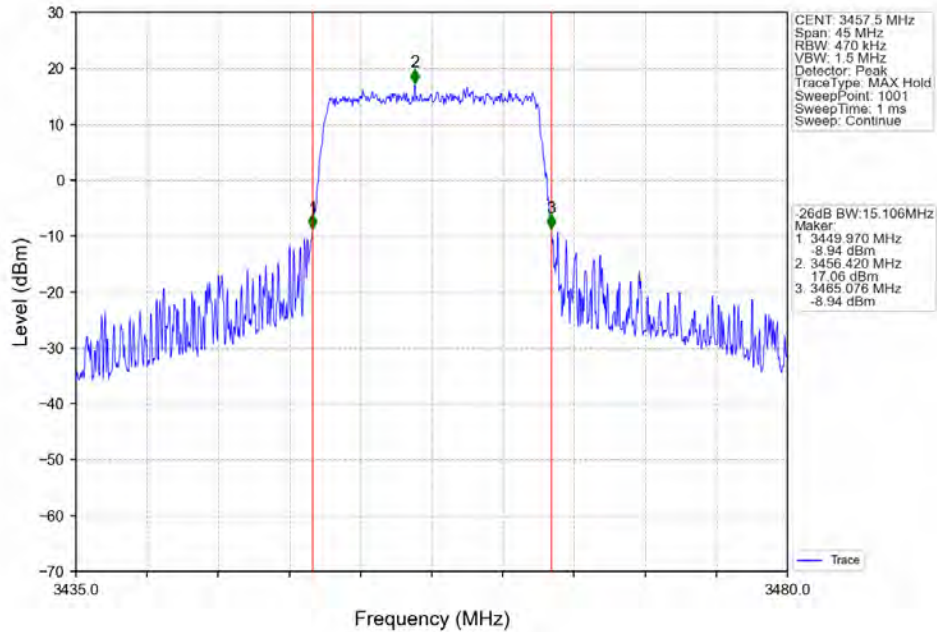
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



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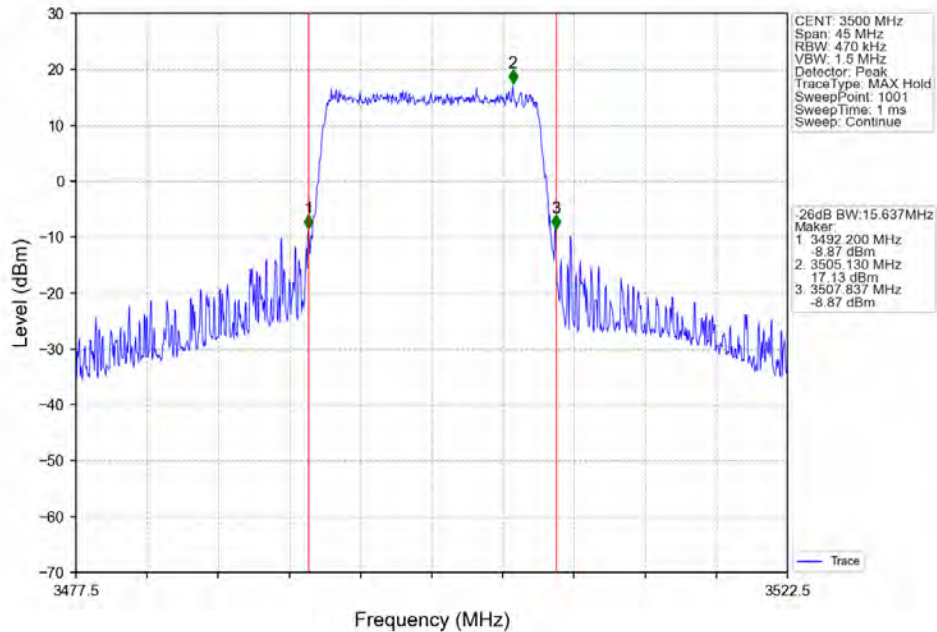
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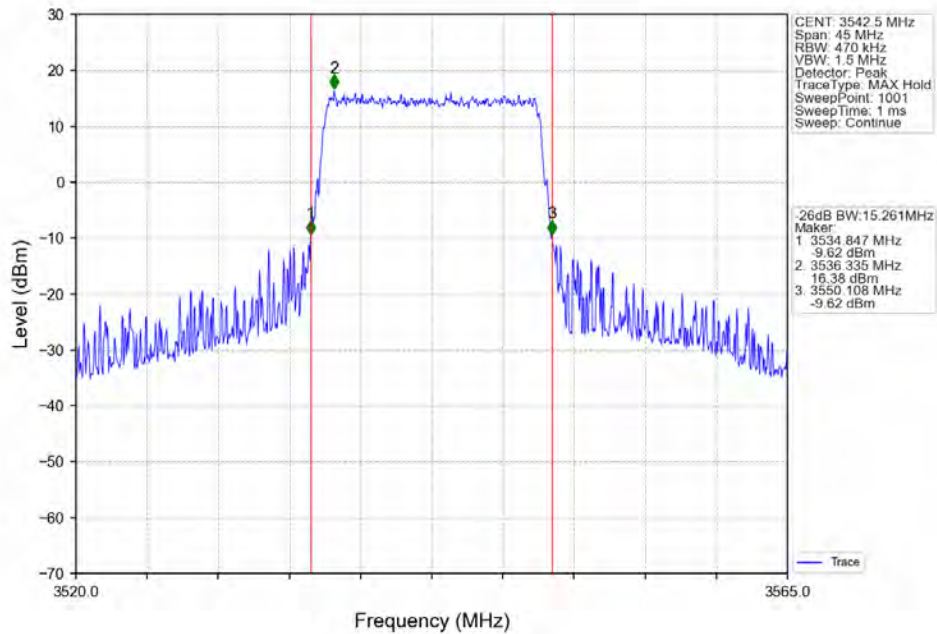
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Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_75_0_NTNV



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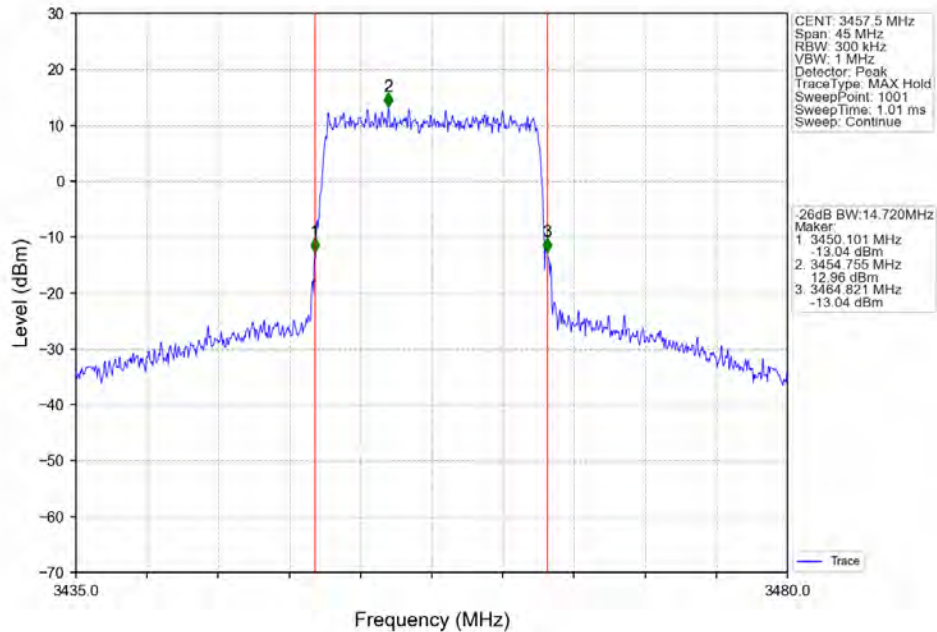
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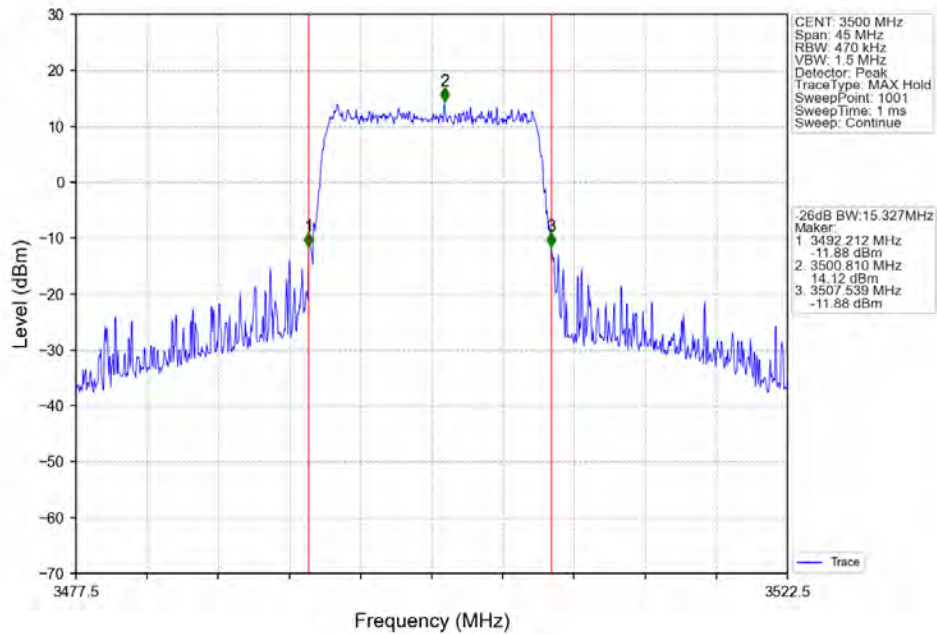
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Band42a_15MHz_256QAM_HCH_3542.5MHz_RB_75_0_NTNV



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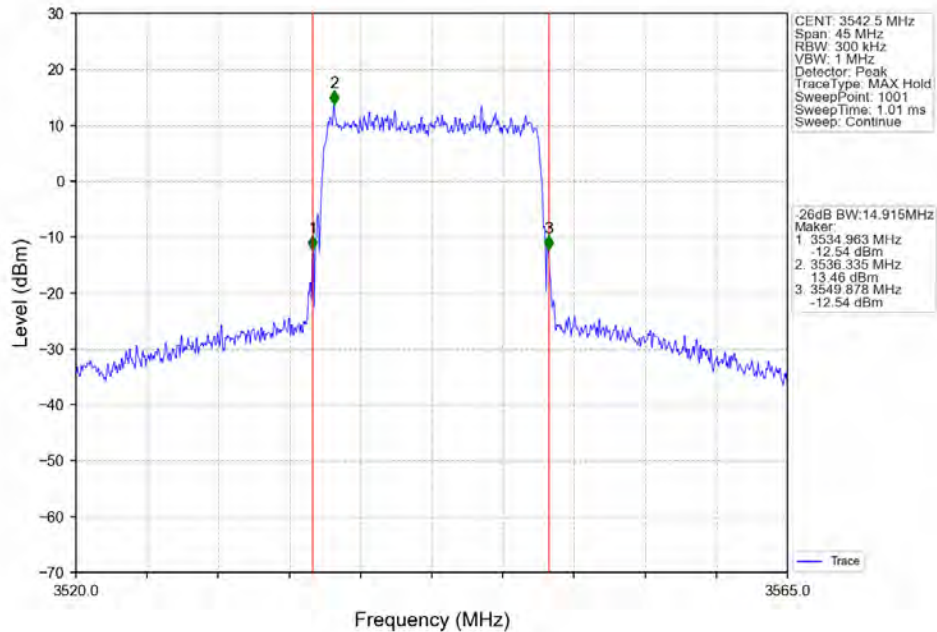
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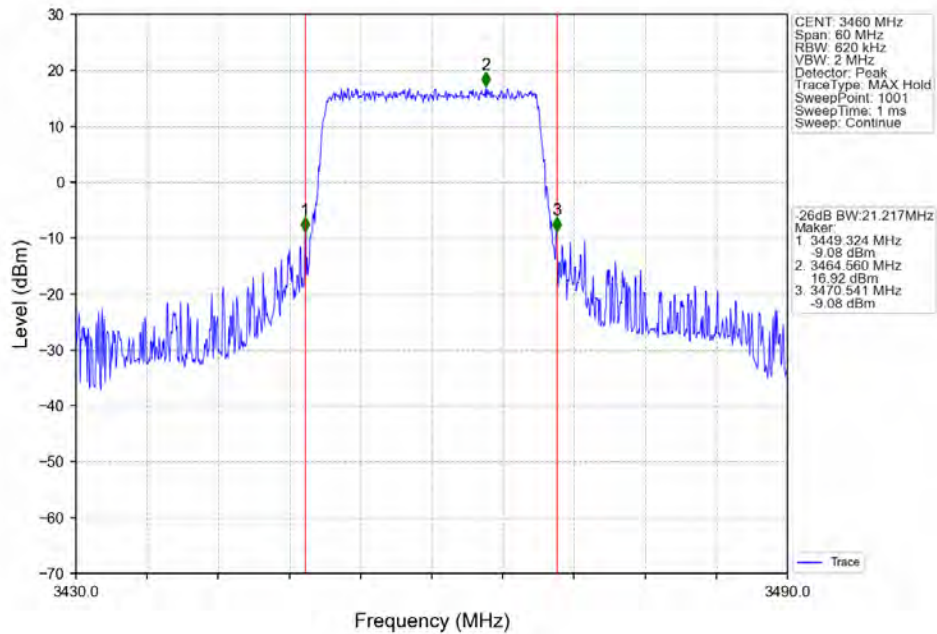
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Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



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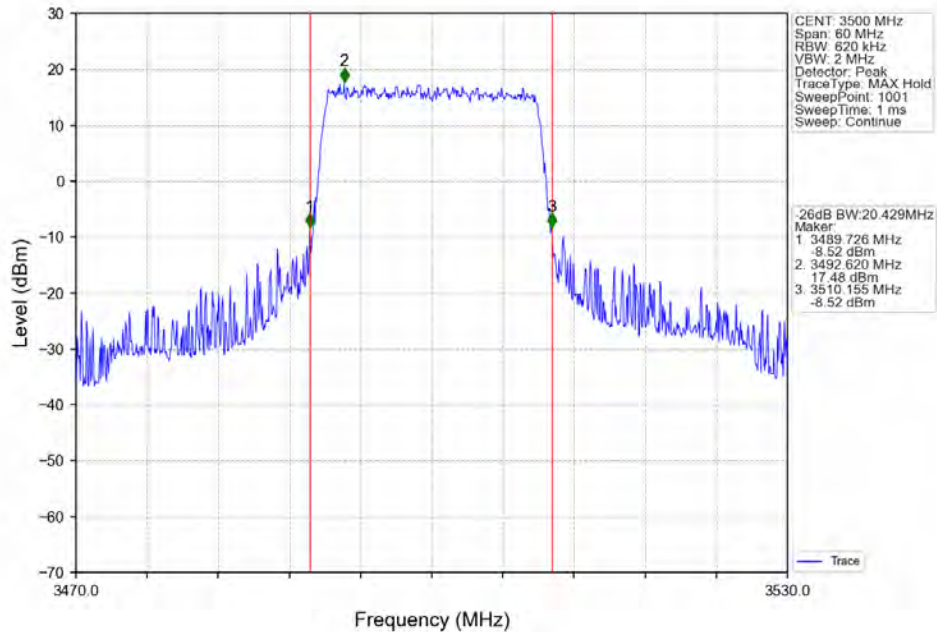
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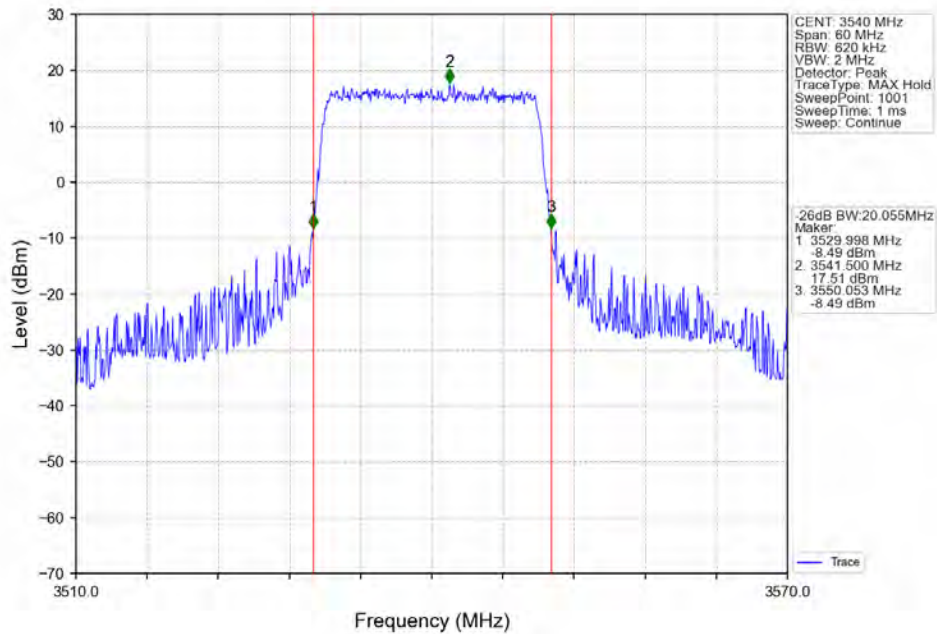
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Band42a_20MHz QPSK HCH 3540MHz_RB_100_0_NTNV



Band42a_20MHz 16QAM LCH 3460MHz_RB_100_0_NTNV



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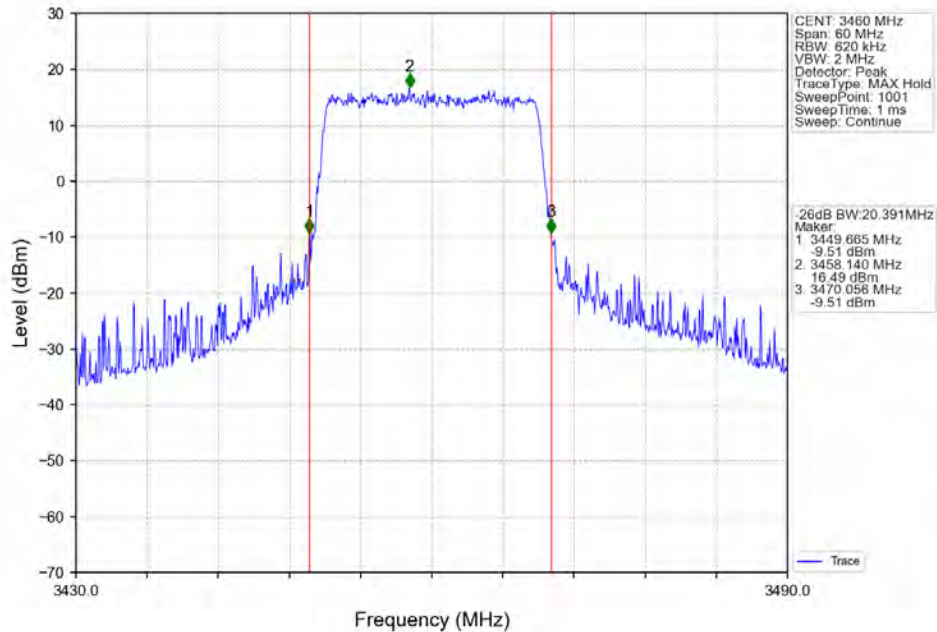
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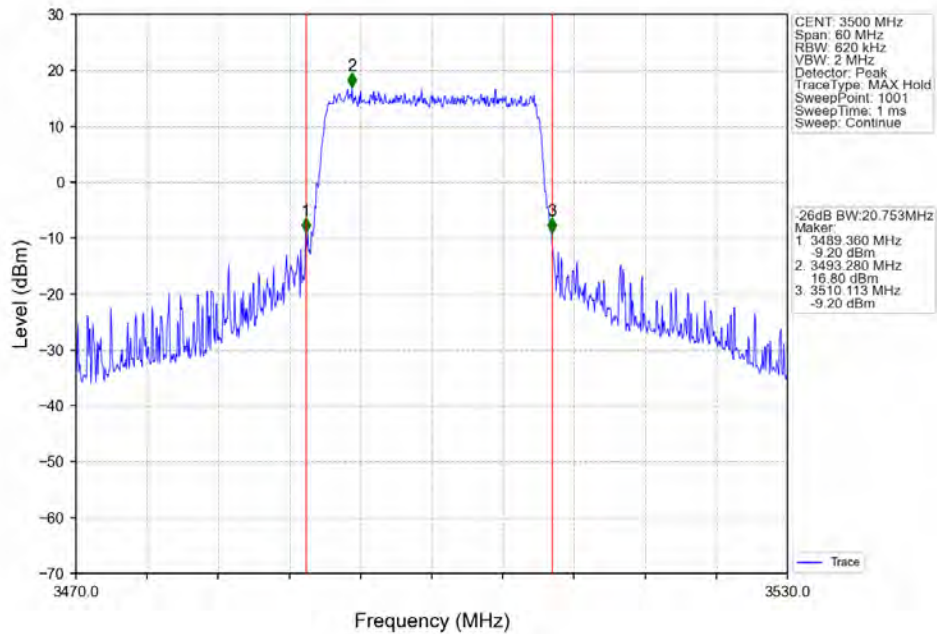
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Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



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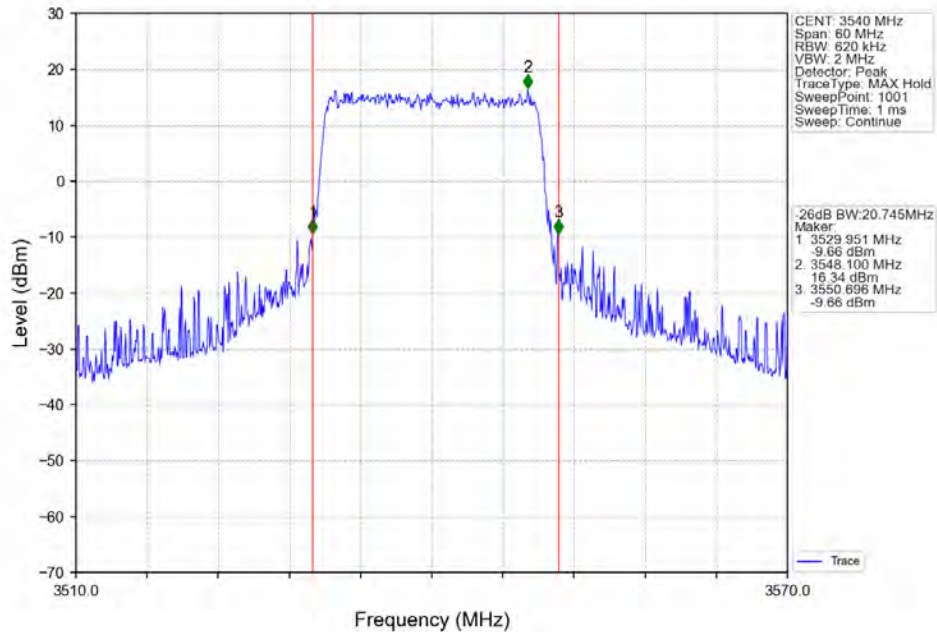
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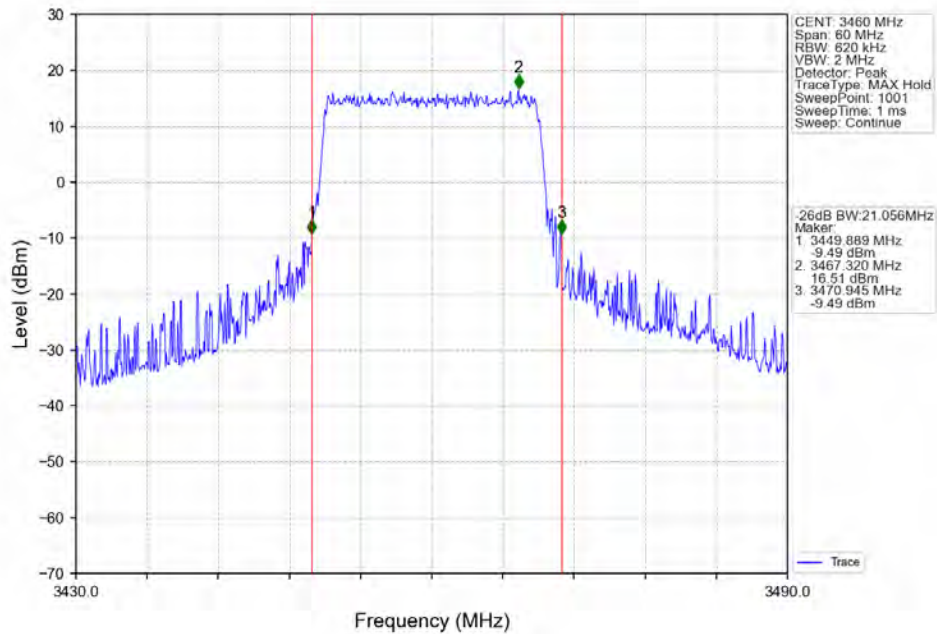
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Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTN



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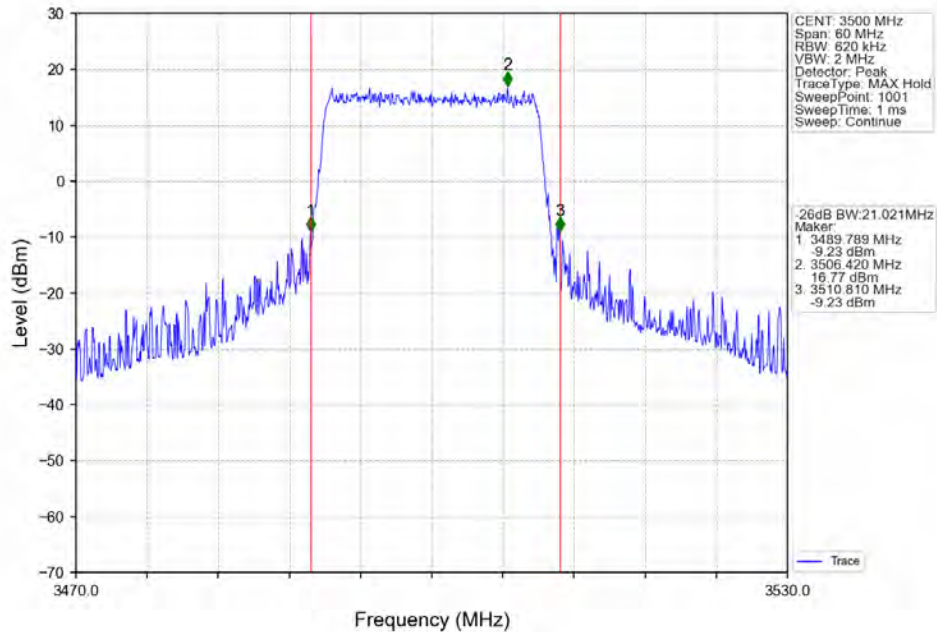
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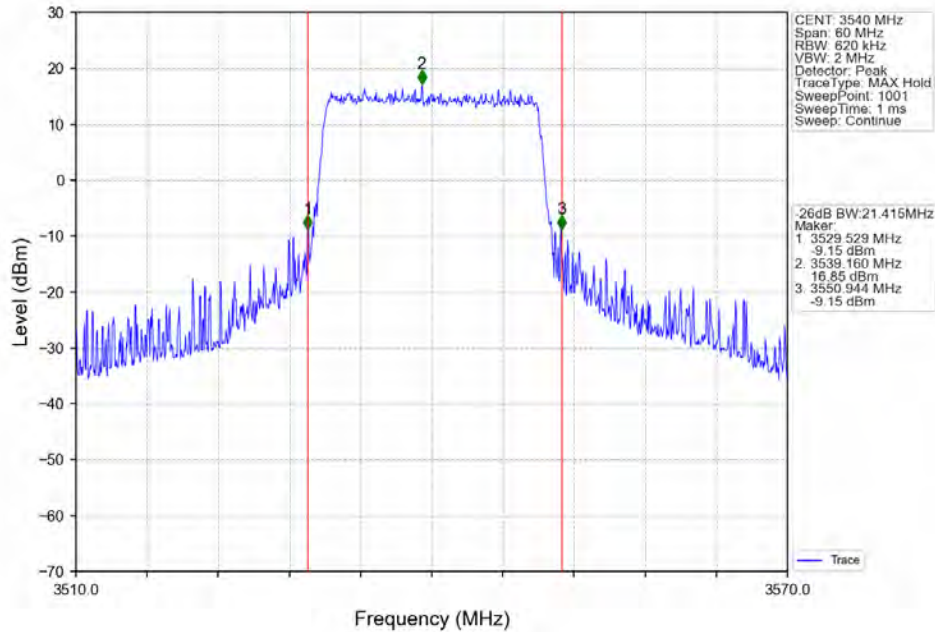
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Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_LCH_3460MHz_RB_100_0_NTNV



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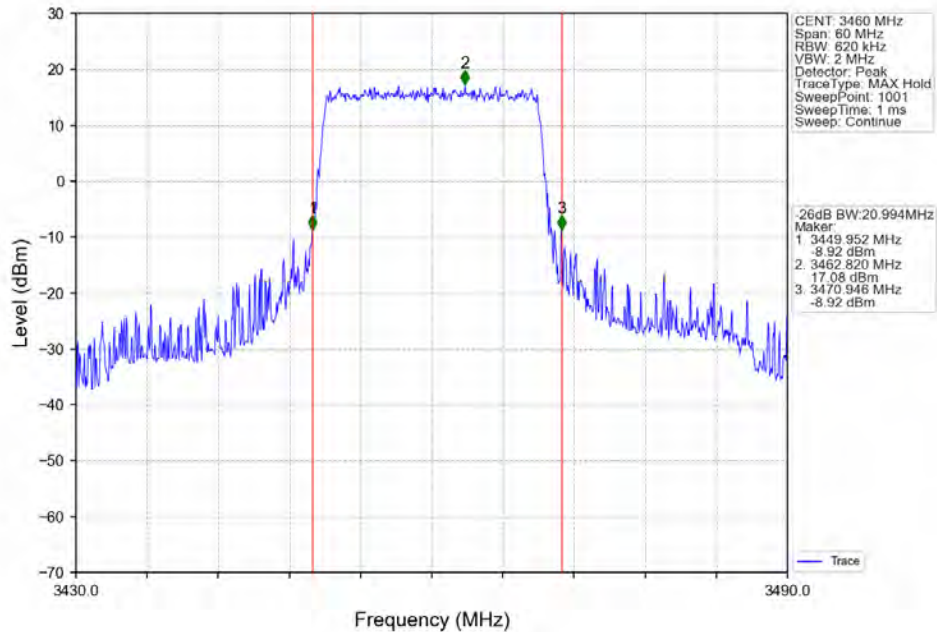
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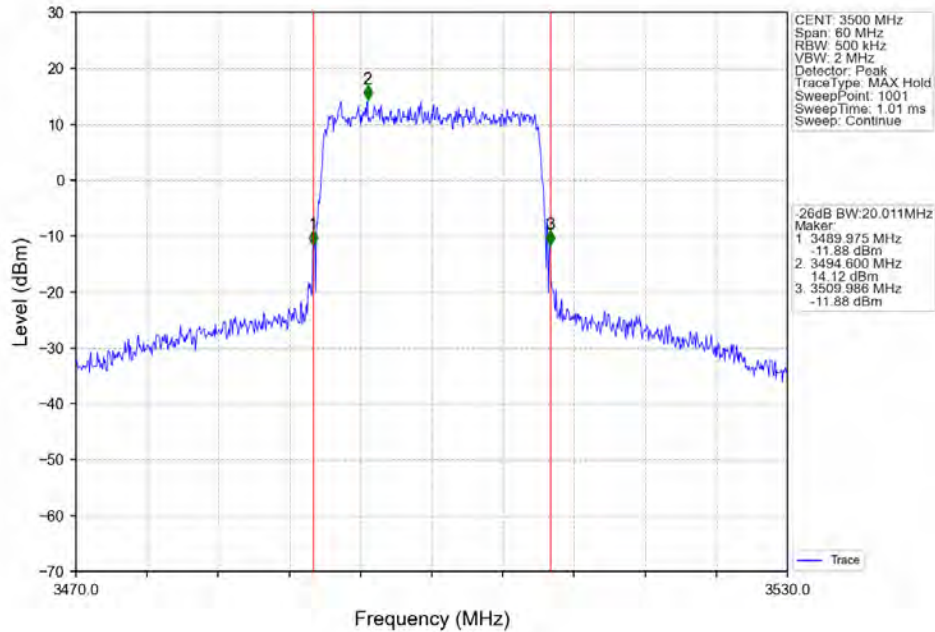
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Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



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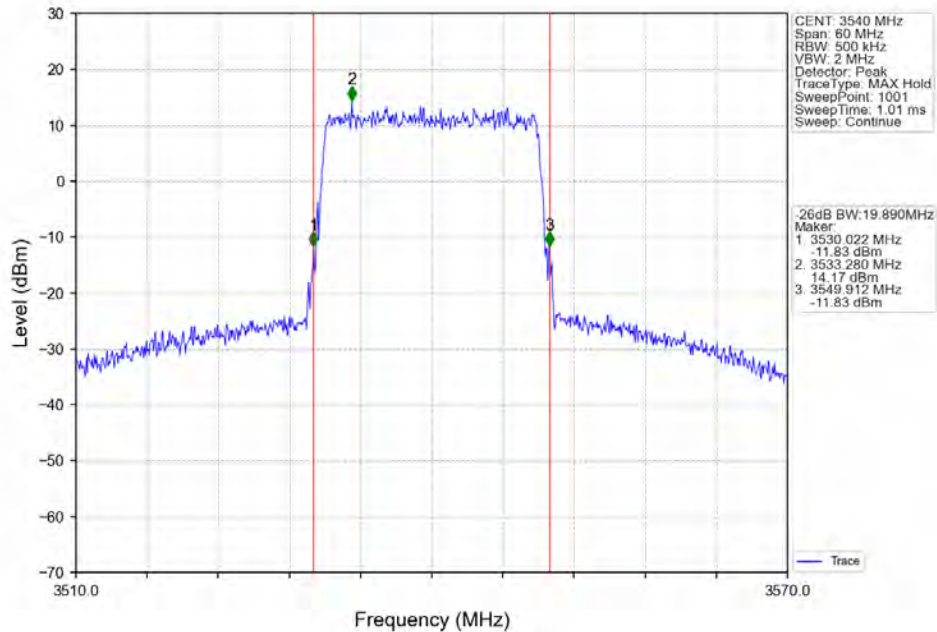
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4. Peak-Average Ratio

4.1 B42a_5MHz

4.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	7.06	<=13	Pass
	3500	25	0	7.20	<=13	Pass
	3547.5	25	0	7.09	<=13	Pass
16QAM	3452.5	25	0	8.14	<=13	Pass
	3500	25	0	8.25	<=13	Pass
	3547.5	25	0	8.23	<=13	Pass
64QAM	3452.5	25	0	8.12	<=13	Pass
	3500	25	0	8.14	<=13	Pass
	3547.5	25	0	8.74	<=13	Pass
256QAM	3452.5	25	0	8.76	<=13	Pass
	3500	25	0	8.80	<=13	Pass
	3547.5	25	0	8.64	<=13	Pass



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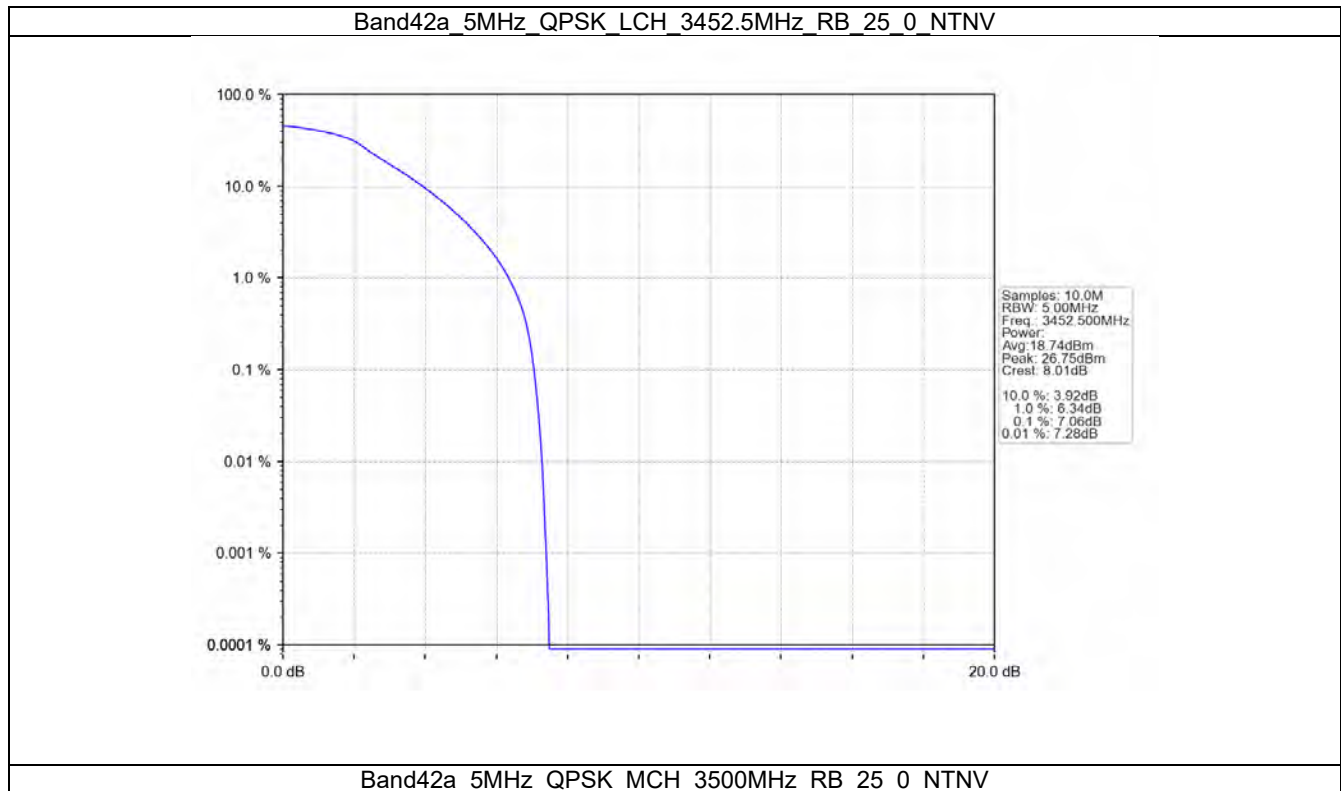
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4.1.2 Test Graph



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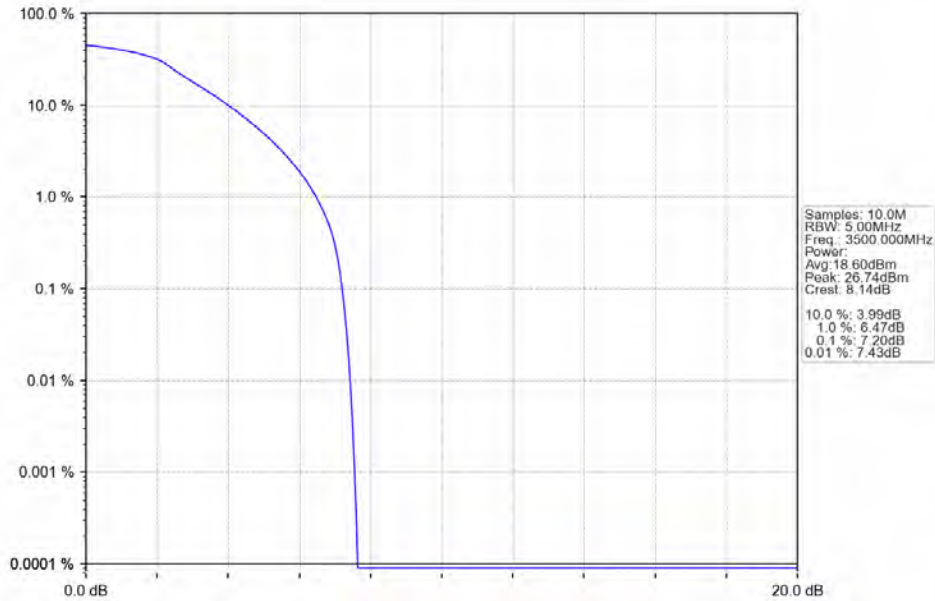
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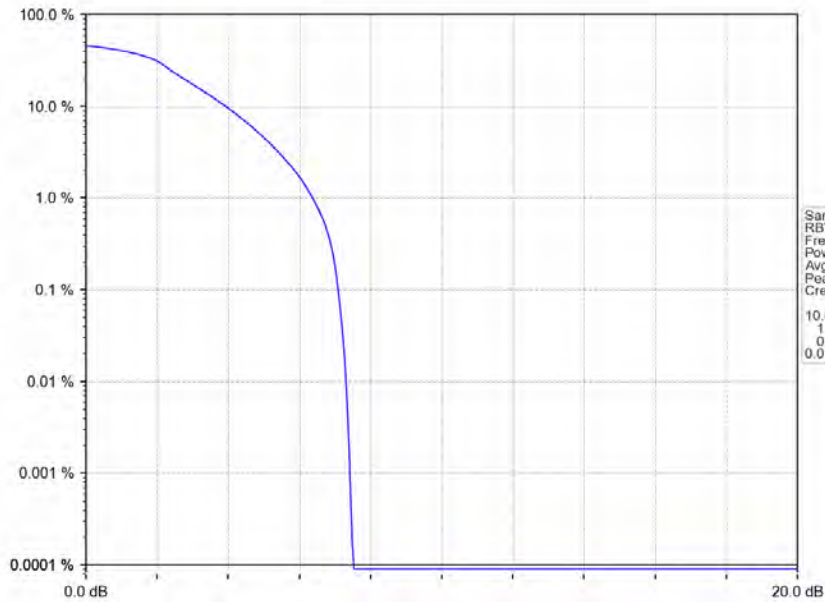
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Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 3547.500MHz
Power:
Avg: 18.53dBm
Peak: 26.30dBm
Crest: 7.77dB
10.0 %: 3.92dB
1.0 %: 6.37dB
0.1 %: 7.09dB
0.01 %: 7.31dB

Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



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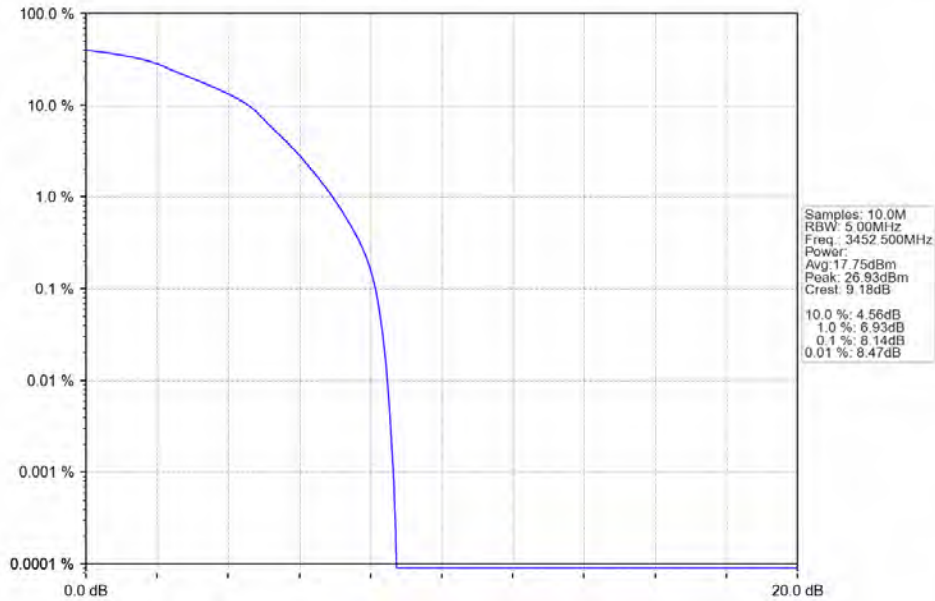
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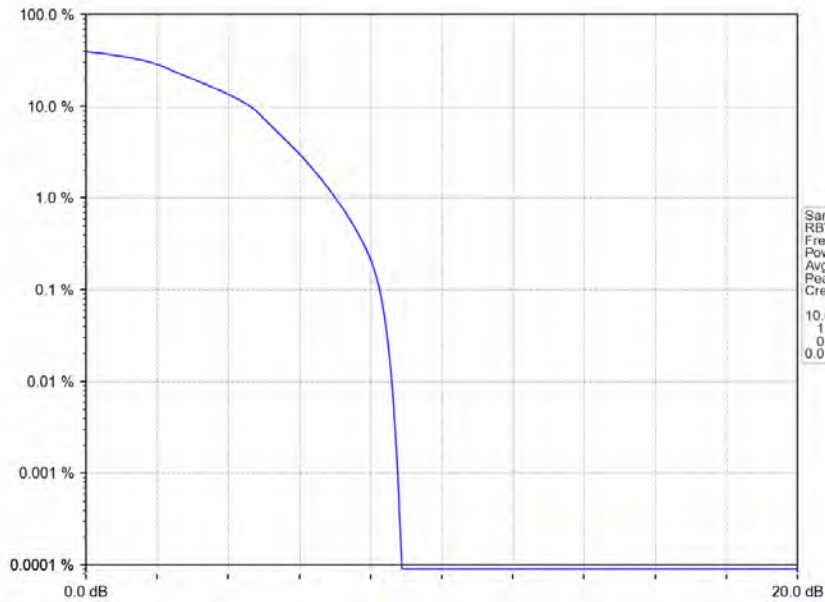
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Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



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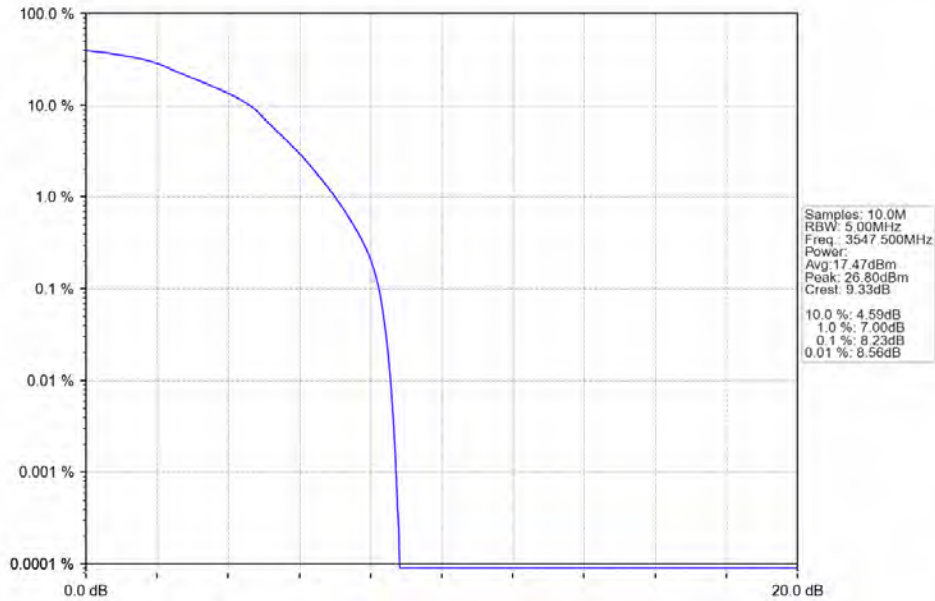
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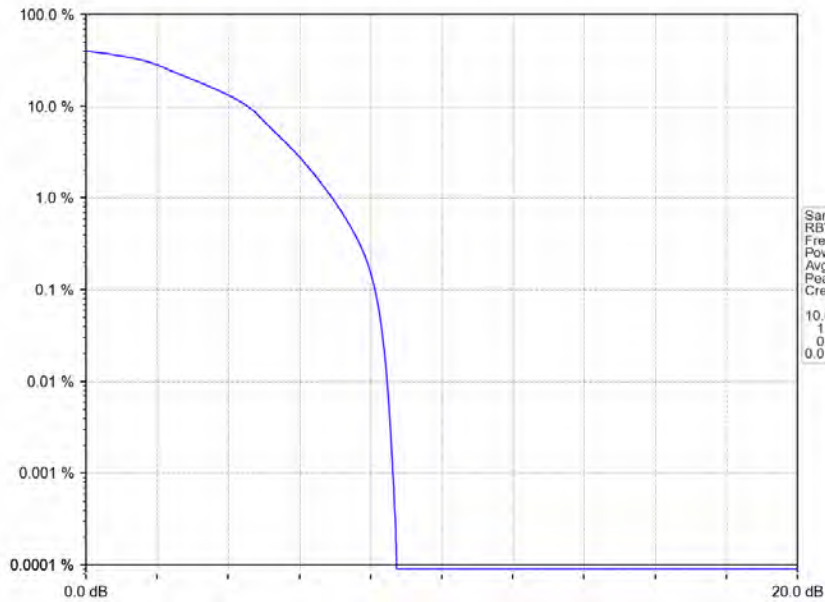
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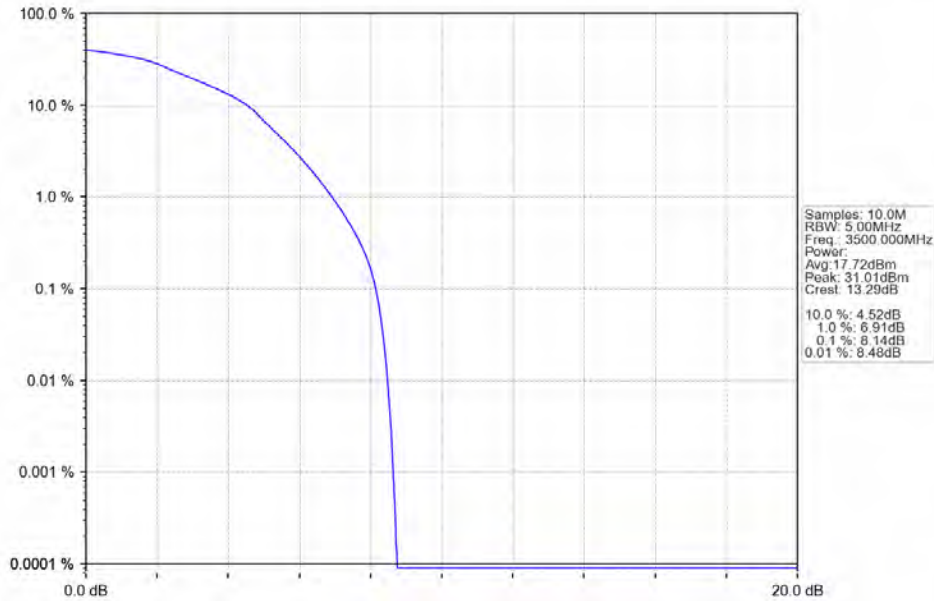
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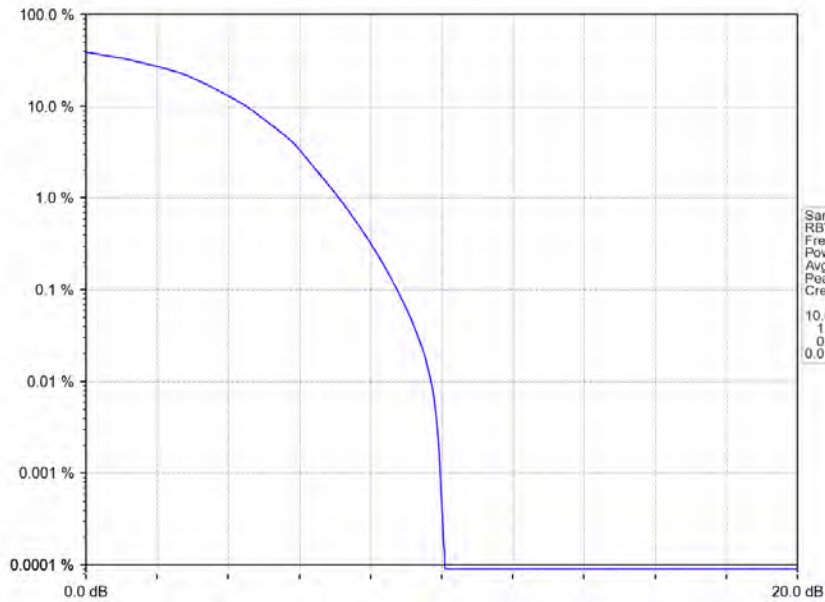
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Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq: 3547.500MHz
Power:
Avg: 16.46dBm
Peak: 27.09dBm
Crest: 10.63dB
10.0 %: 4.50dB
1.0 %: 7.11dB
0.1 %: 8.74dB
0.01 %: 9.70dB

Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



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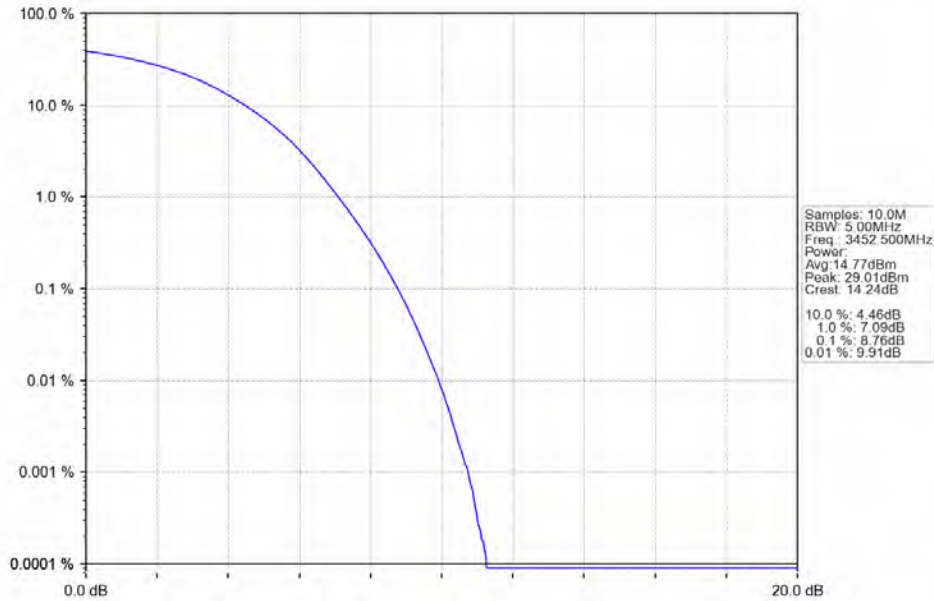
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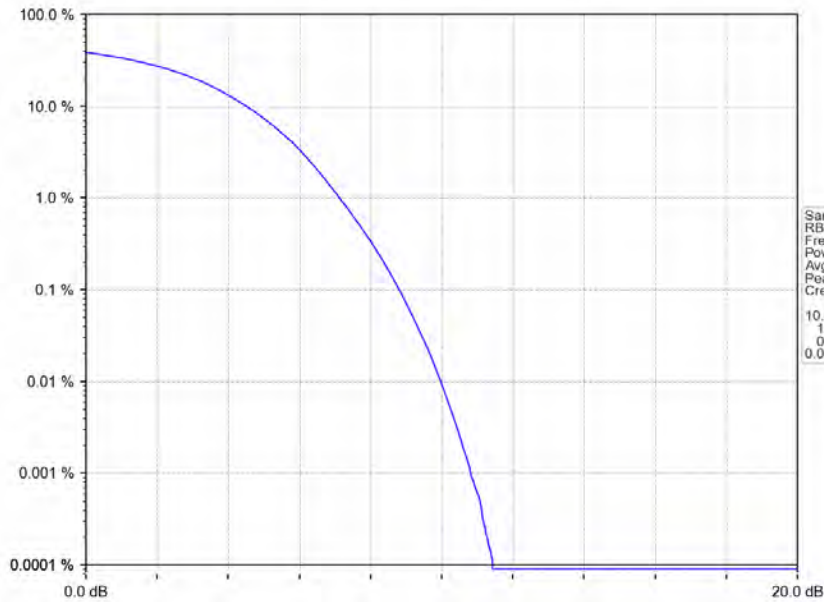
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Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



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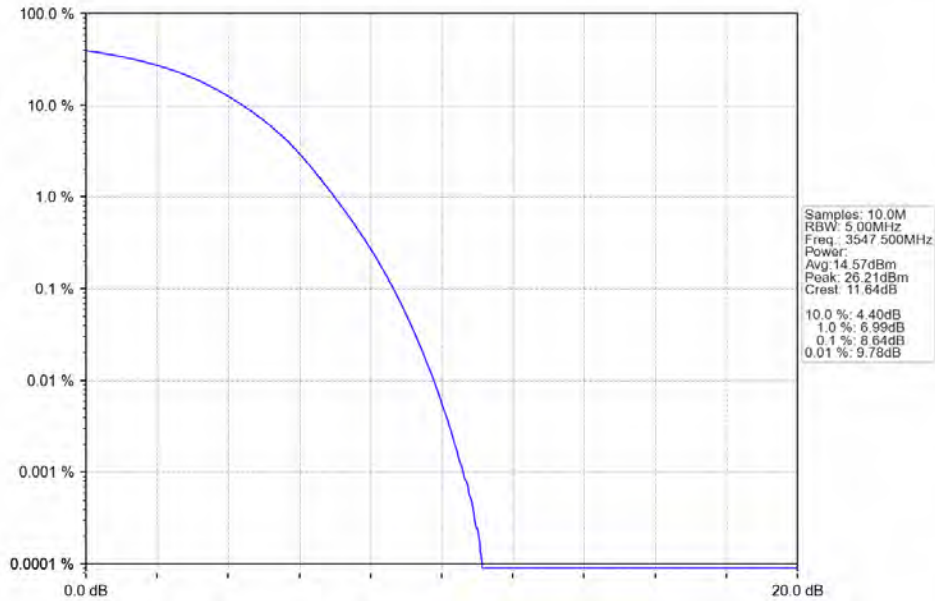
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4.2 B42a_10MHz

4.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	7.02	<=13	Pass
	3500	50	0	7.14	<=13	Pass
	3545	50	0	7.13	<=13	Pass
16QAM	3455	50	0	8.13	<=13	Pass
	3500	50	0	8.12	<=13	Pass
	3545	50	0	8.15	<=13	Pass
64QAM	3455	50	0	8.63	<=13	Pass
	3500	50	0	8.12	<=13	Pass
	3545	50	0	8.56	<=13	Pass
256QAM	3455	50	0	8.71	<=13	Pass
	3500	50	0	8.61	<=13	Pass
	3545	50	0	8.66	<=13	Pass



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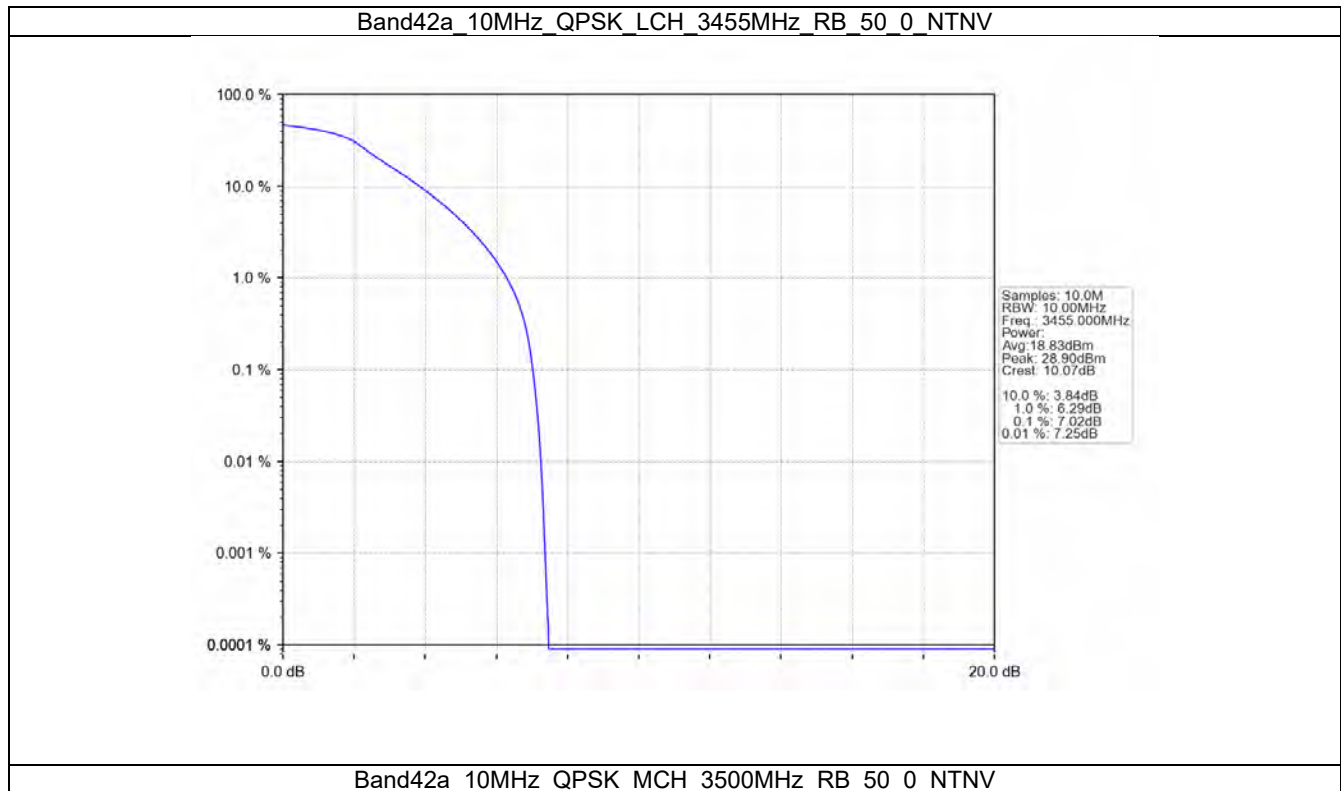
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4.2.2 Test Graph



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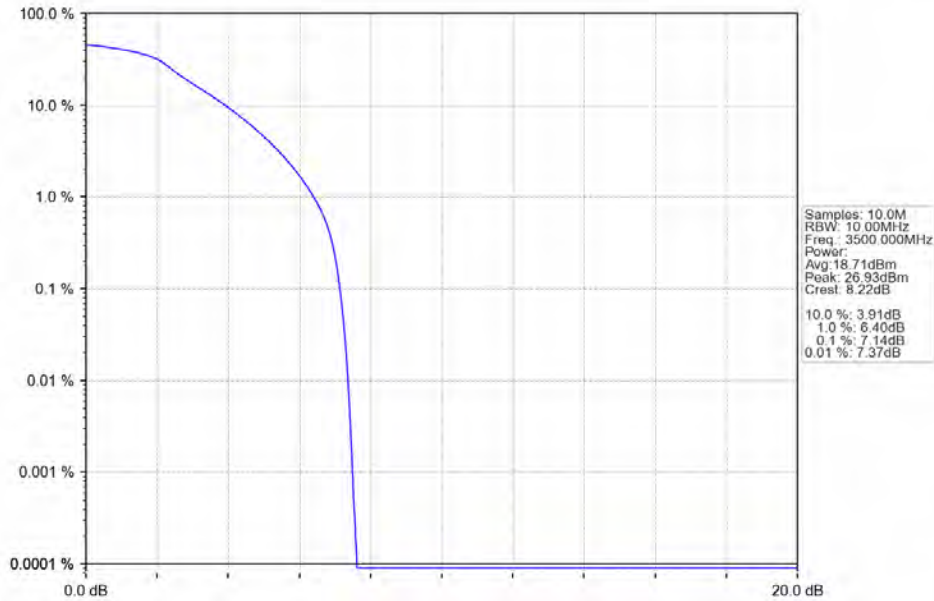
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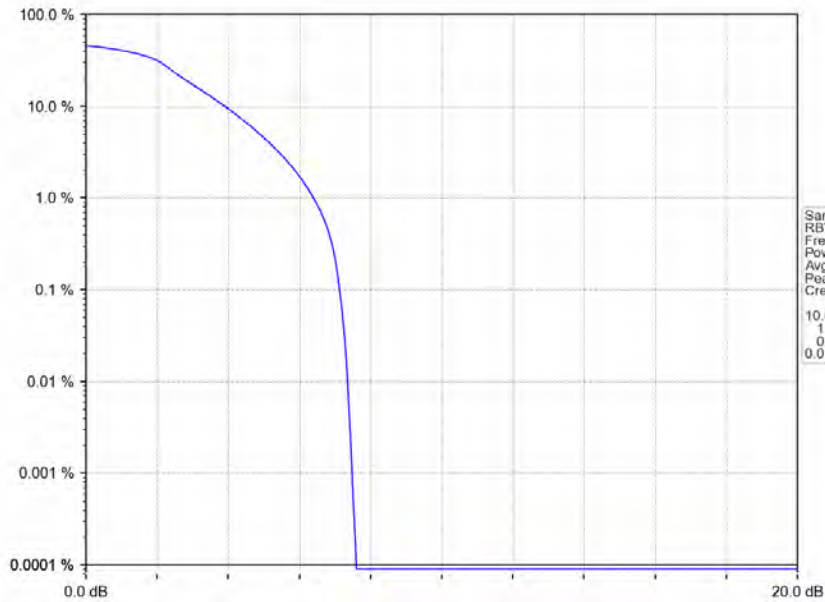
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Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



Band42a_10MHz_16QAM_LCH_3545MHz_RB_50_0_NTNV



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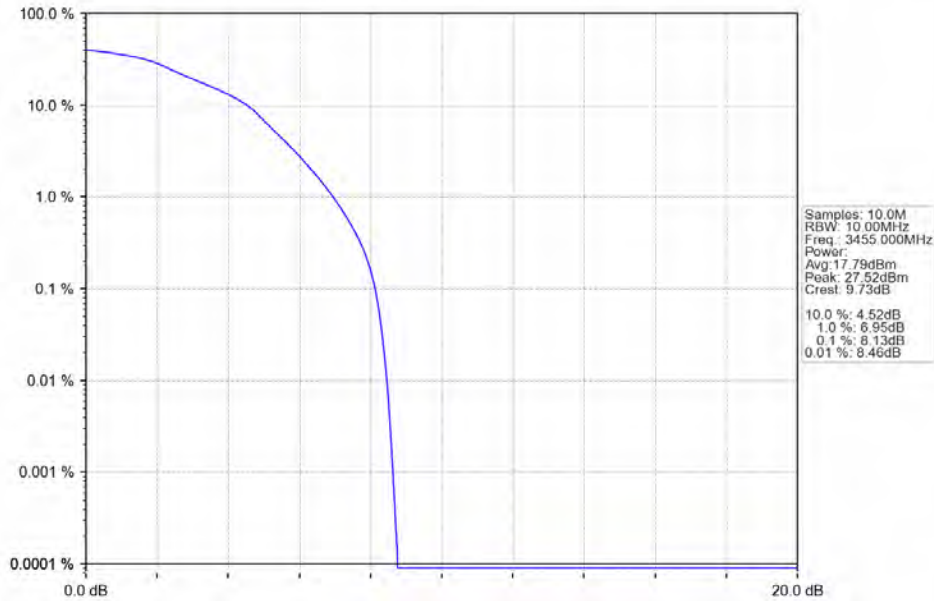
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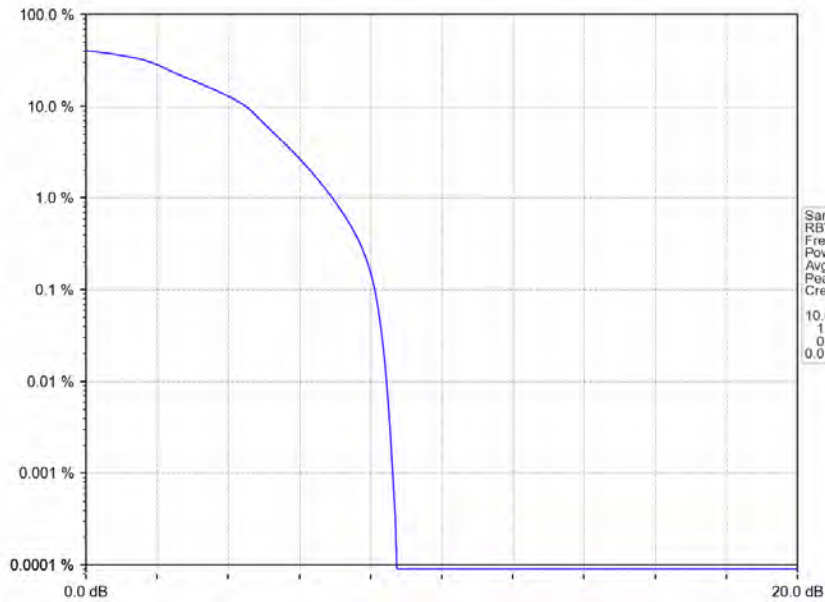
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Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



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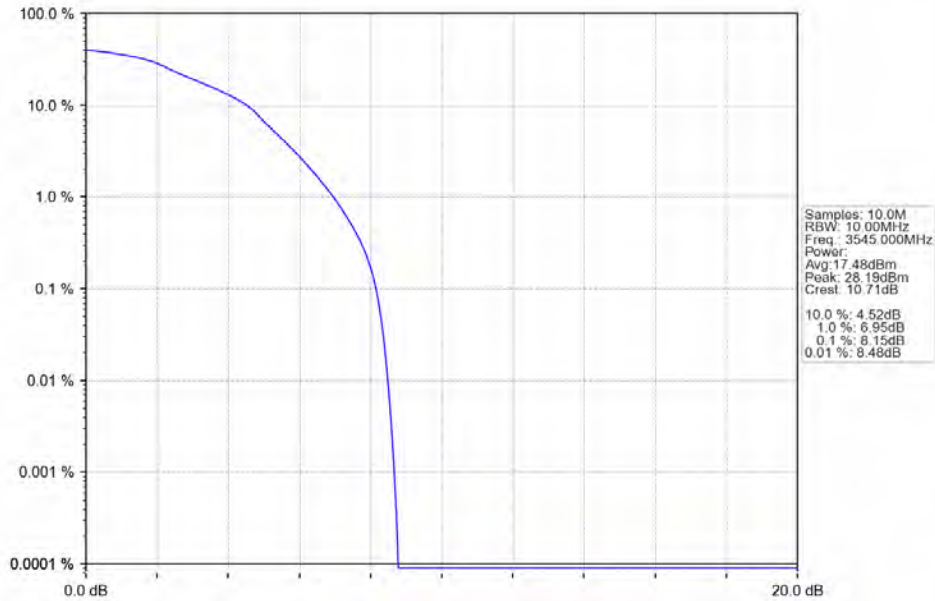
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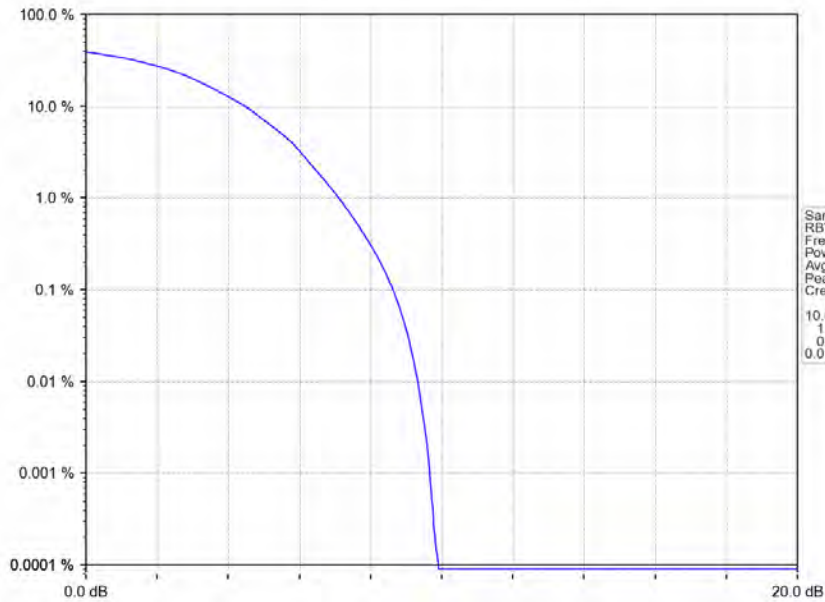
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Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq: 3455.000MHz
Power:
Avg: 16.78dBm
Peak: 26.90dBm
Crest: 10.12dBm
10.0 %: 4.47dB
1.0 %: 7.10dB
0.1 %: 8.63dB
0.01 %: 9.33dB

Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



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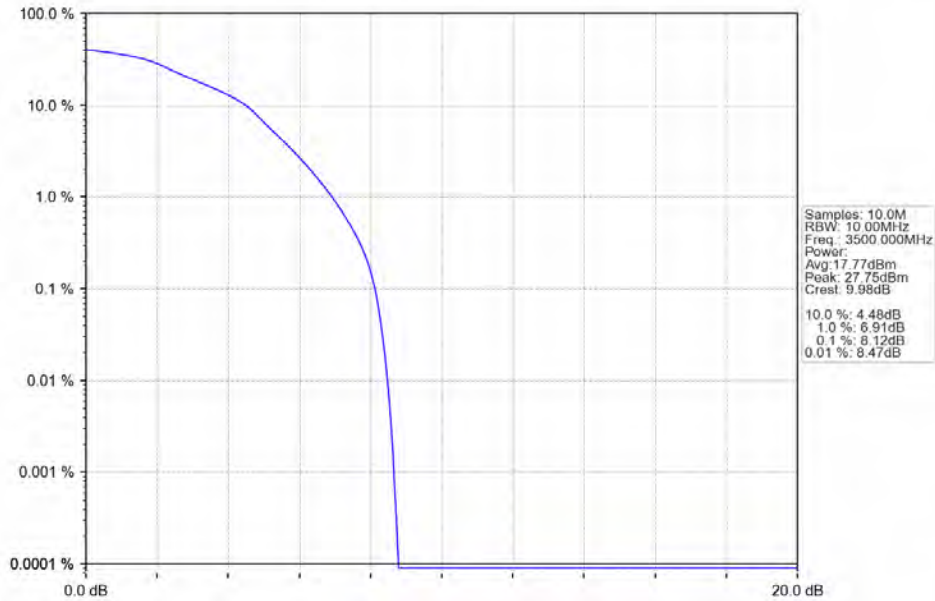
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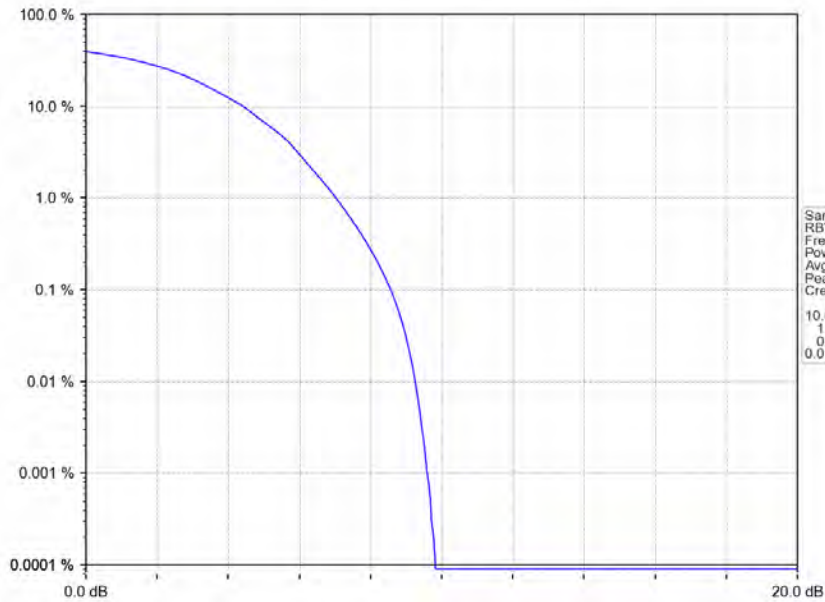
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Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



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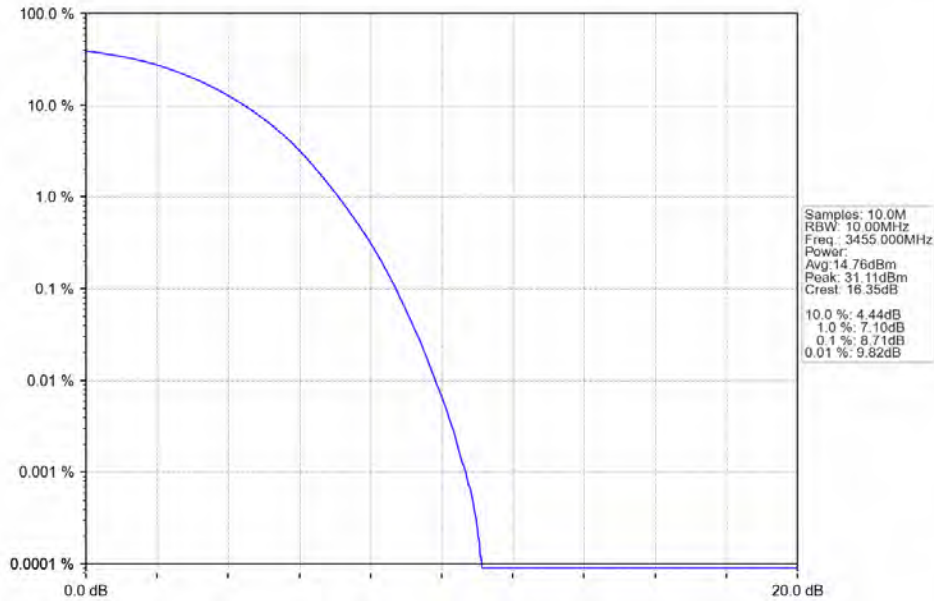
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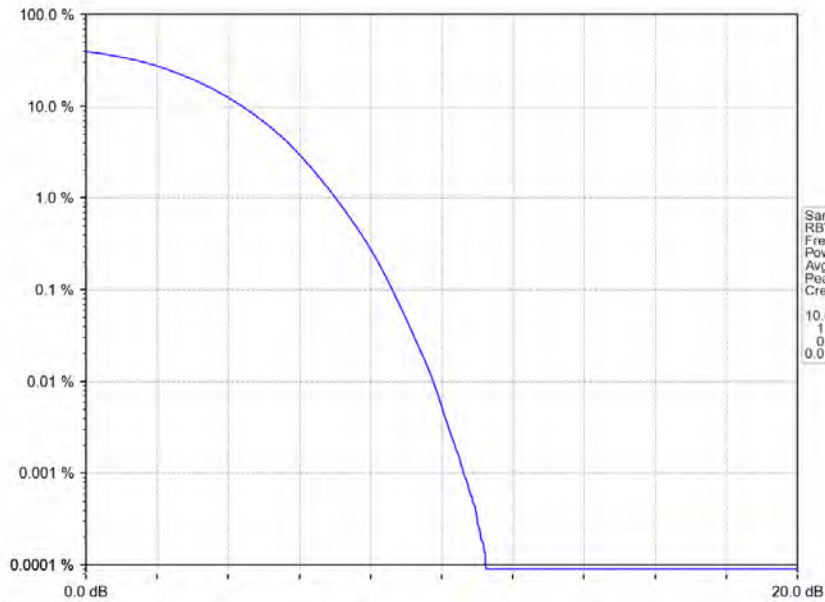
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Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTN



Band42a 10MHz 256QAM HCH 3545MHz RB 50 0 NTN



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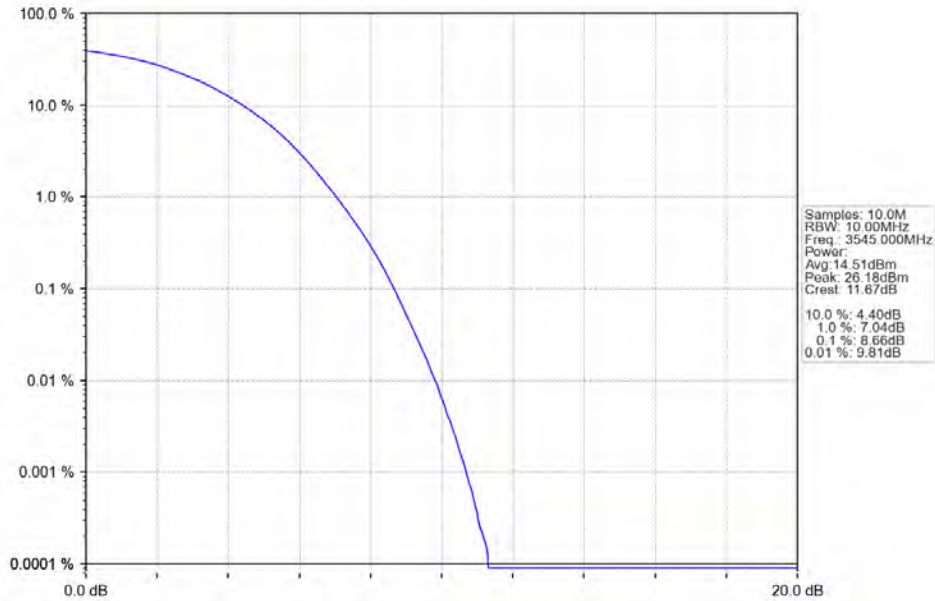
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4.3 B42a_15MHz

4.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	7.00	<=13	Pass
	3500	75	0	6.75	<=13	Pass
	3542.5	75	0	7.12	<=13	Pass
16QAM	3457.5	75	0	8.43	<=13	Pass
	3500	75	0	8.47	<=13	Pass
	3542.5	75	0	8.42	<=13	Pass
64QAM	3457.5	75	0	8.28	<=13	Pass
	3500	75	0	8.45	<=13	Pass
	3542.5	75	0	8.57	<=13	Pass
256QAM	3457.5	75	0	8.69	<=13	Pass
	3500	75	0	8.54	<=13	Pass
	3542.5	75	0	8.44	<=13	Pass



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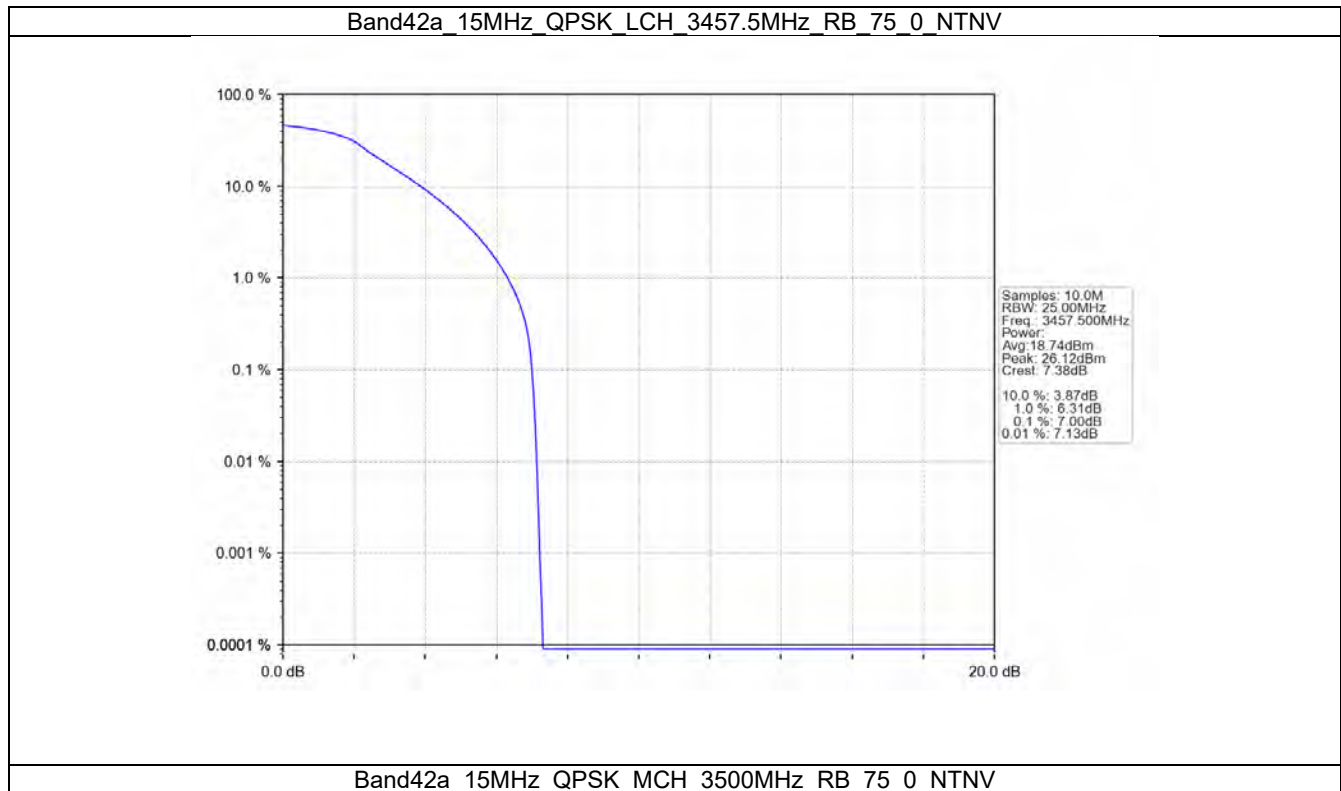
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4.3.2 Test Graph



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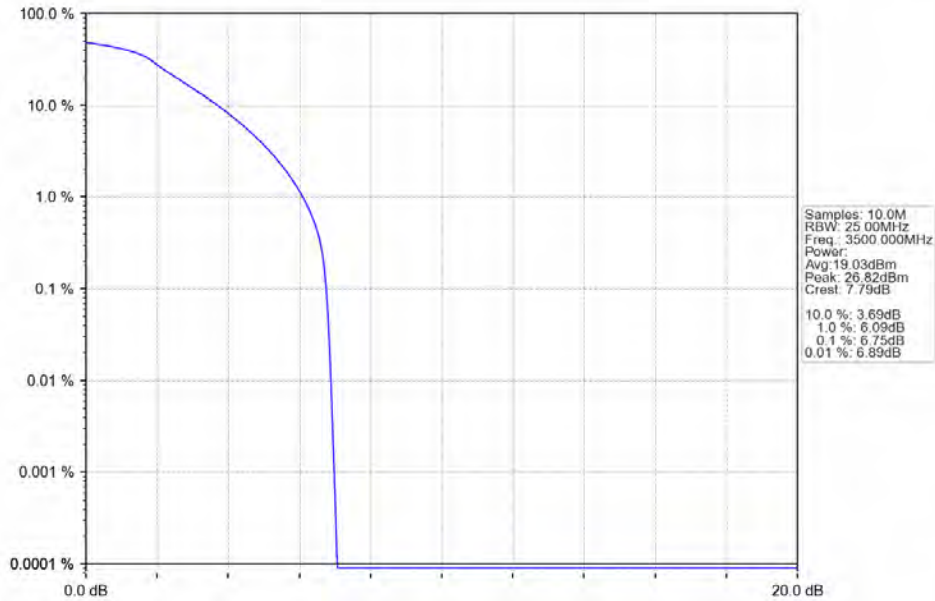
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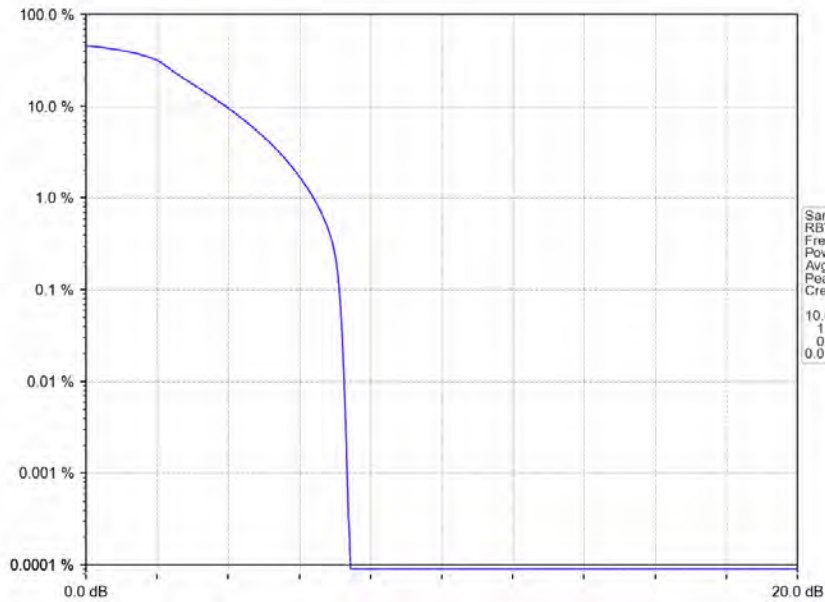
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



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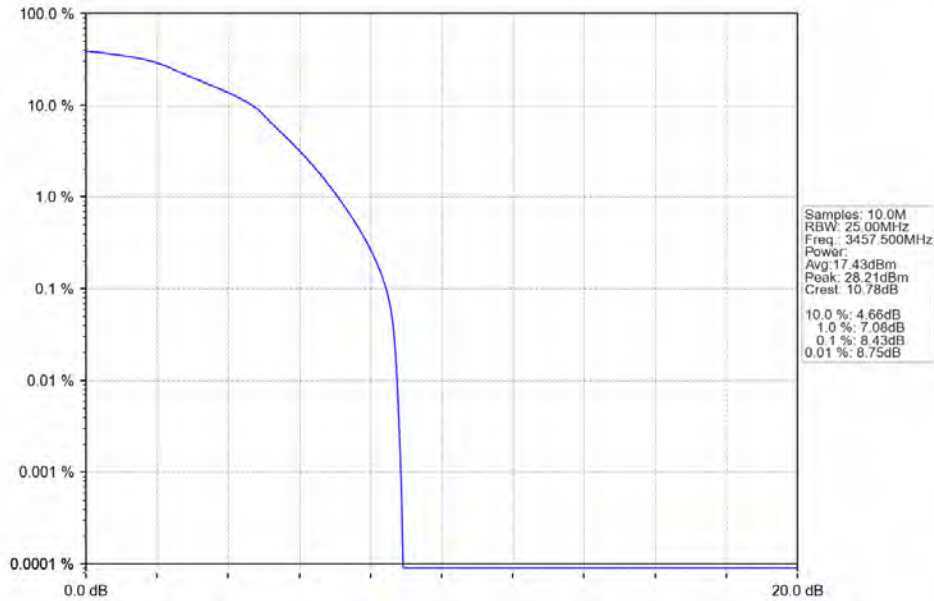
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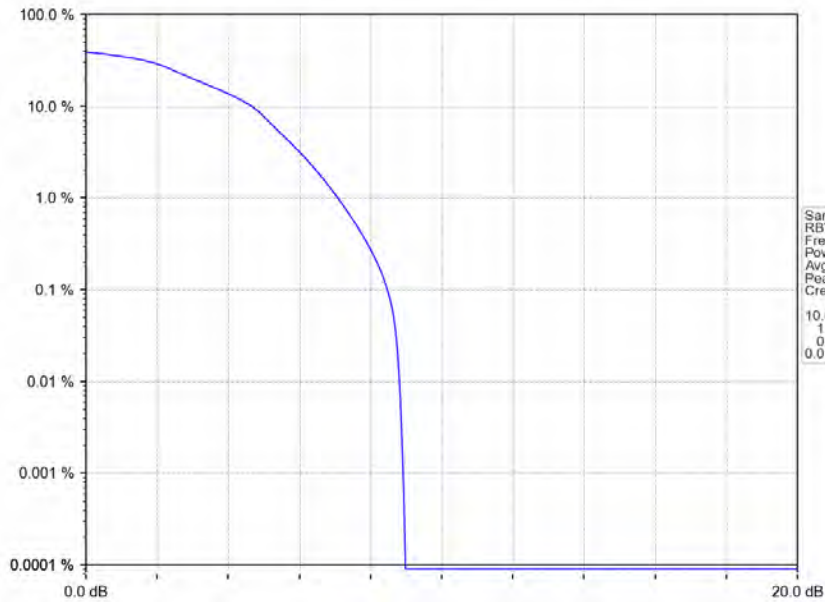
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Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 3500.000MHz
Power:
Avg: 17.49dBm
Peak: 33.06dBm
Crest: 15.57dBm
10.0%: 4.65dB
1.0%: 7.06dB
0.1%: 8.47dB
0.01%: 8.81dB

Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



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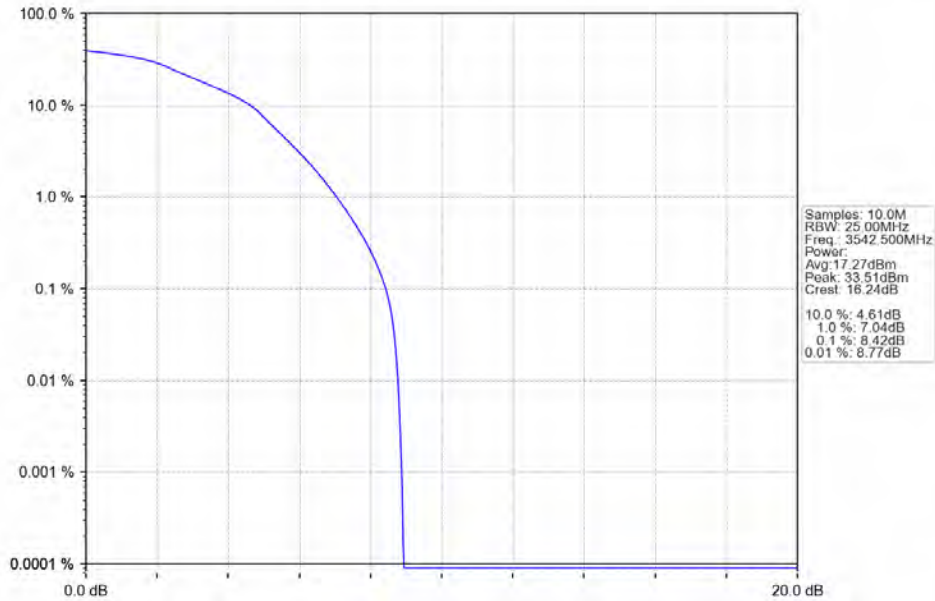
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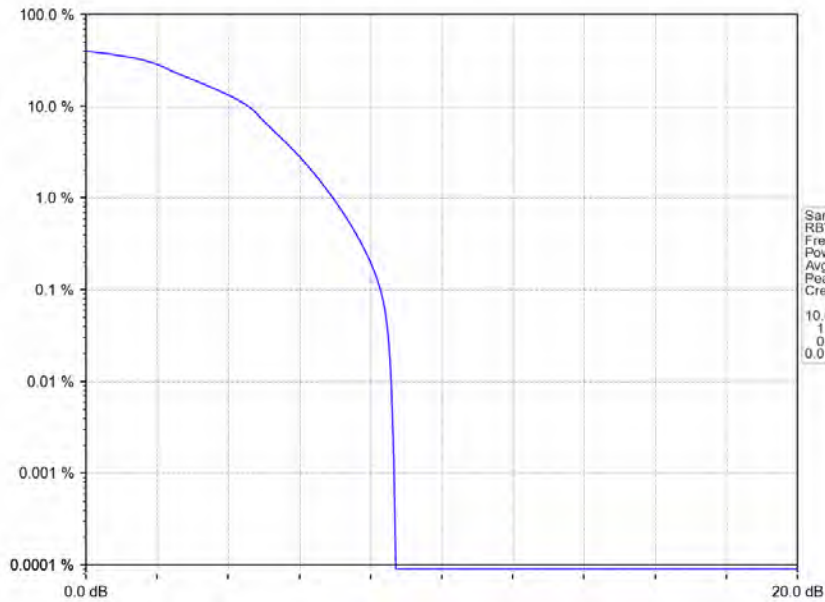
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 3457.500MHz
Power:
Avg: 17.62dBm
Peak: 29.08dBm
Crest: 11.46dB
10.0 %: 4.55dB
1.0 %: 6.94dB
0.1 %: 8.28dB
0.01 %: 8.58dB

Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



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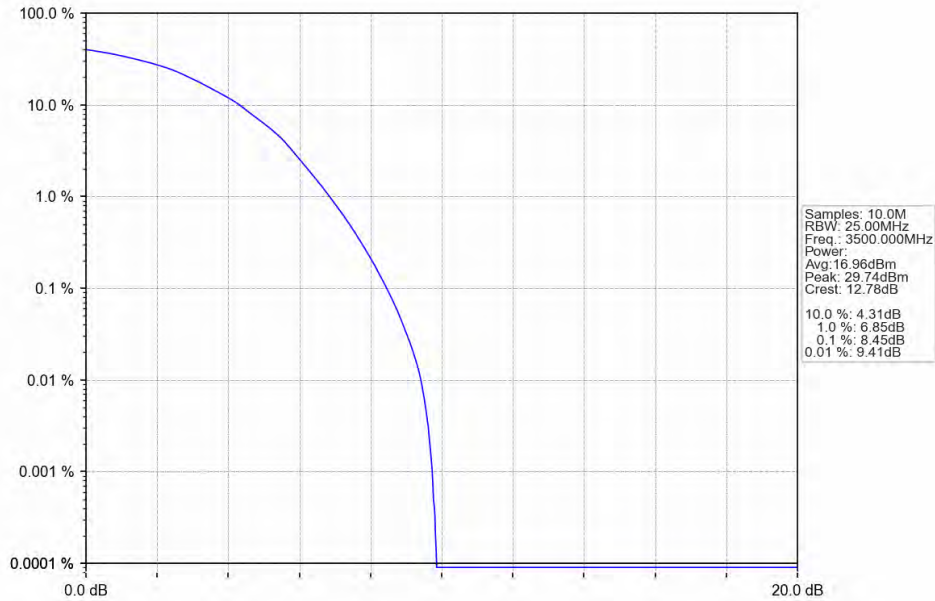
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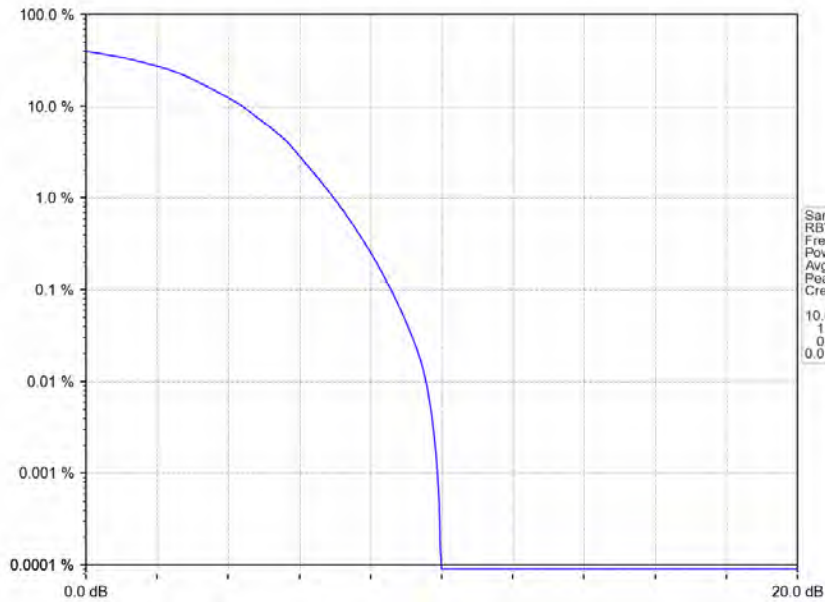
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Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_75_0_NTNV



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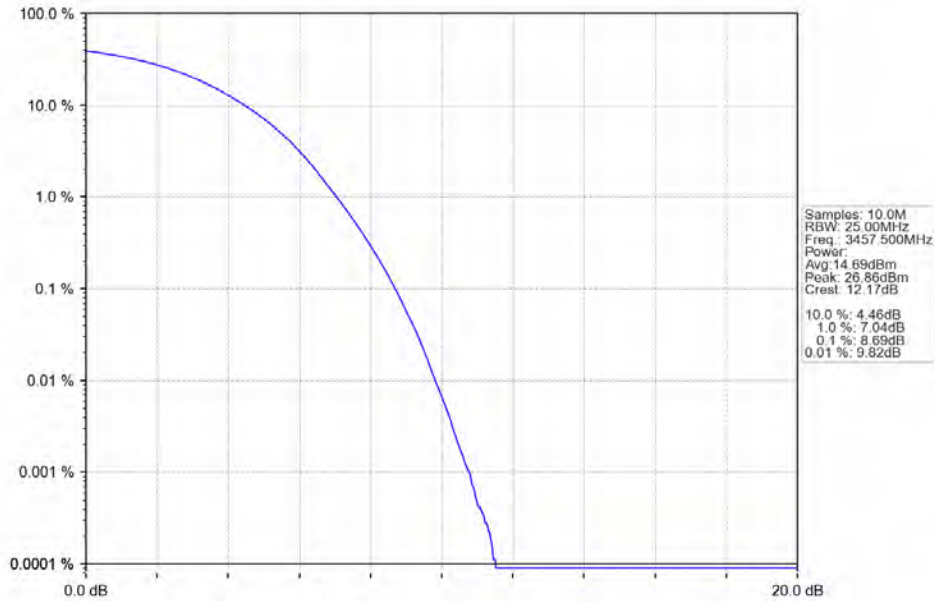
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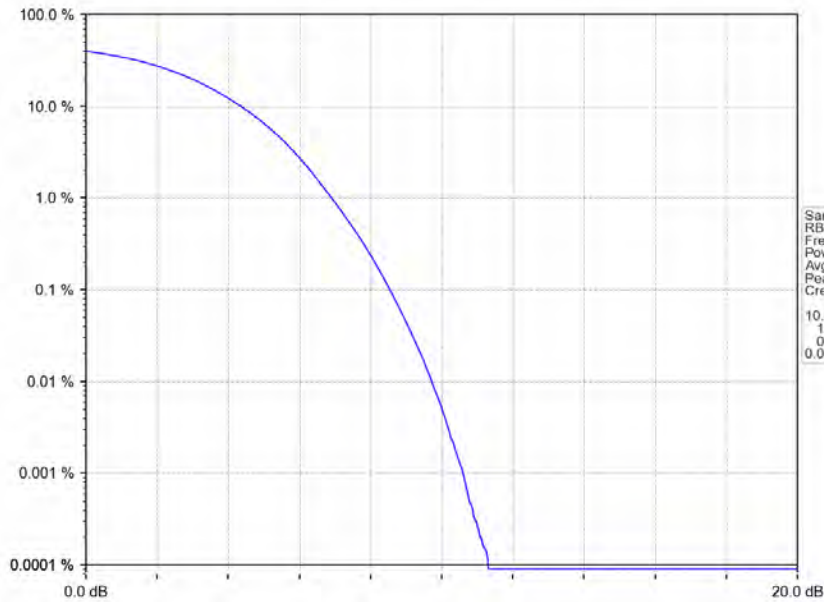
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Band42a_15MHz_256QAM_HCH_3542.5MHz_RB_75_0_NTNV



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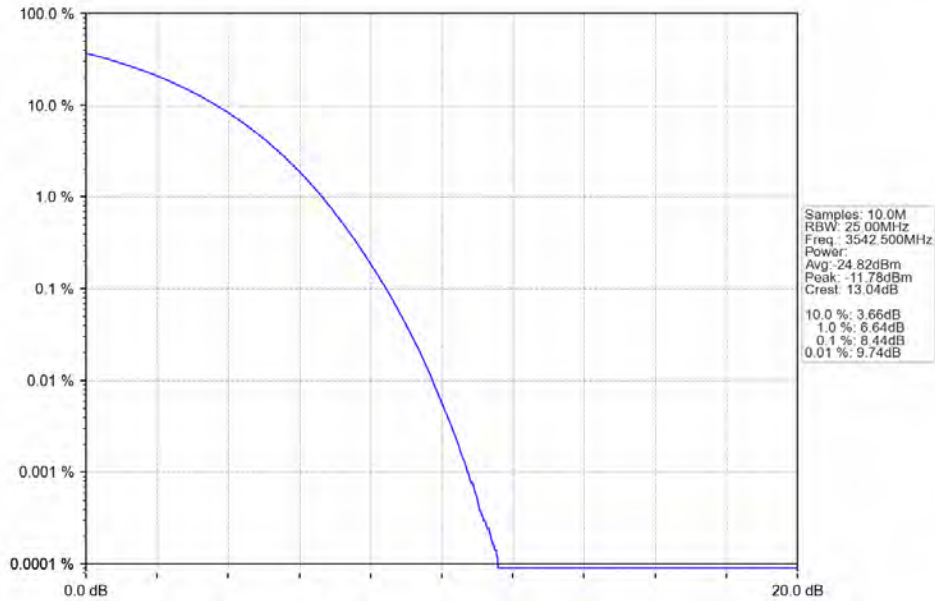
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4.4 B42a_20MHz

4.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	7.46	<=13	Pass
	3500	100	0	7.00	<=13	Pass
	3540	100	0	7.39	<=13	Pass
16QAM	3460	100	0	8.28	<=13	Pass
	3500	100	0	8.24	<=13	Pass
	3540	100	0	7.79	<=13	Pass
64QAM	3460	100	0	8.16	<=13	Pass
	3500	100	0	8.65	<=13	Pass
	3540	100	0	8.48	<=13	Pass
256QAM	3460	100	0	7.17	<=13	Pass
	3500	100	0	8.42	<=13	Pass
	3540	100	0	5.66	<=13	Pass



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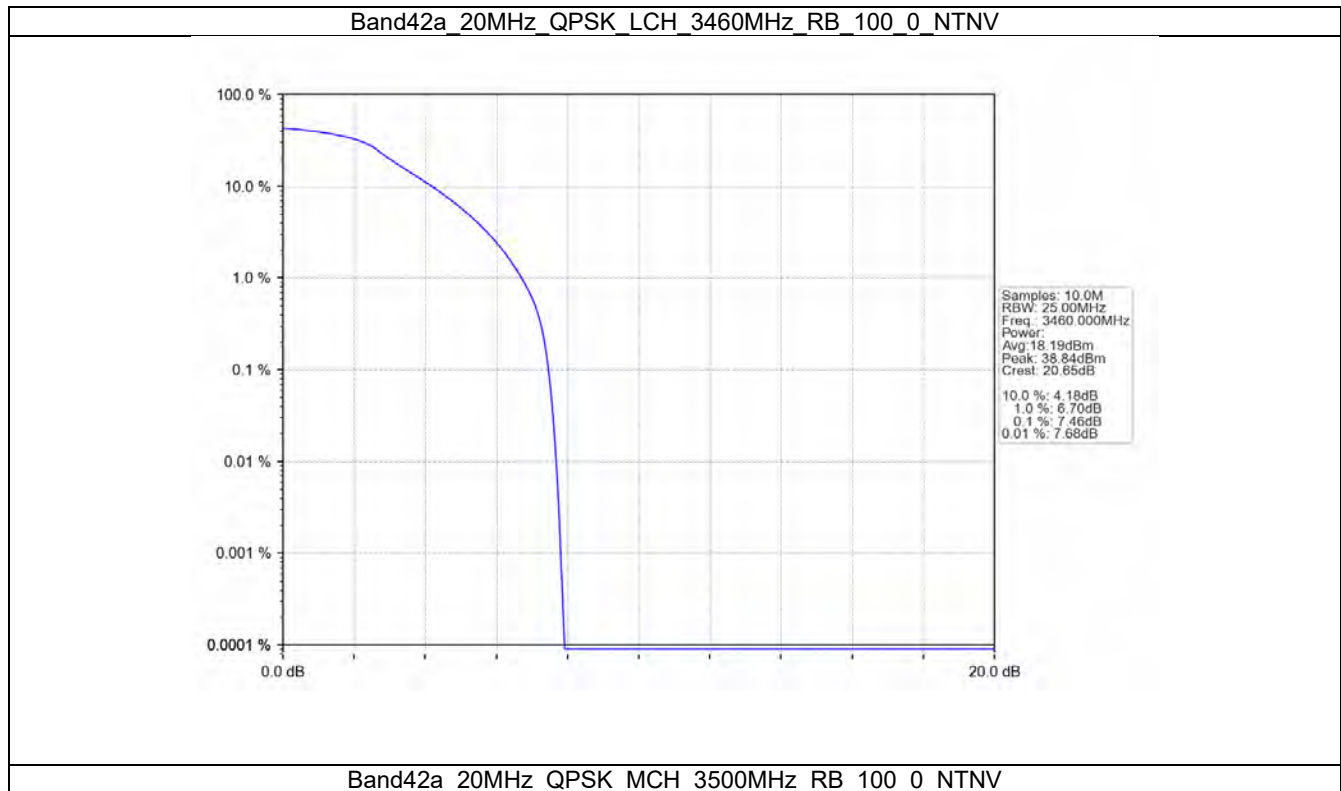
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4.4.2 Test Graph



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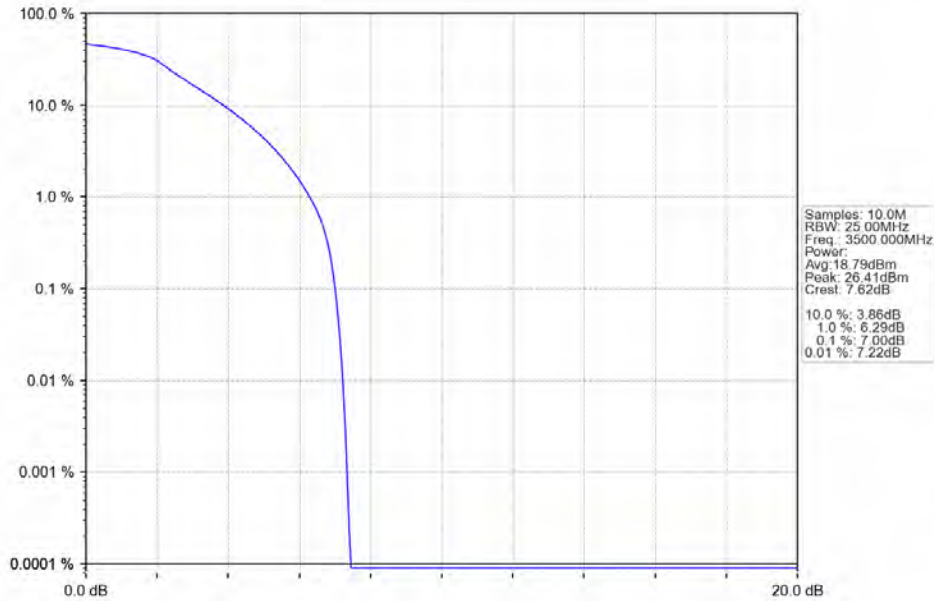
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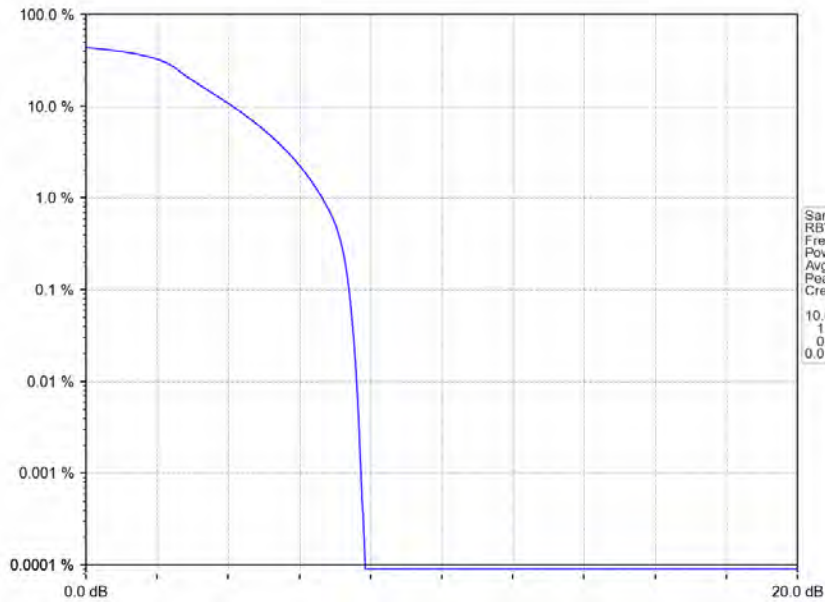
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



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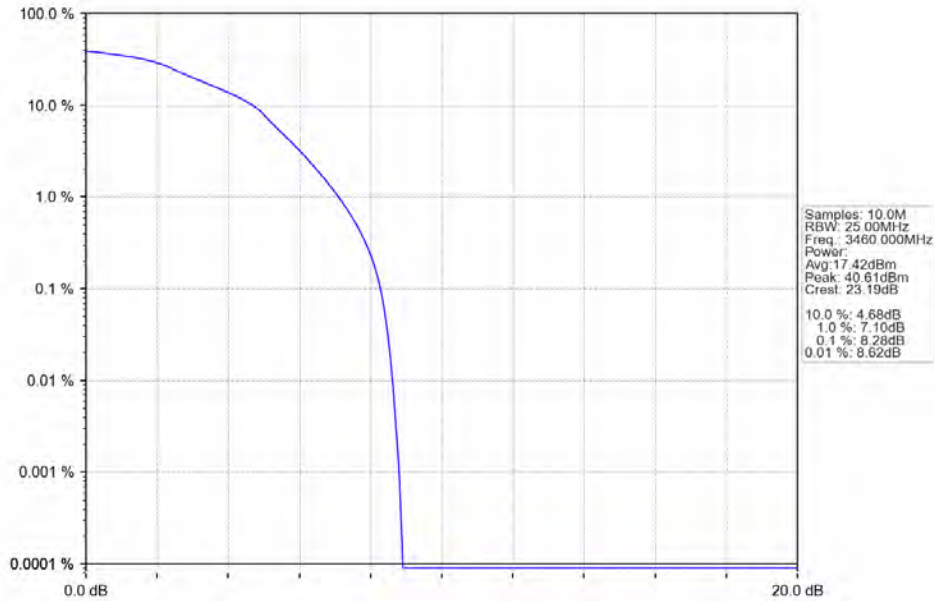
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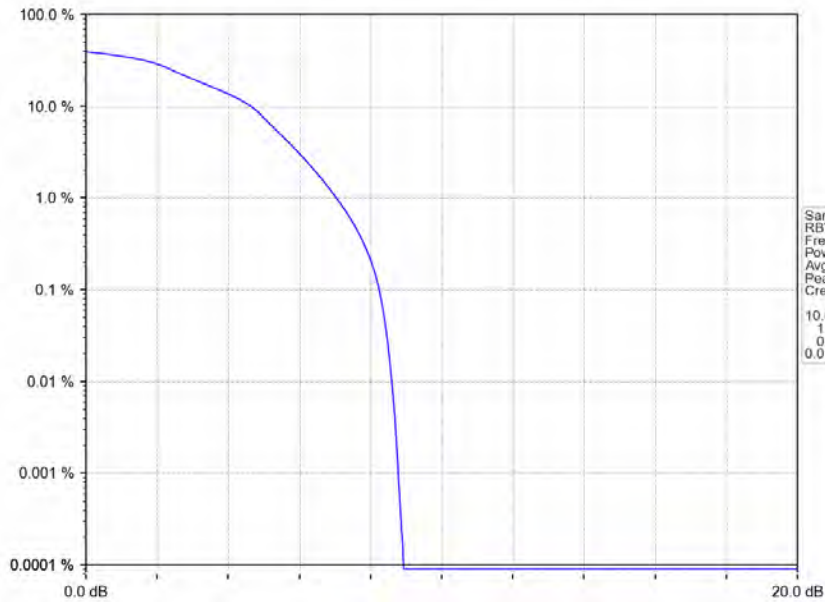
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Samples: 10.0M
RBW: 25.00MHz
Freq: 3500.000MHz
Power:
Avg: 17.56dBm
Peak: 32.28dBm
Crest: 14.72dB
10.0 %: 4.63dB
1.0 %: 7.04dB
0.1 %: 8.24dB
0.01 %: 8.60dB

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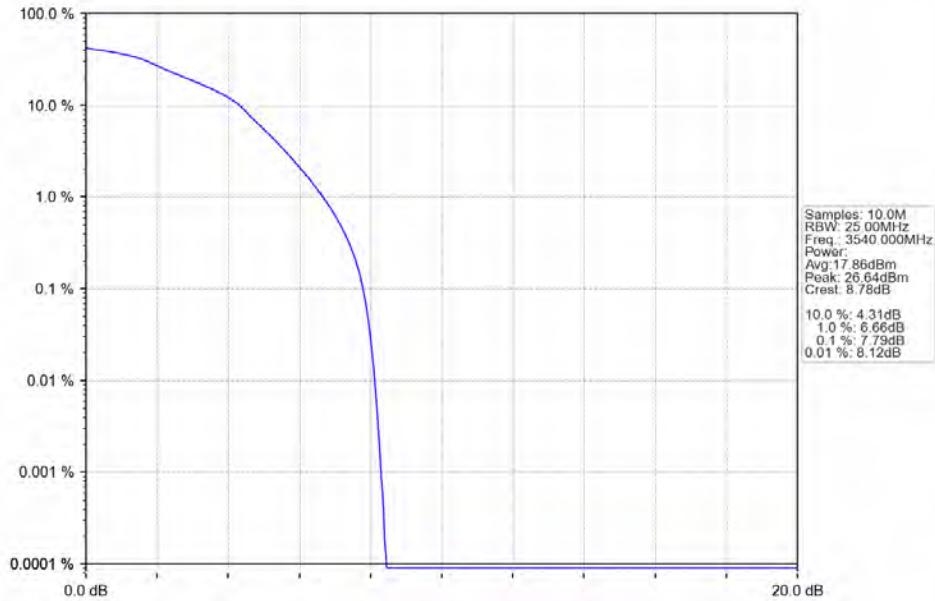
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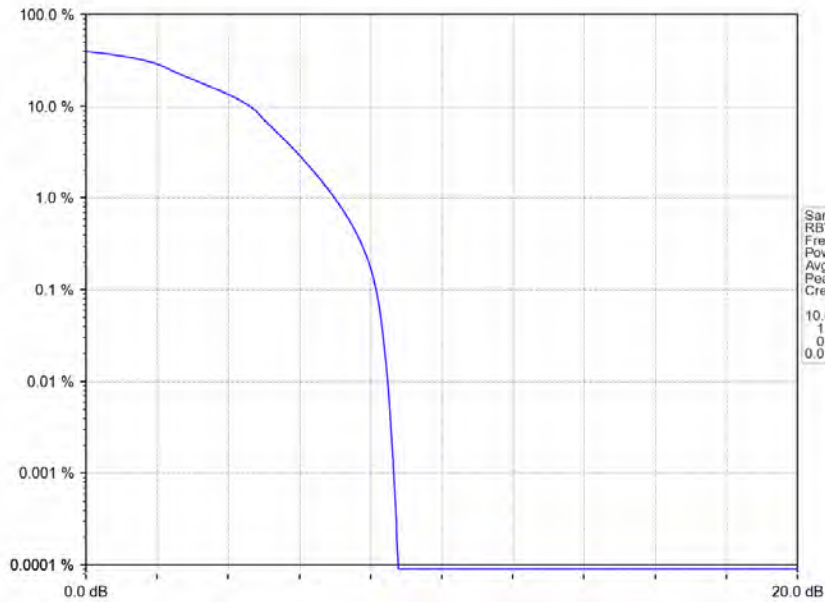
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Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTNV



Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



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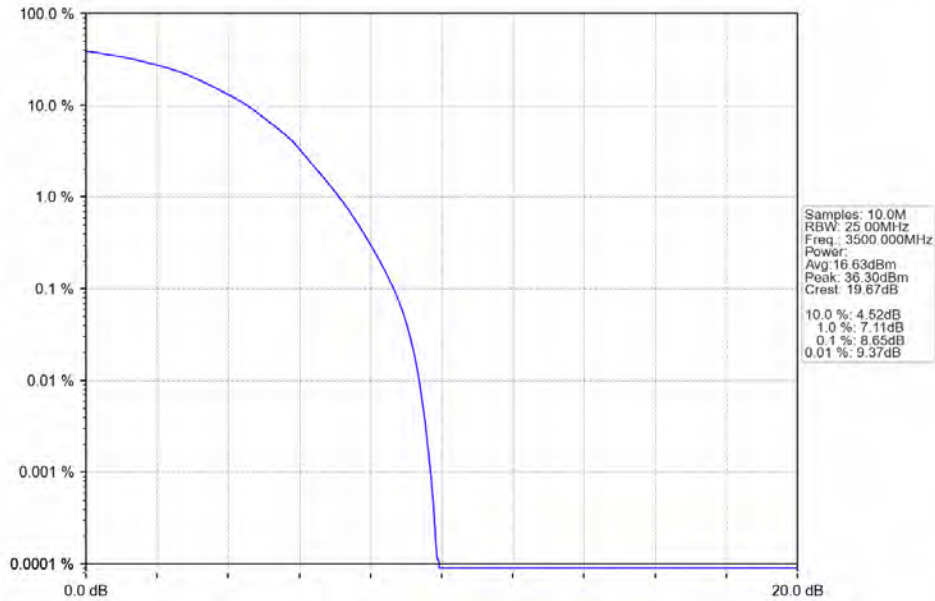
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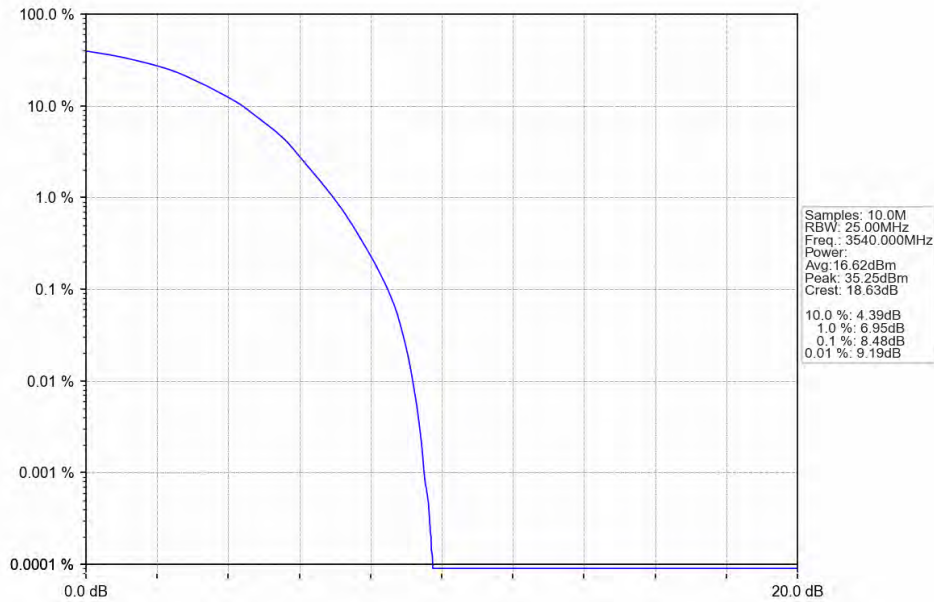
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Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTN



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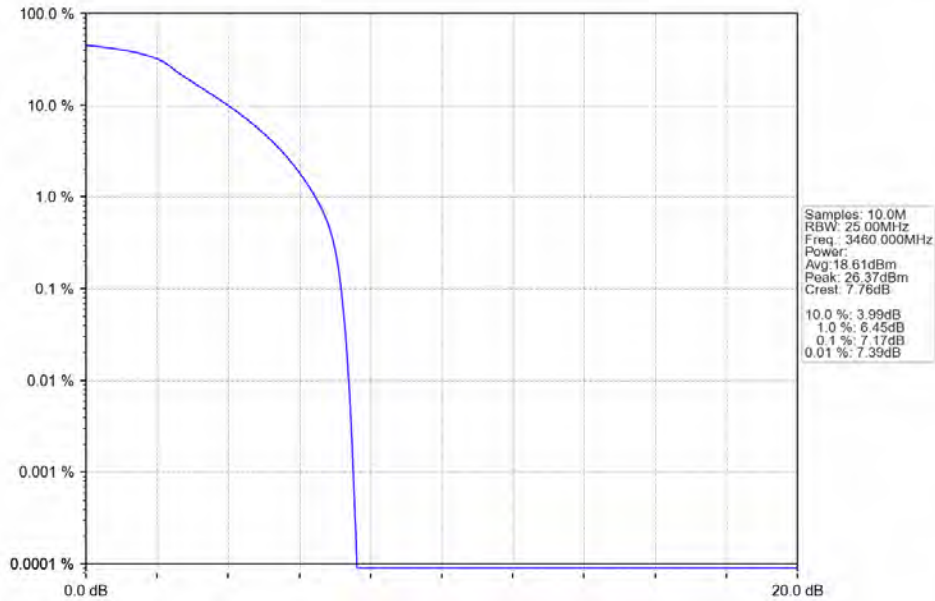
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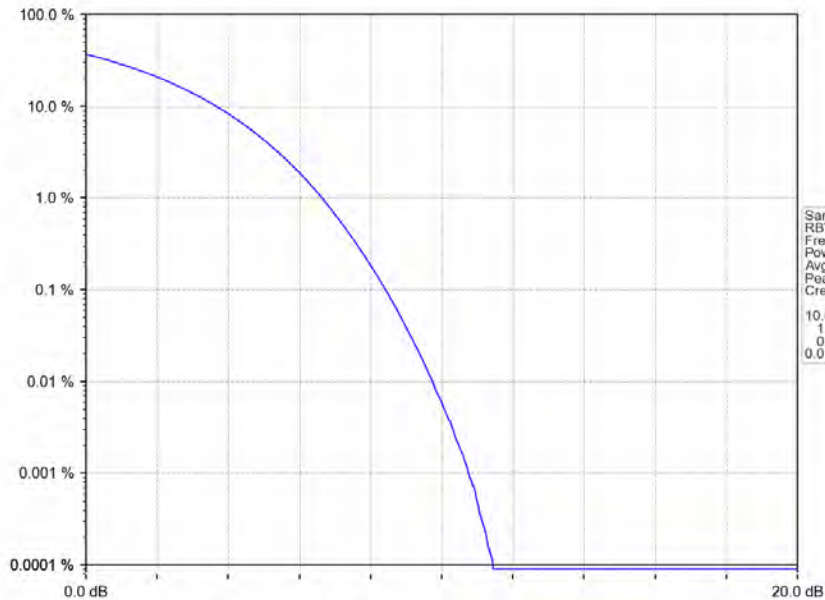
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Samples: 10.0M
RBW: 25.00MHz
Freq: 3500.000MHz
Power:
Avg: -24.90dBm
Peak: -12.96dBm
Crest: 11.94dB
10.0%: 3.66dB
1.0%: 6.63dB
0.1%: 8.42dB
0.01%: 9.74dB

Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



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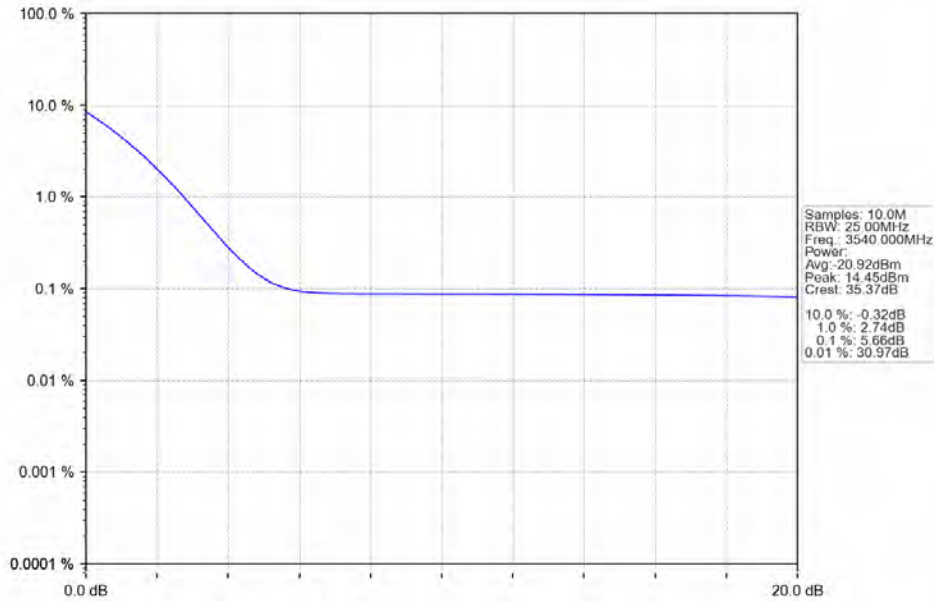
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5. Spurious Emission & Band Edges

5.1 B42a_5MHz

5.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3547.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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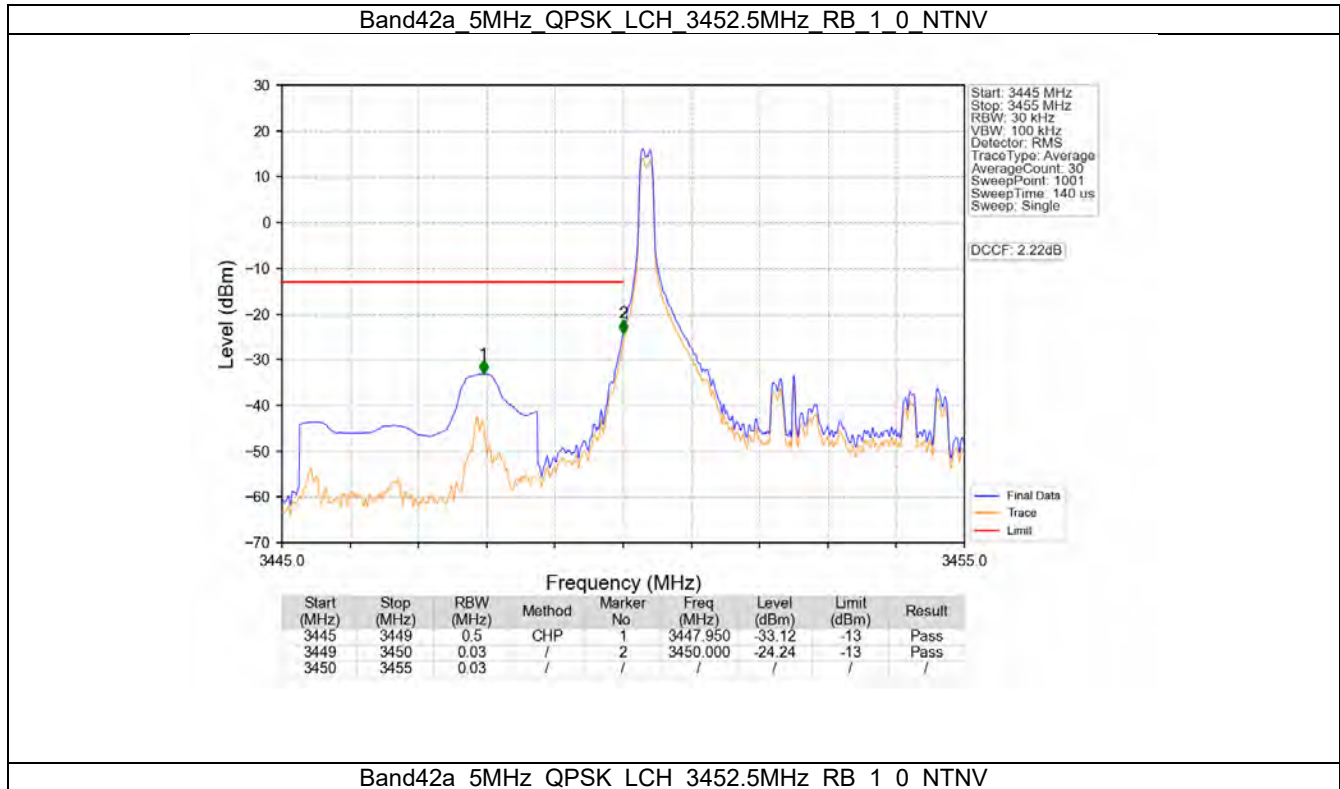
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5.1.2 Test Graph



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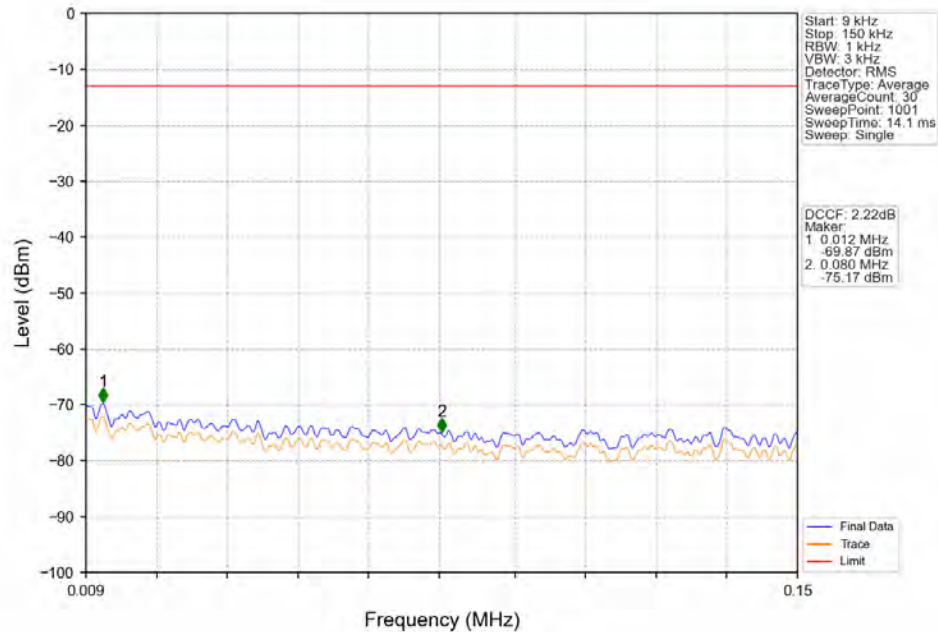
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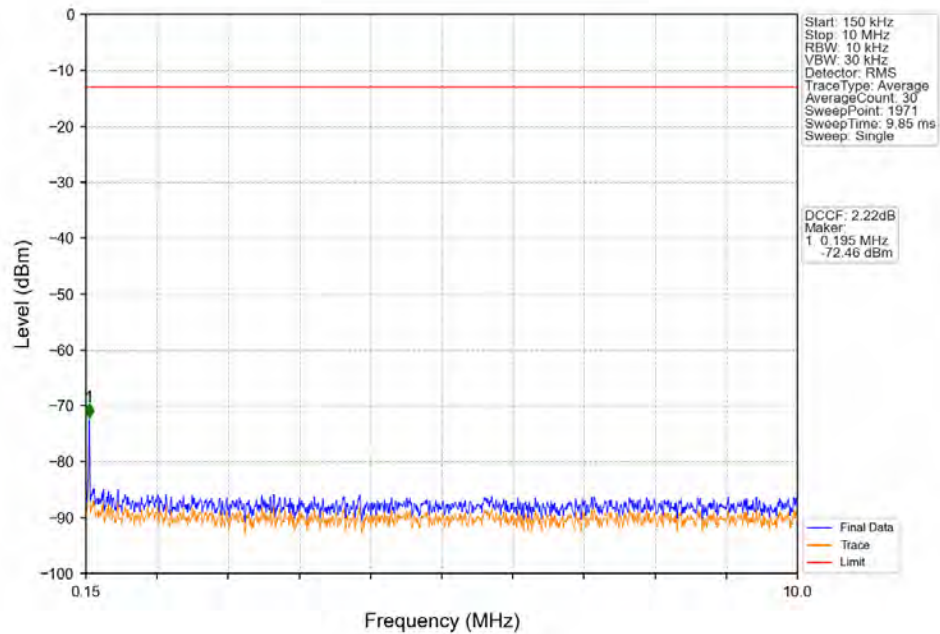
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Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



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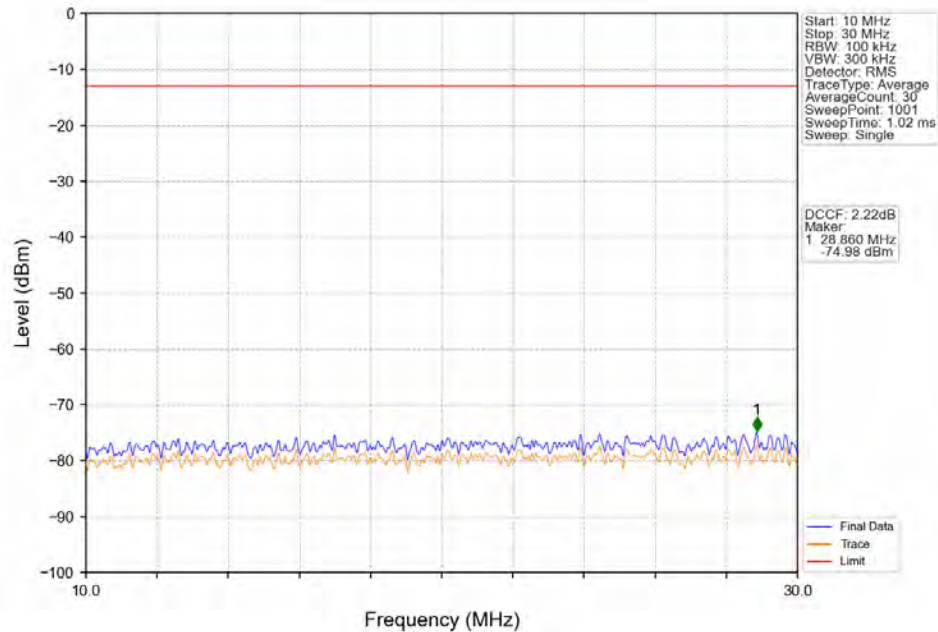
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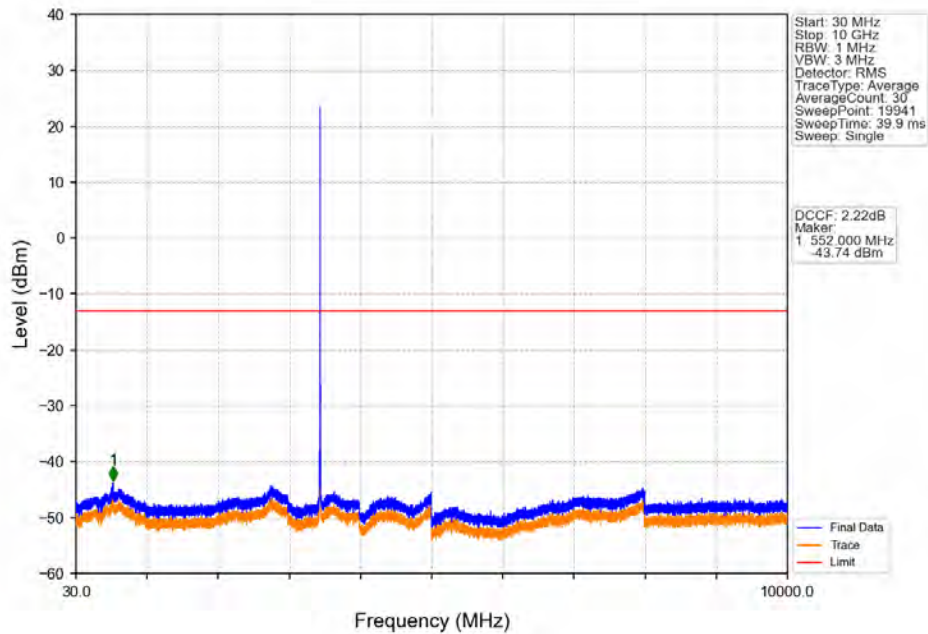
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Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



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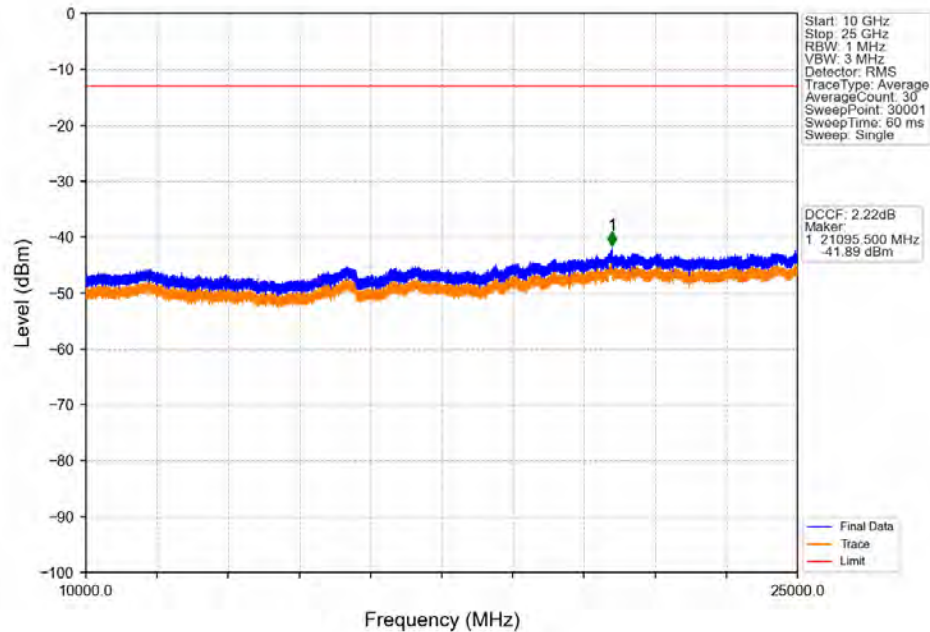
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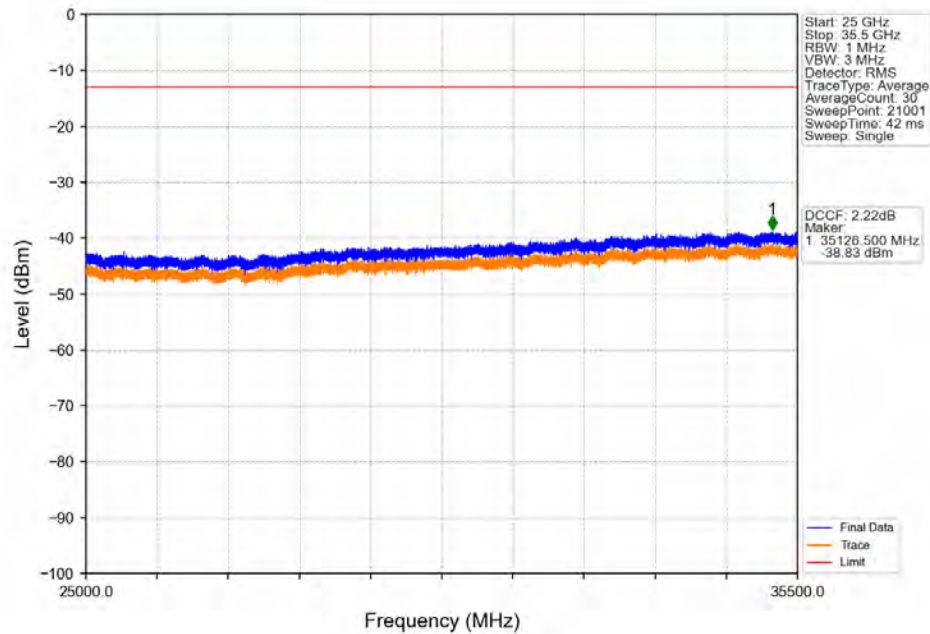
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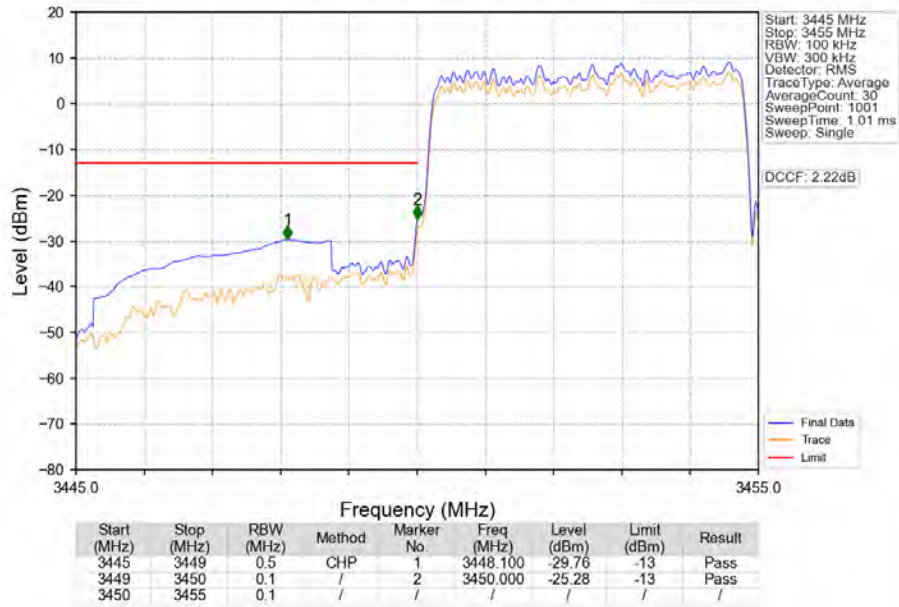
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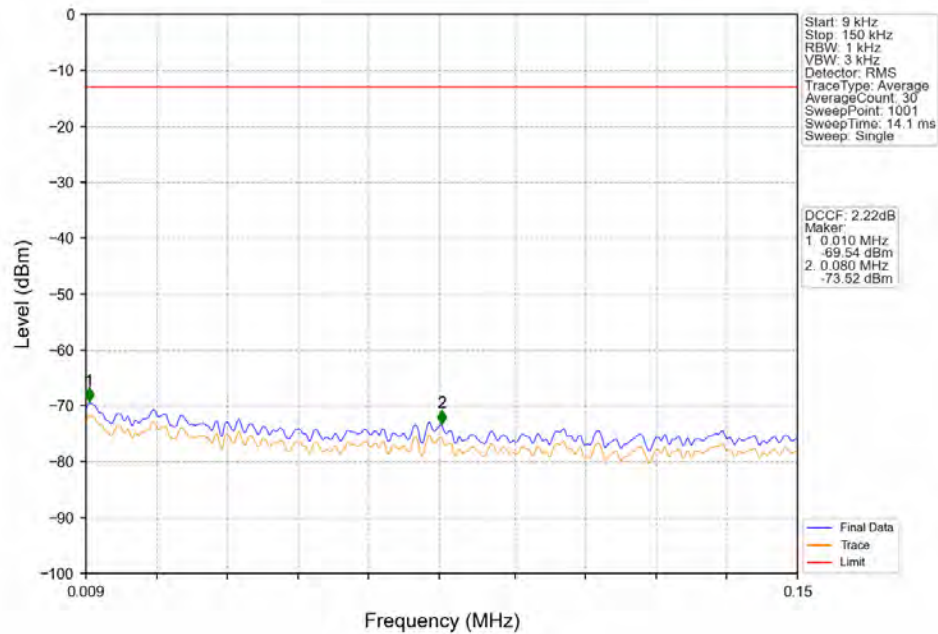
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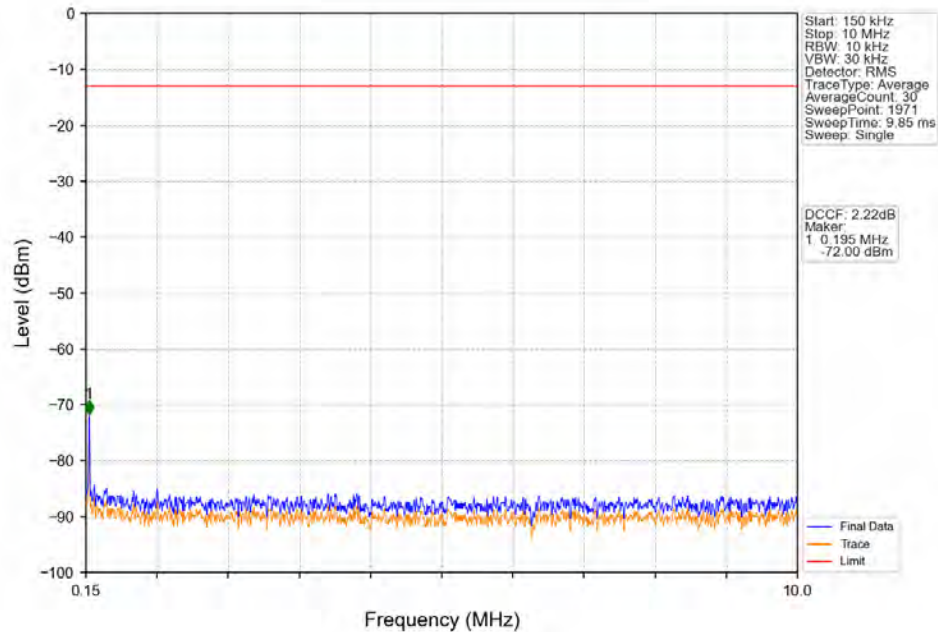
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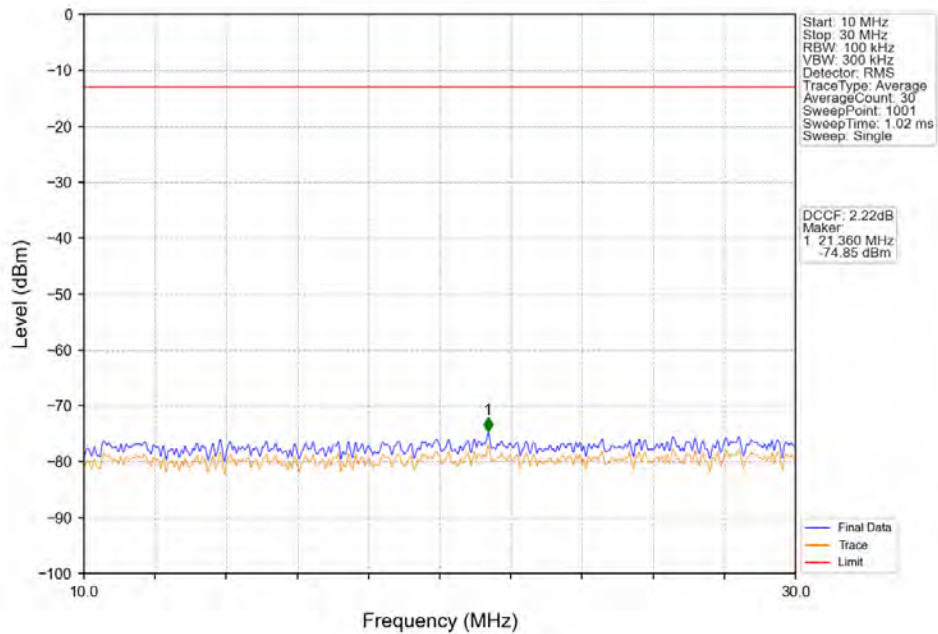
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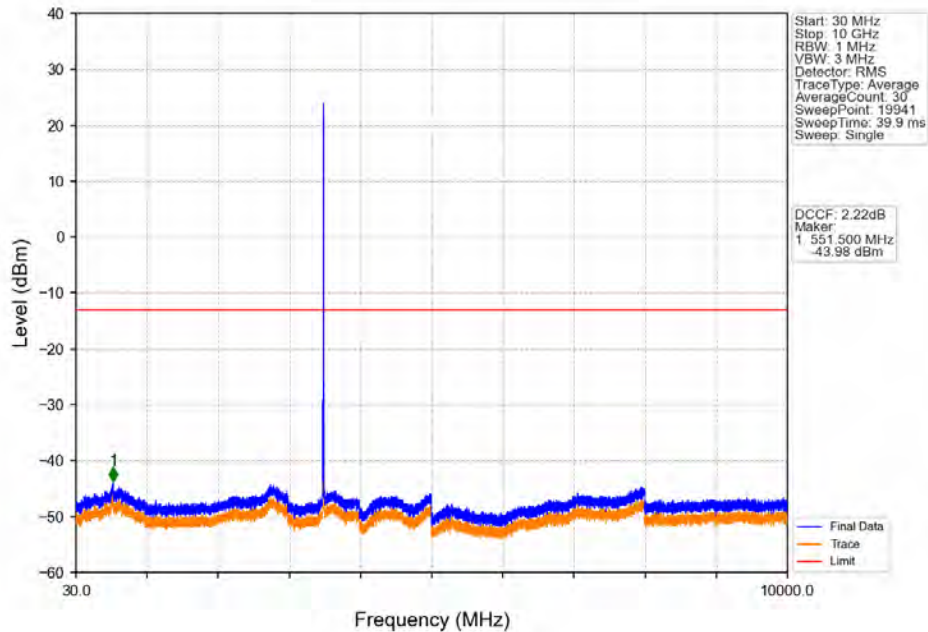
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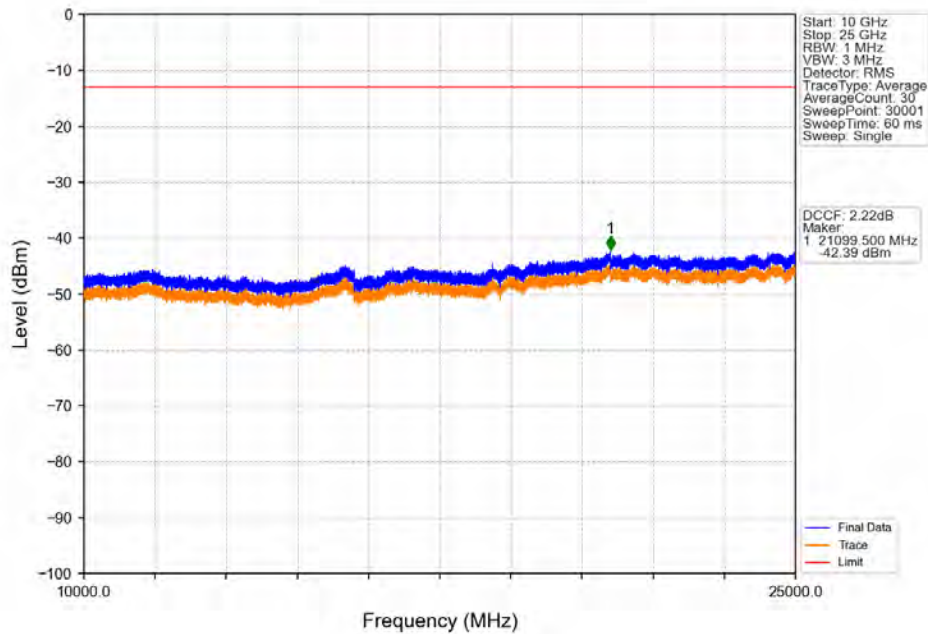
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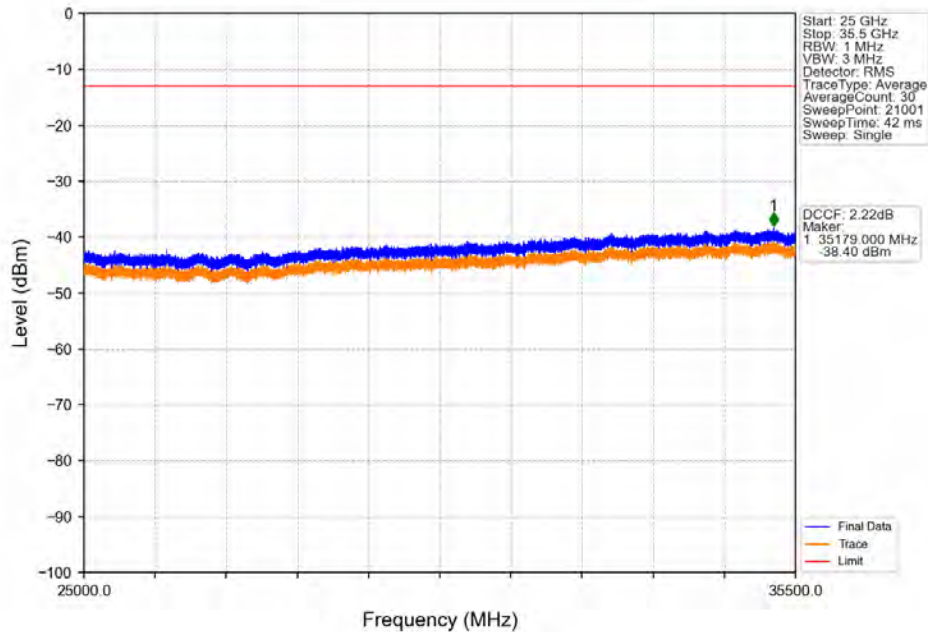
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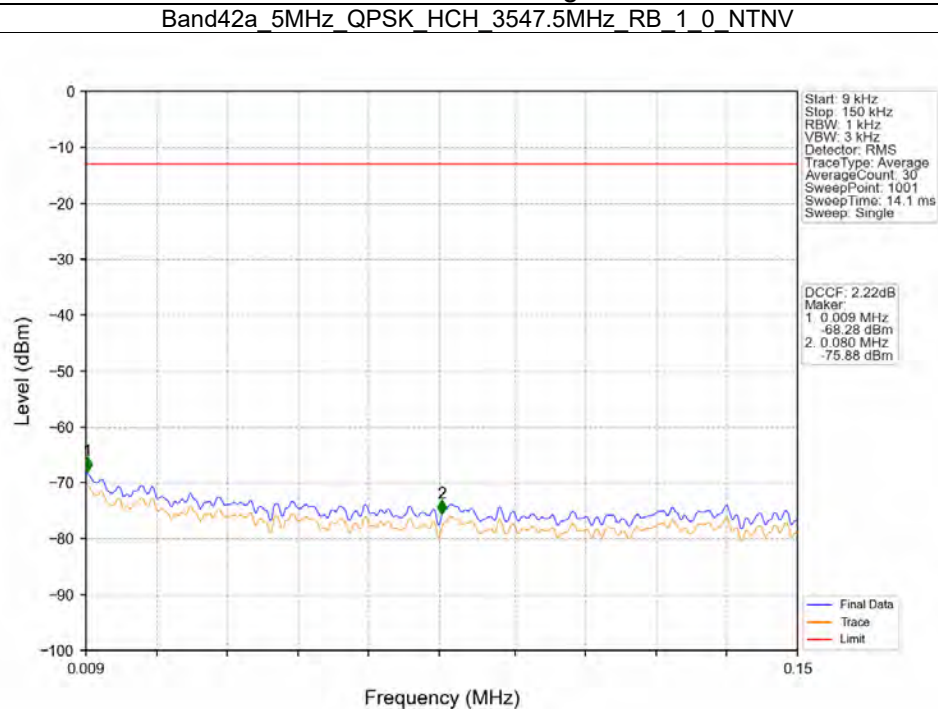
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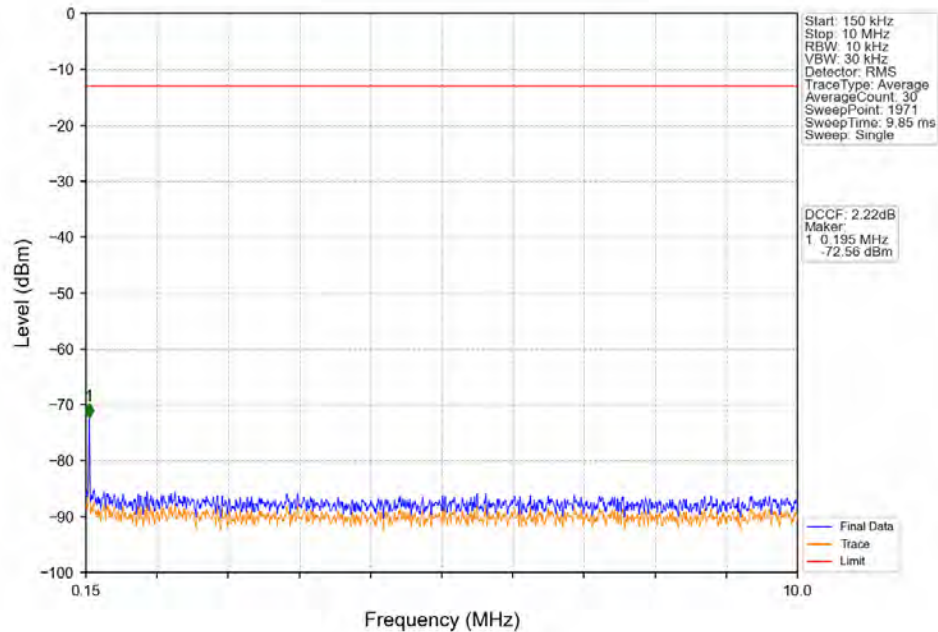
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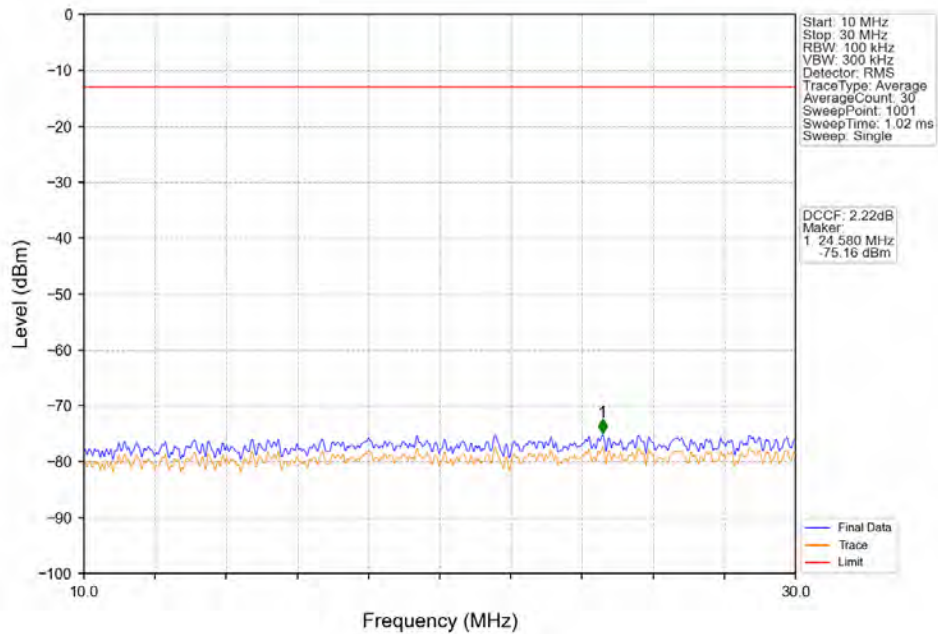
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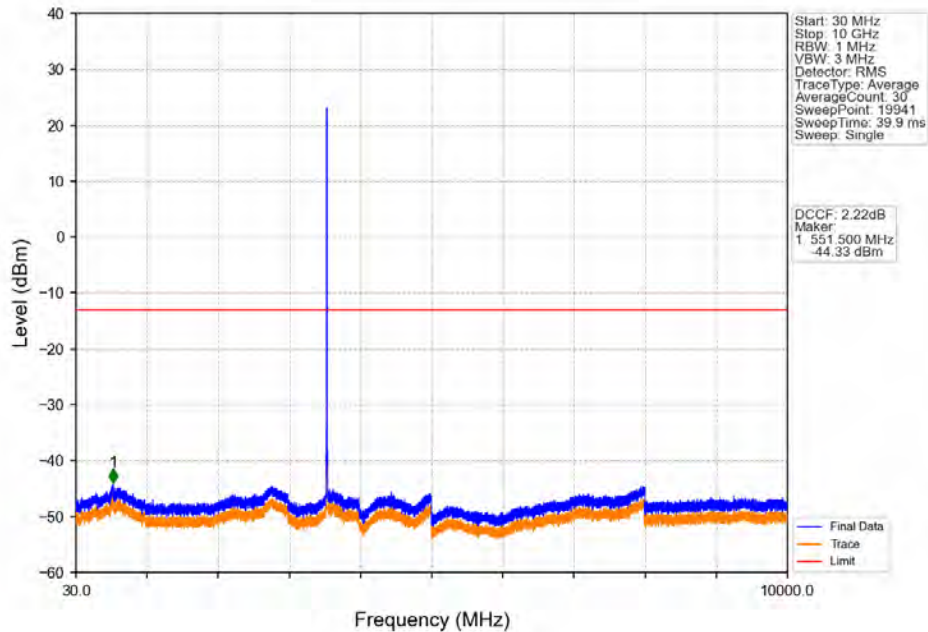
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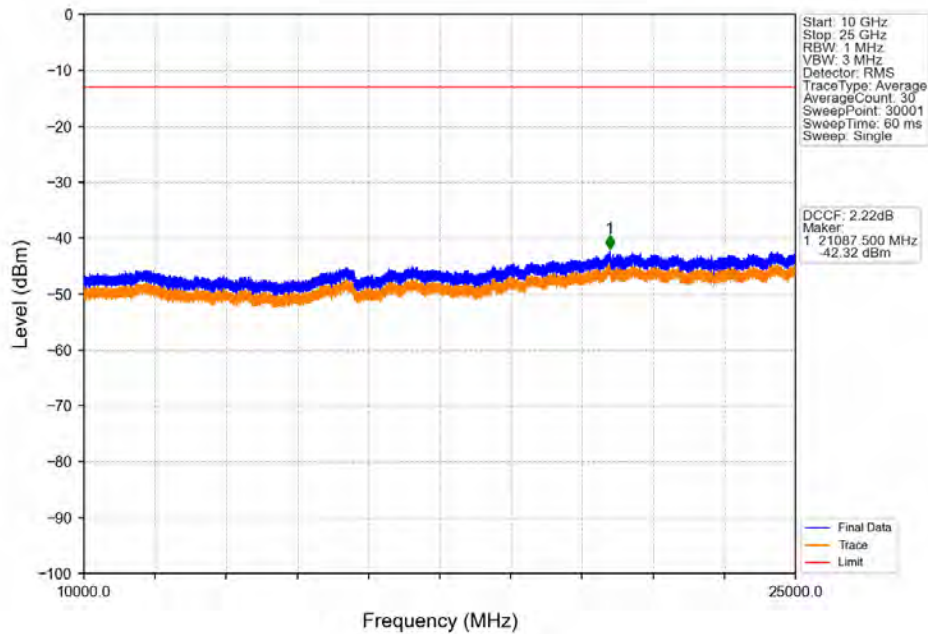
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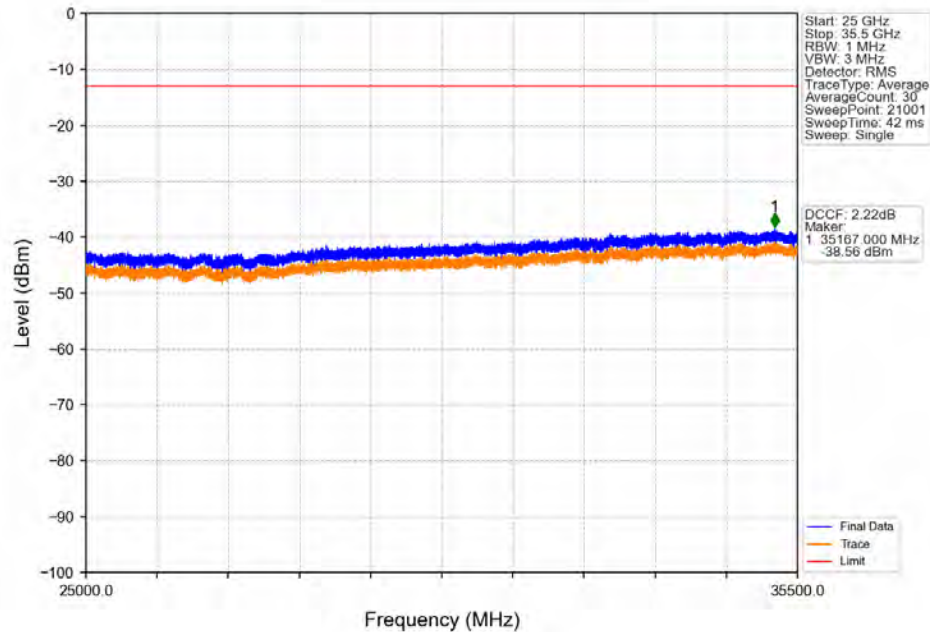
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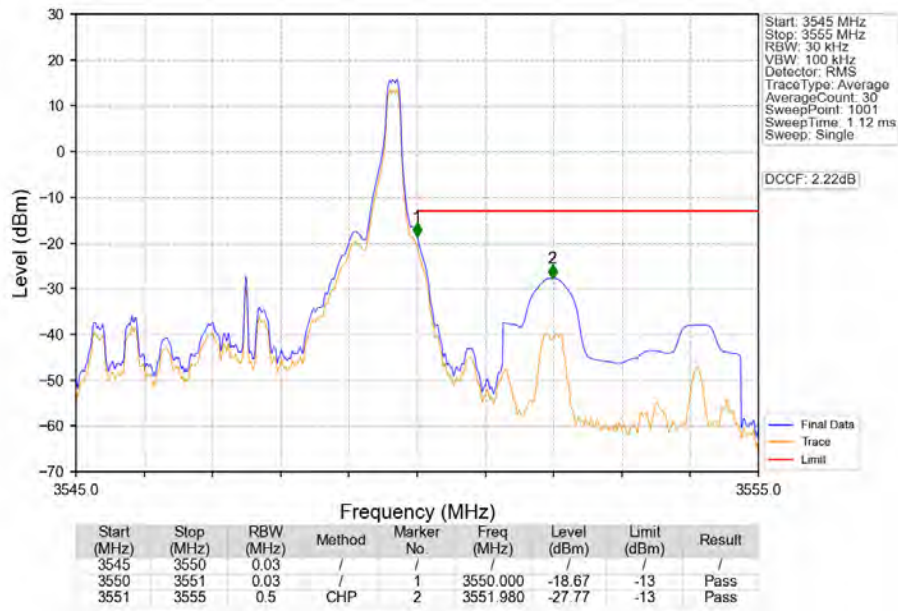
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Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



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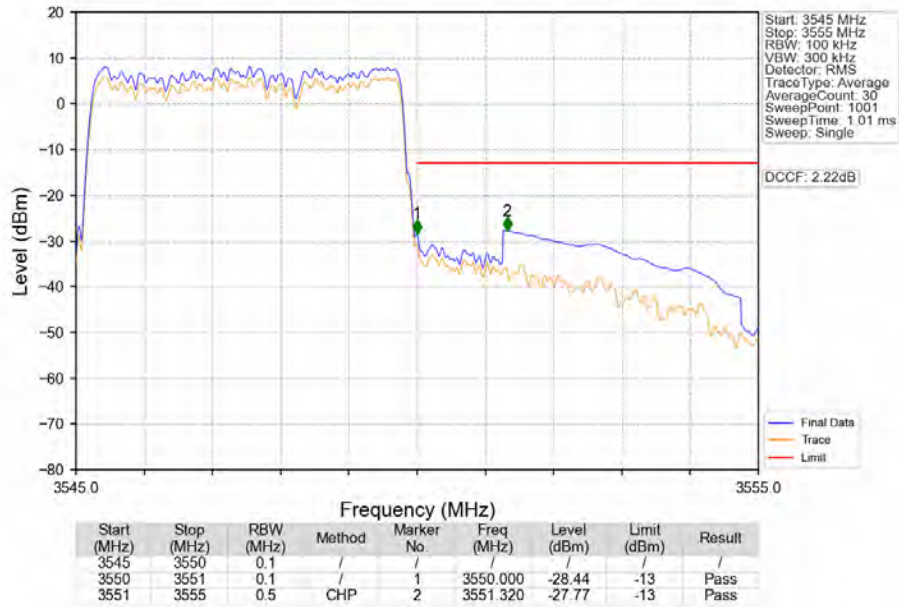
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5.2 B42a_10MHz

5.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3545	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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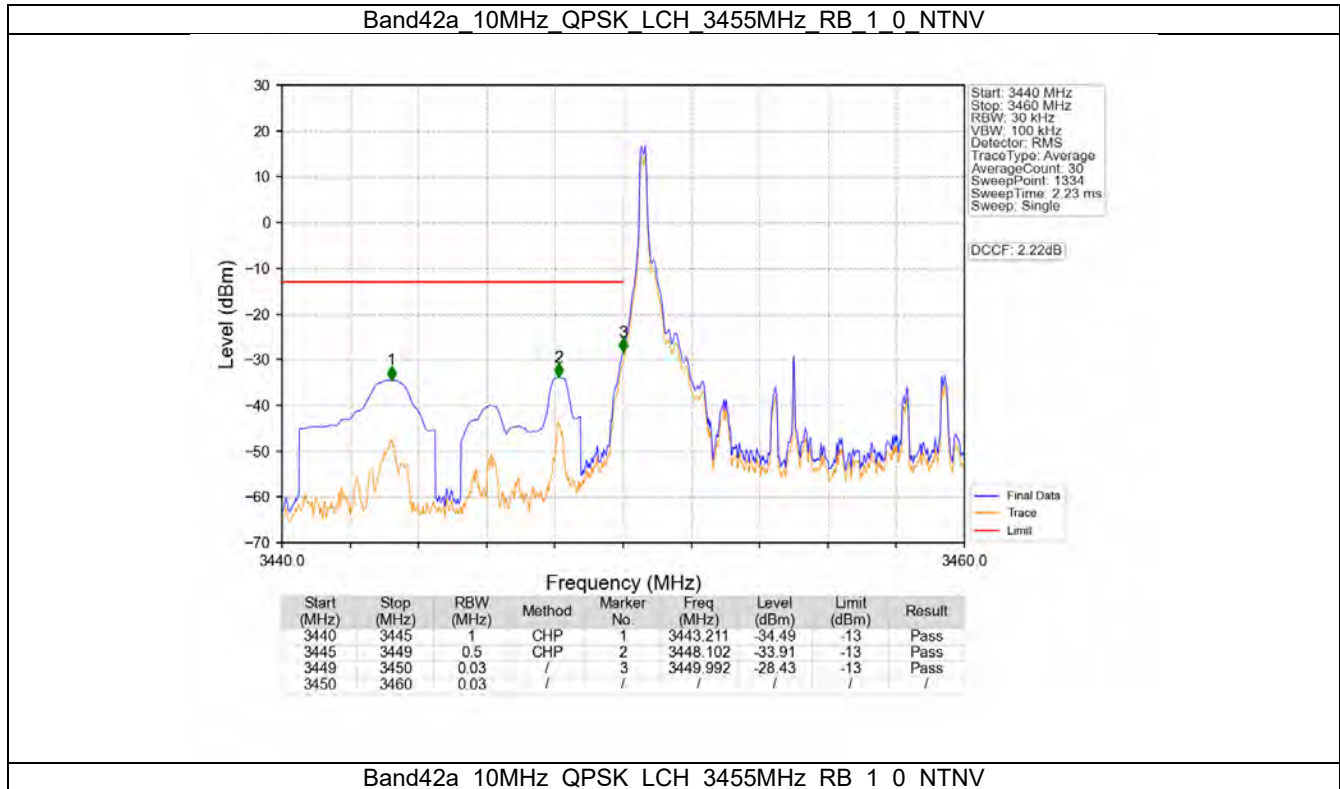
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5.2.2 Test Graph



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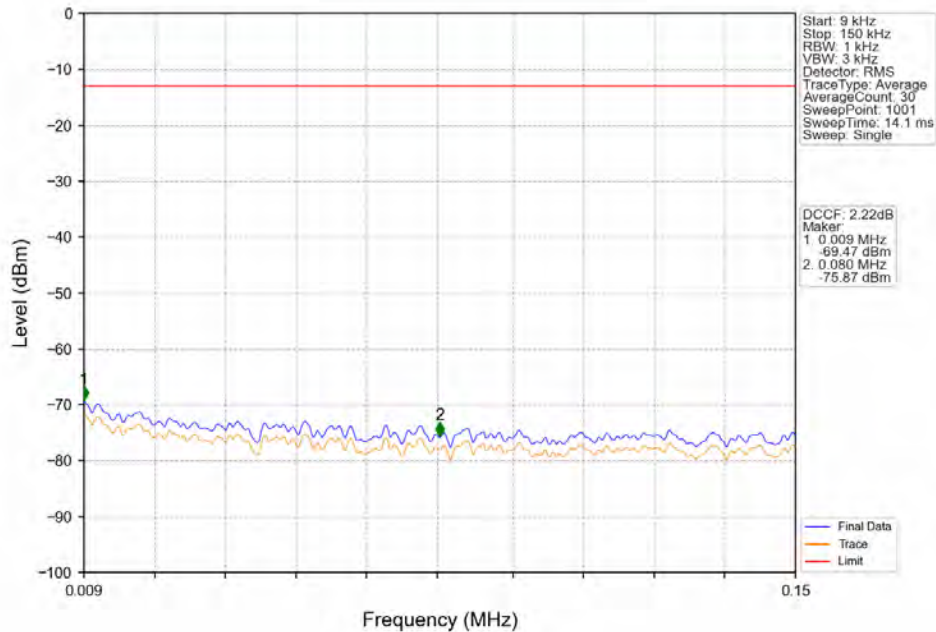
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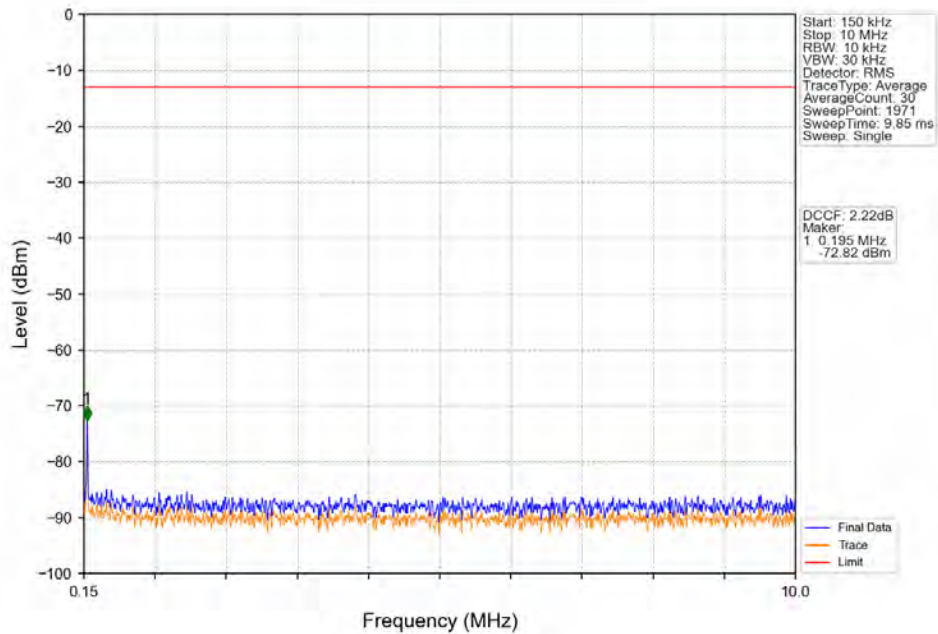
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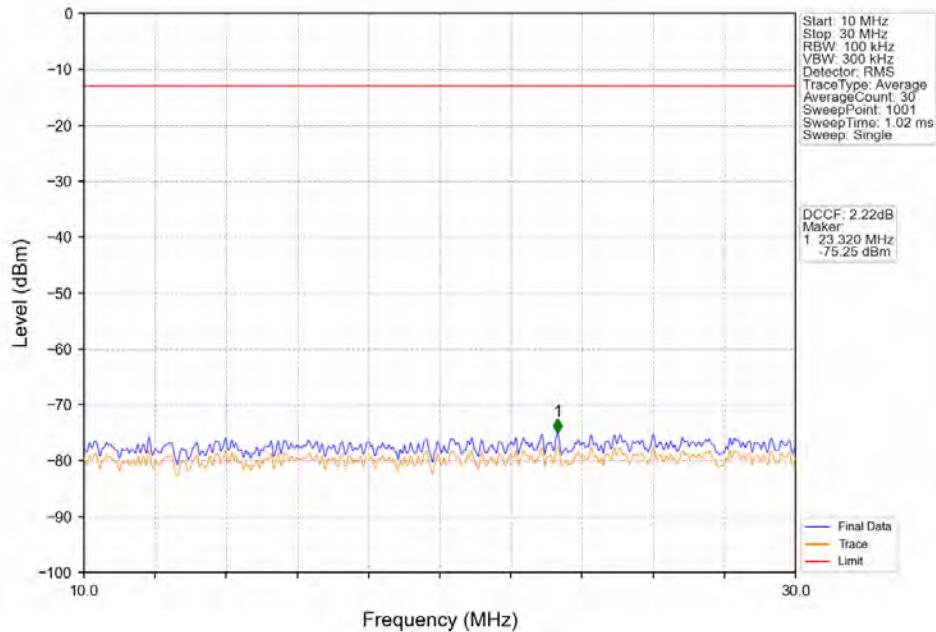
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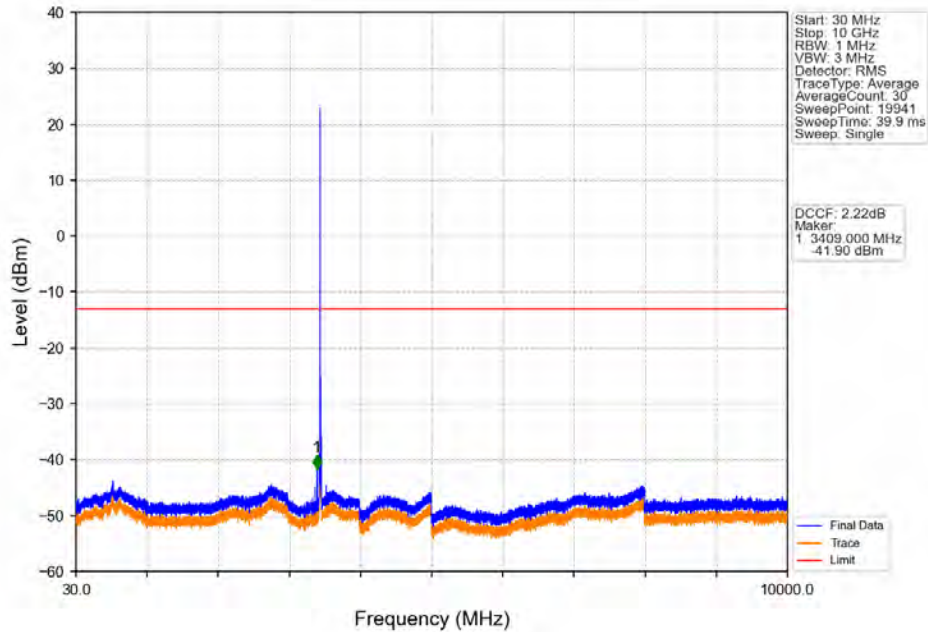
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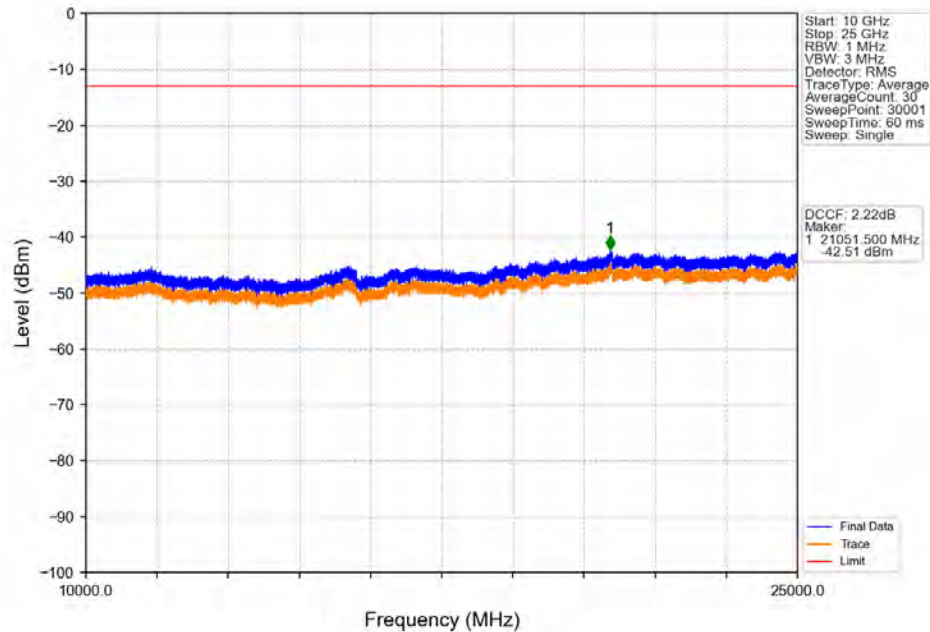
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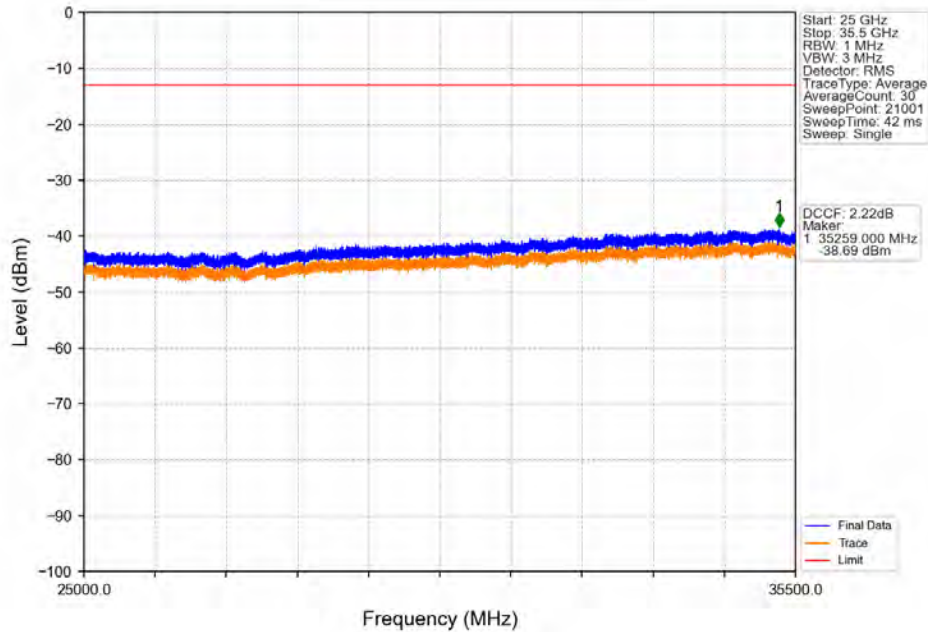
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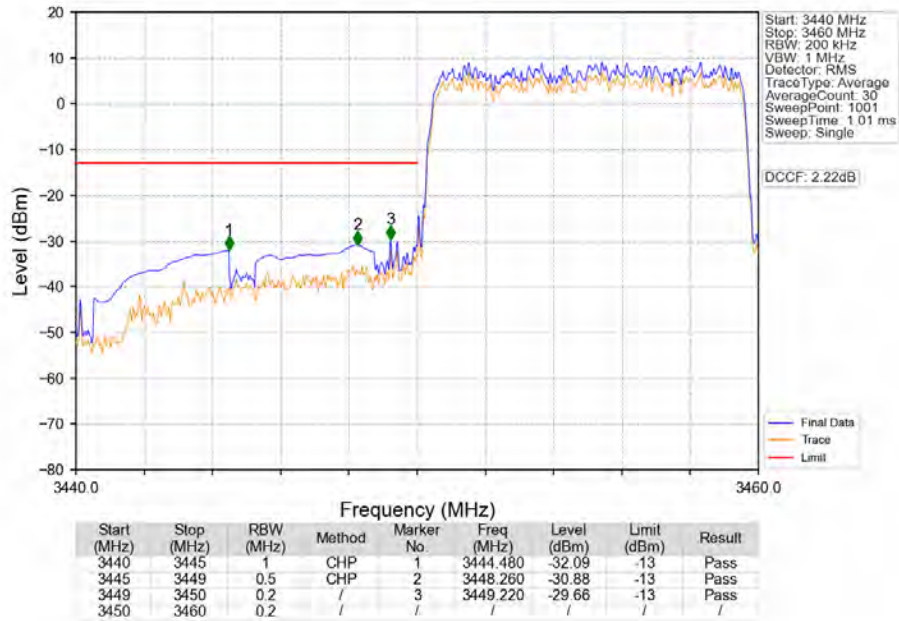
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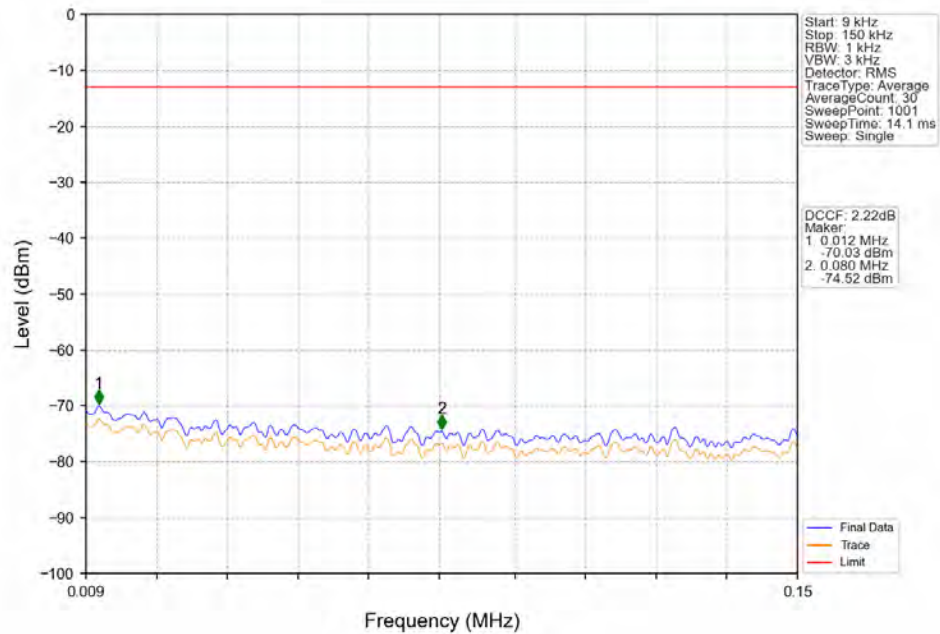
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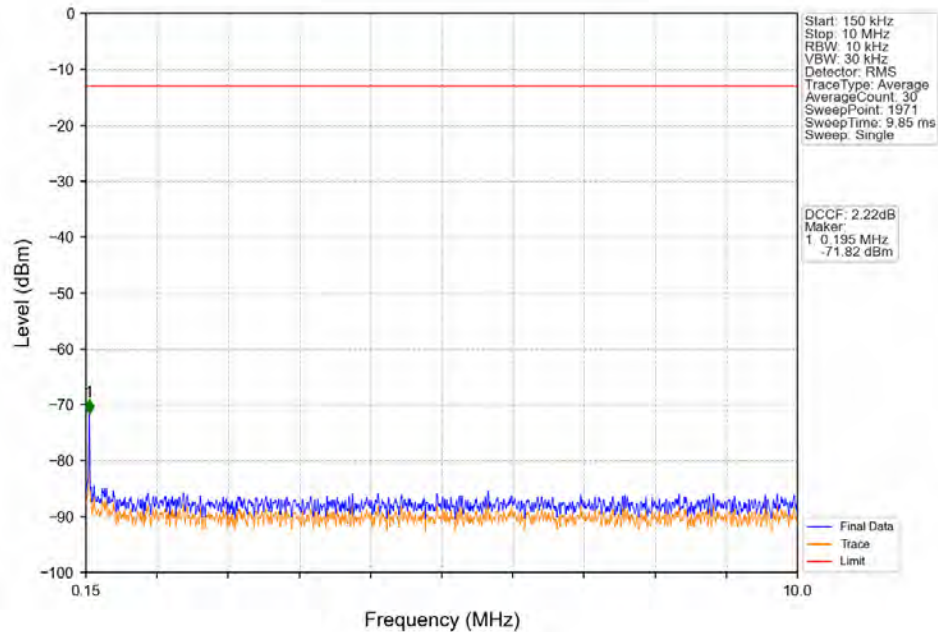
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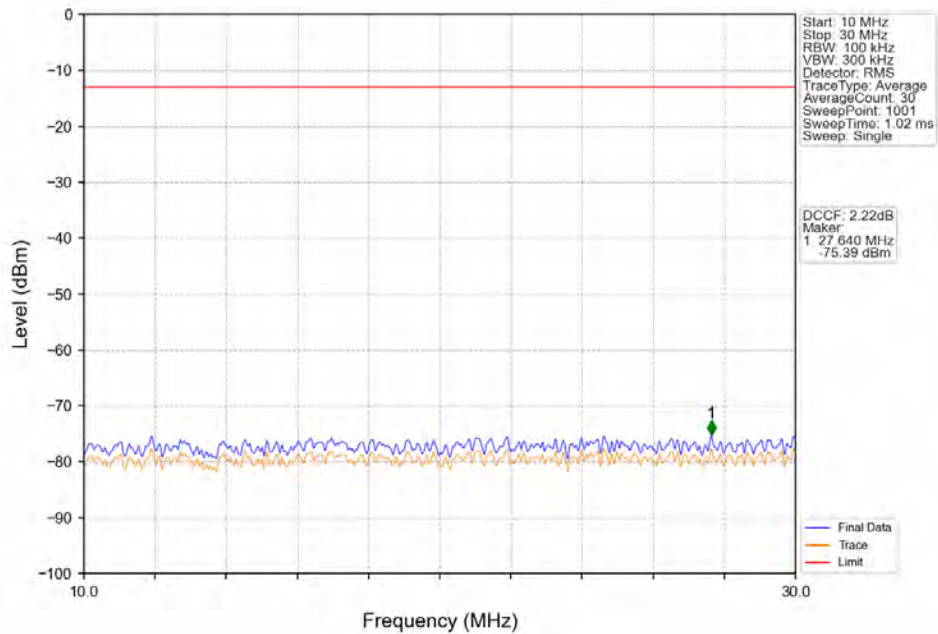
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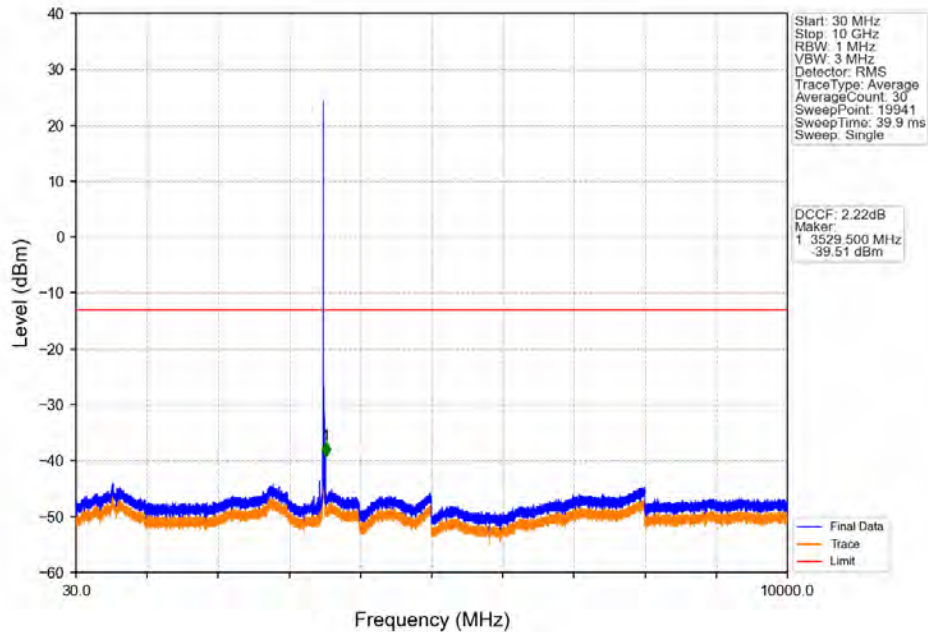
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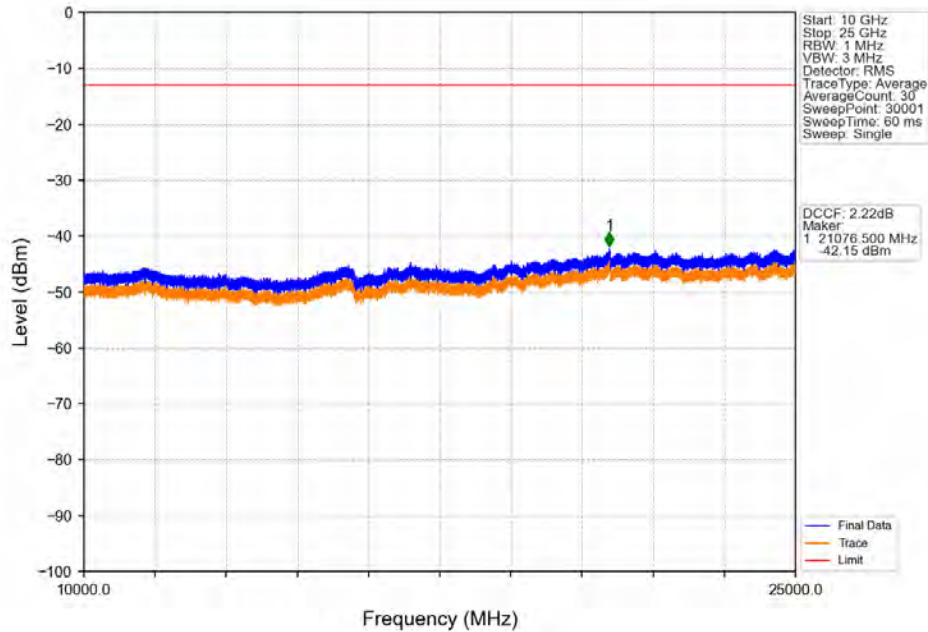
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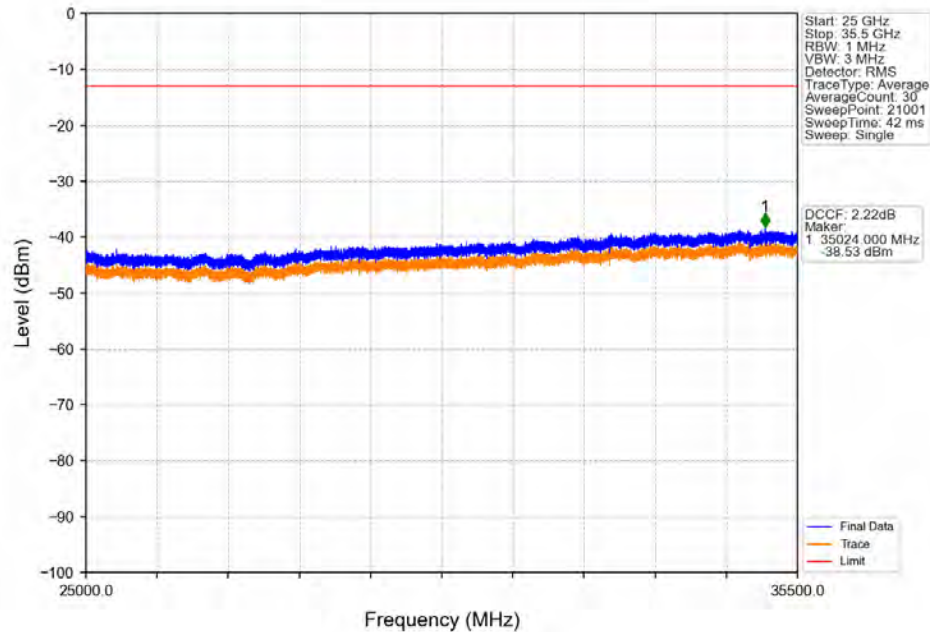
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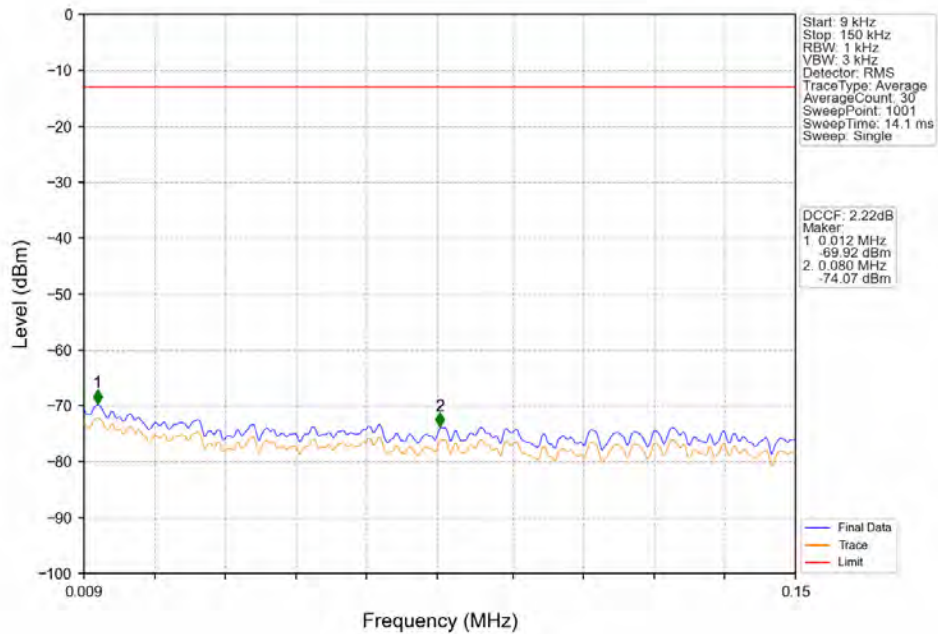
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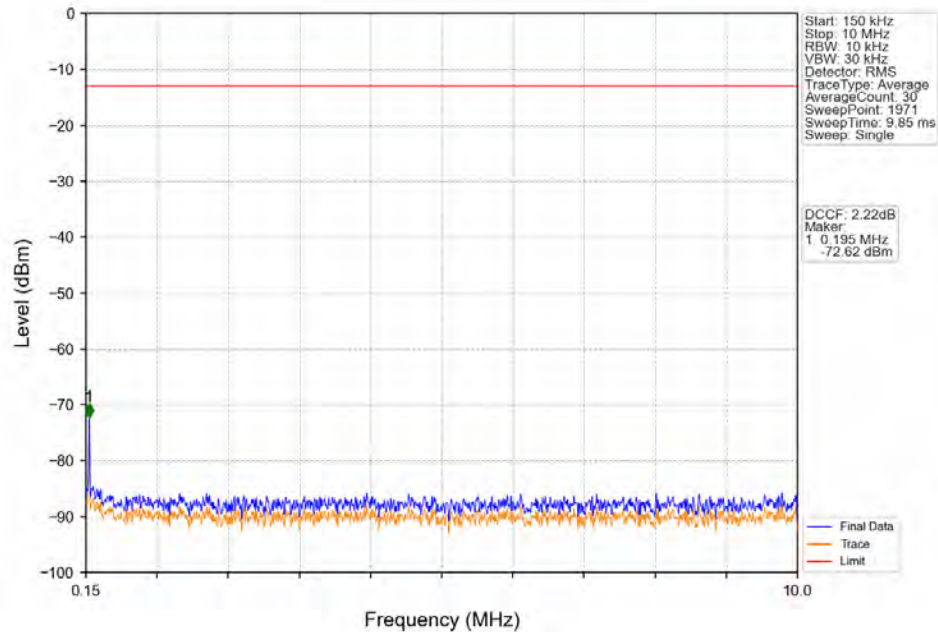
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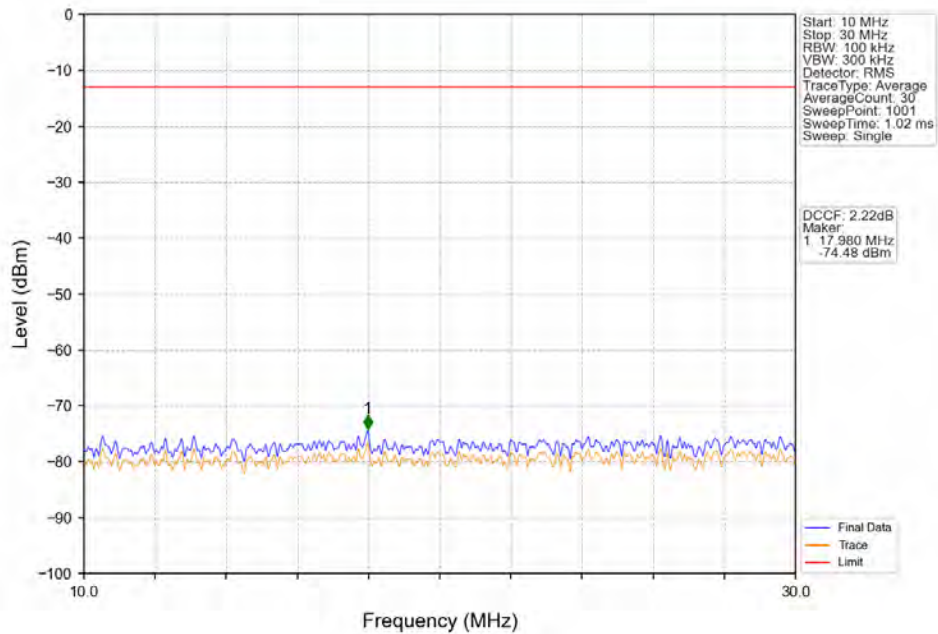
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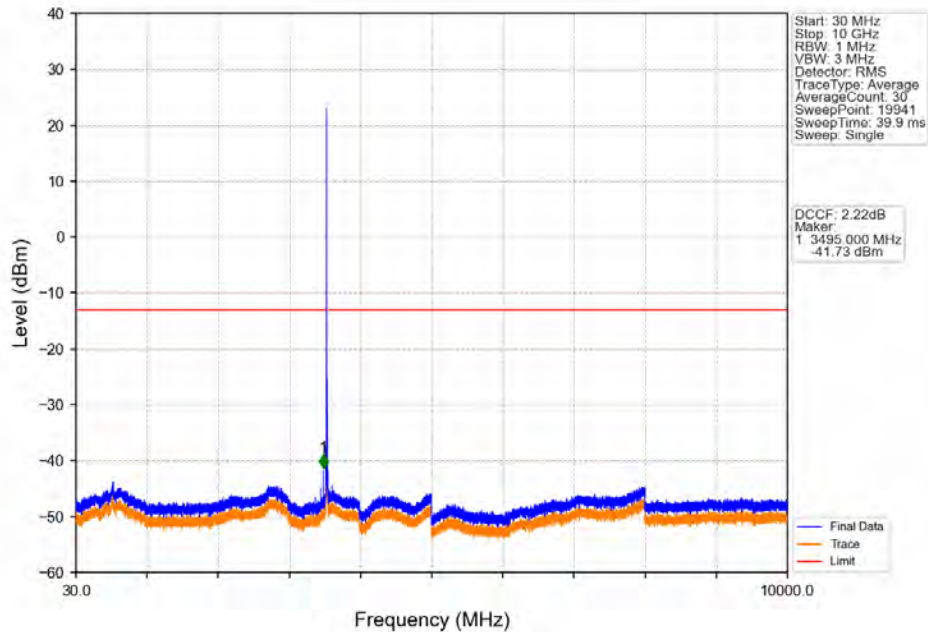
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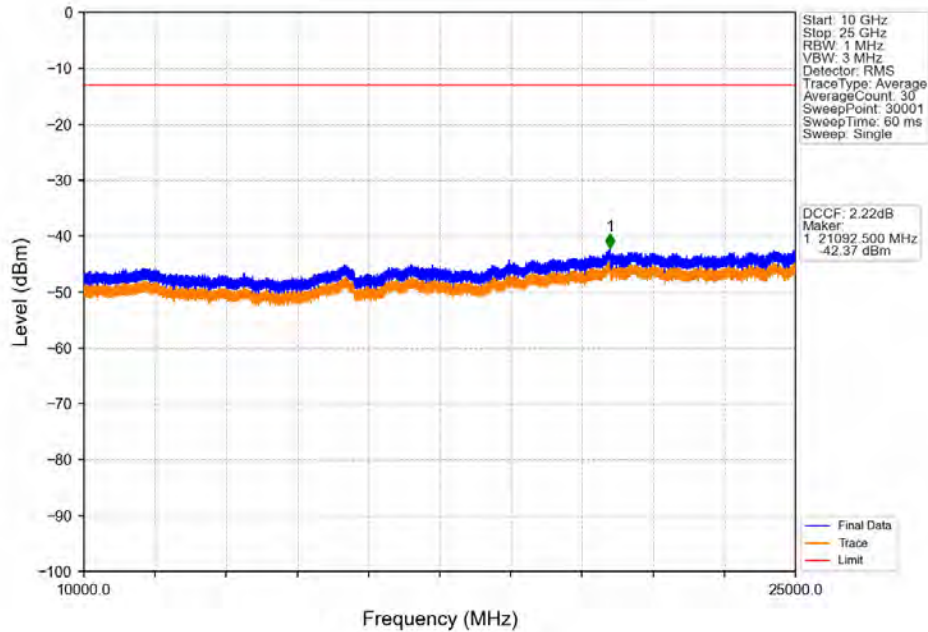
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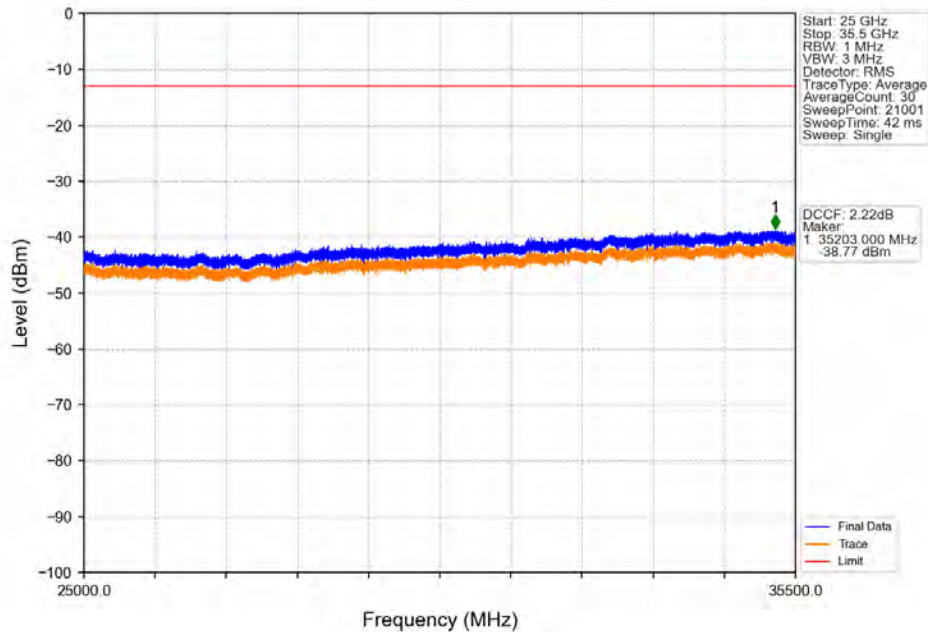
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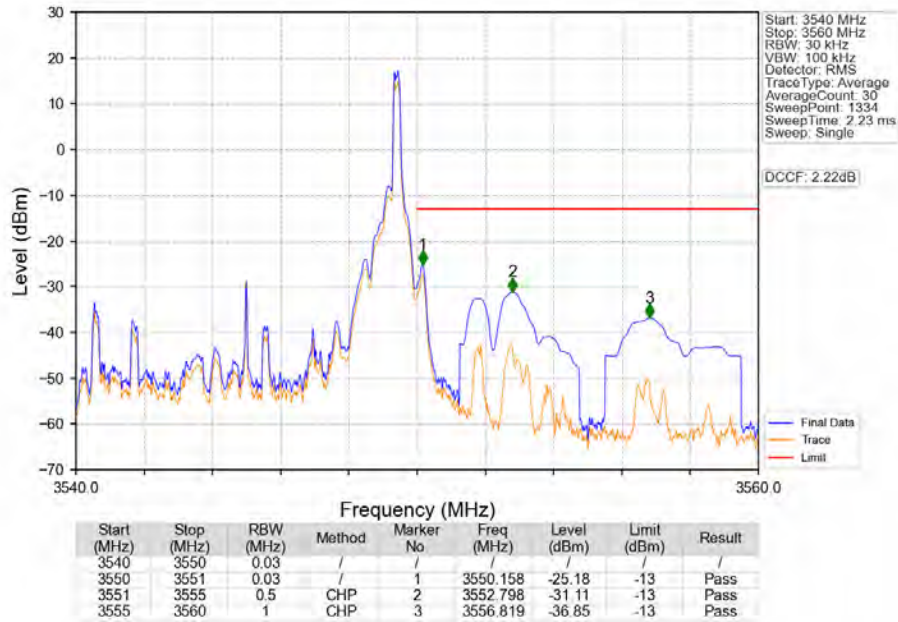
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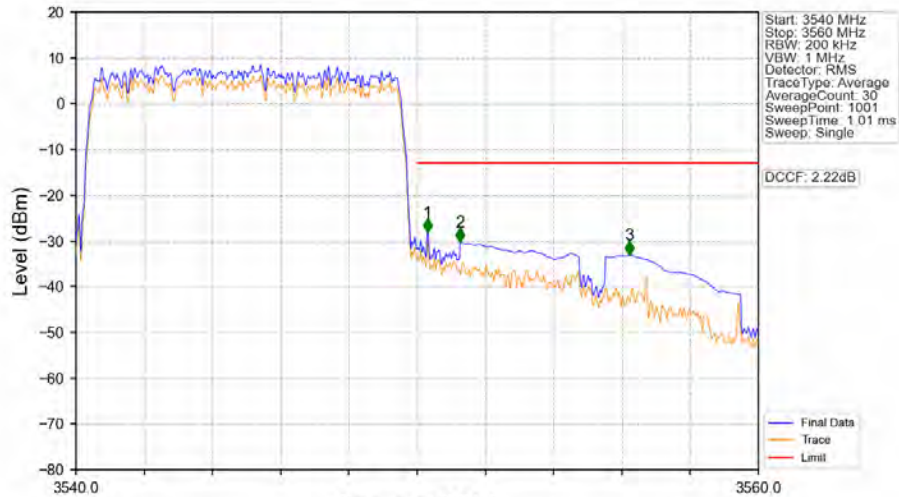
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.300	-28.15	-13	Pass
3551	3555	0.5	CHP	2	3551.260	-30.21	-13	Pass
3555	3560	1	CHP	3	3556.220	-33.04	-13	Pass



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5.3 B42a_15MHz

5.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	3457.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
	3542.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass



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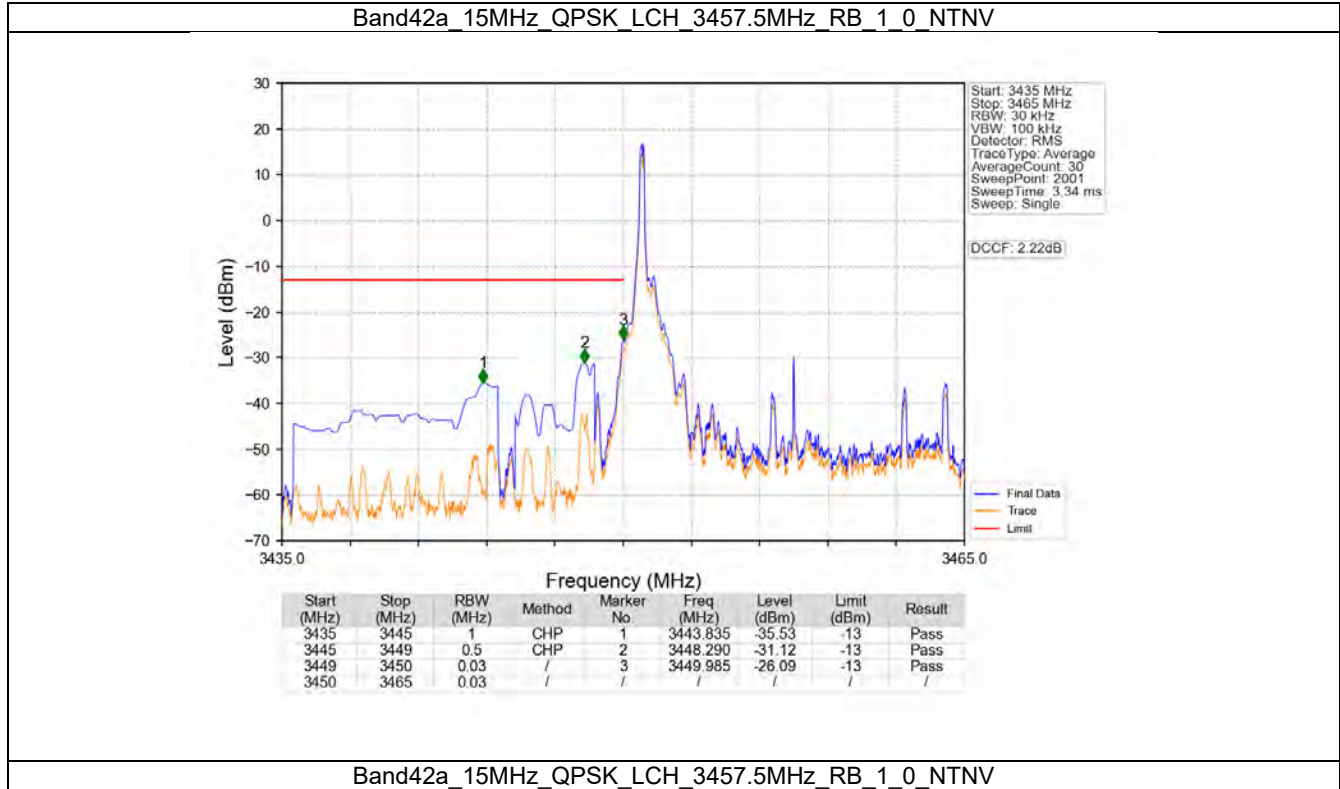
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5.3.2 Test Graph



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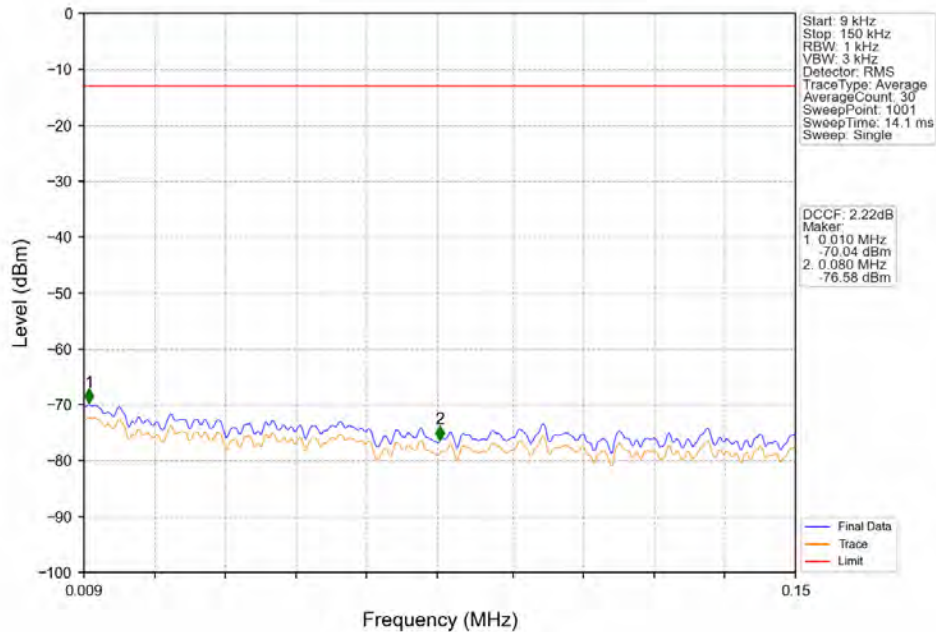
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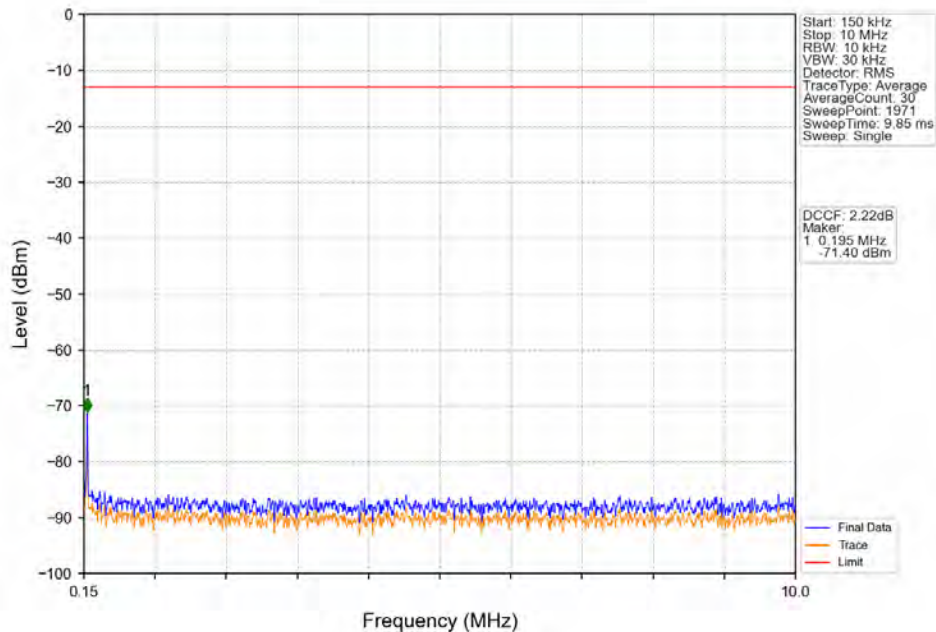
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Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



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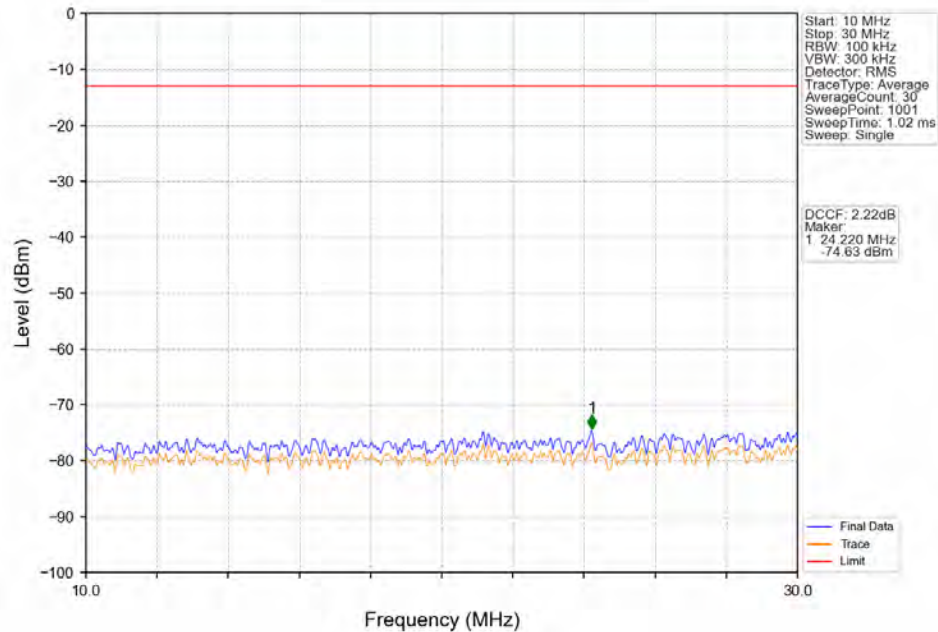
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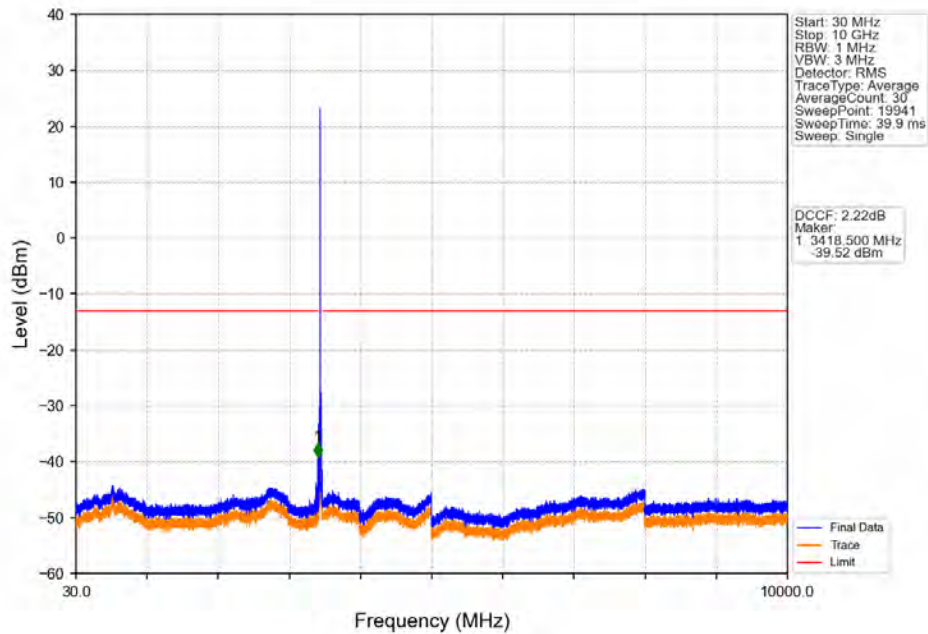
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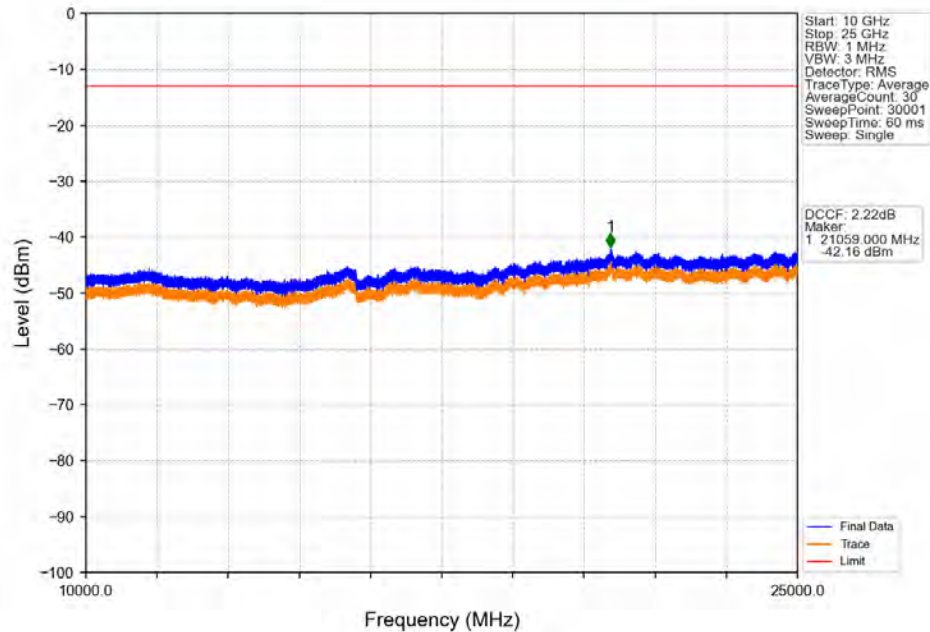
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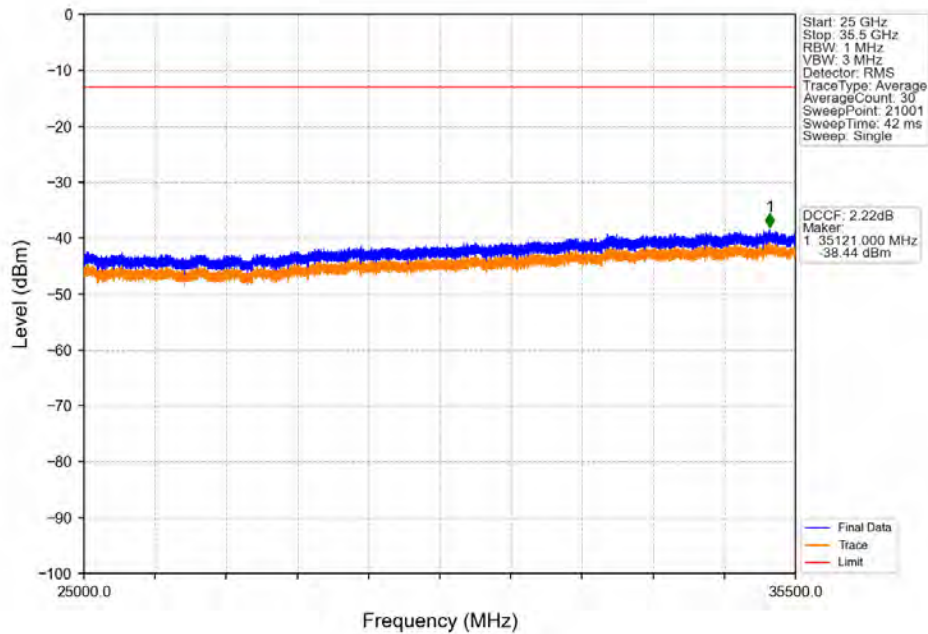
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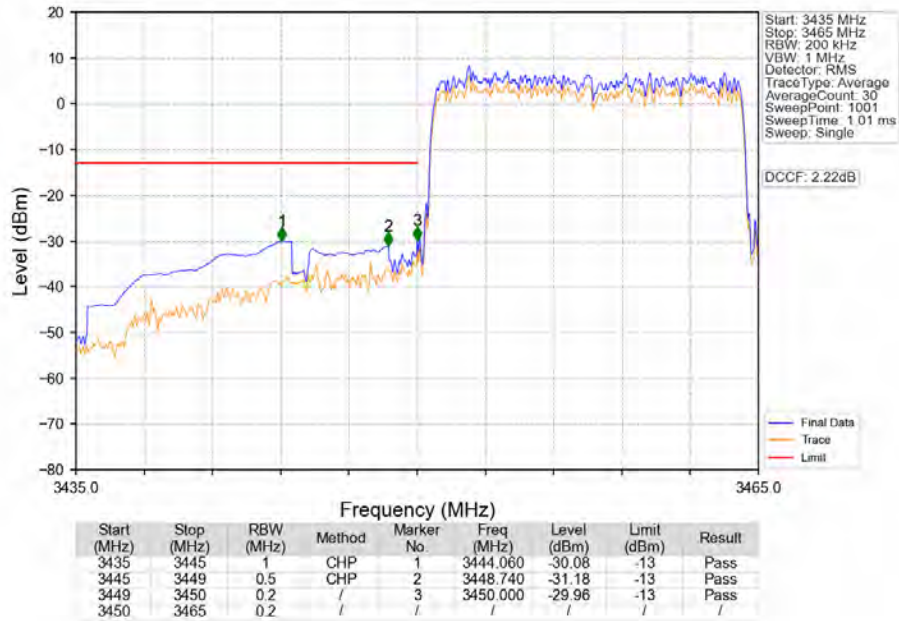
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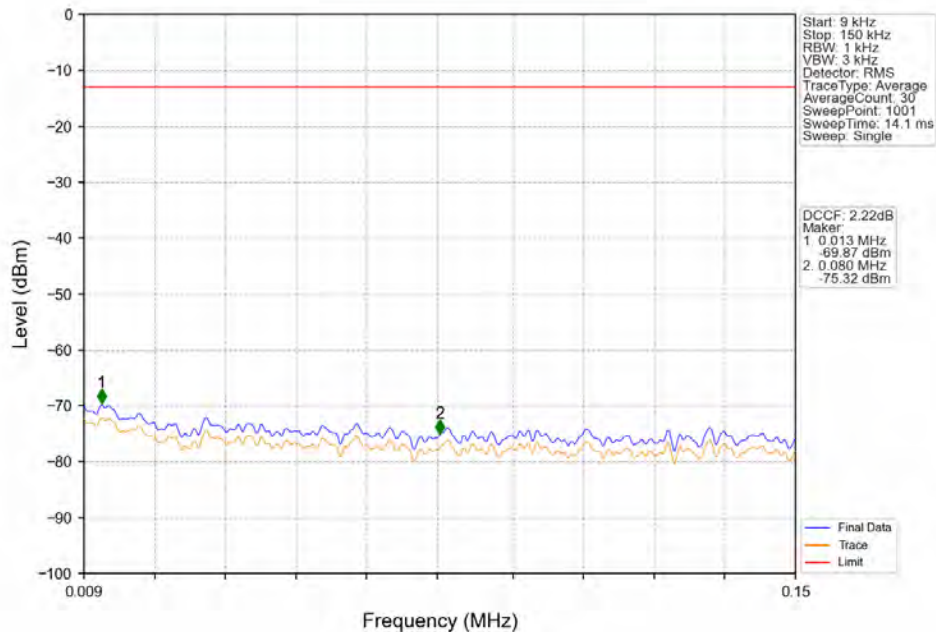
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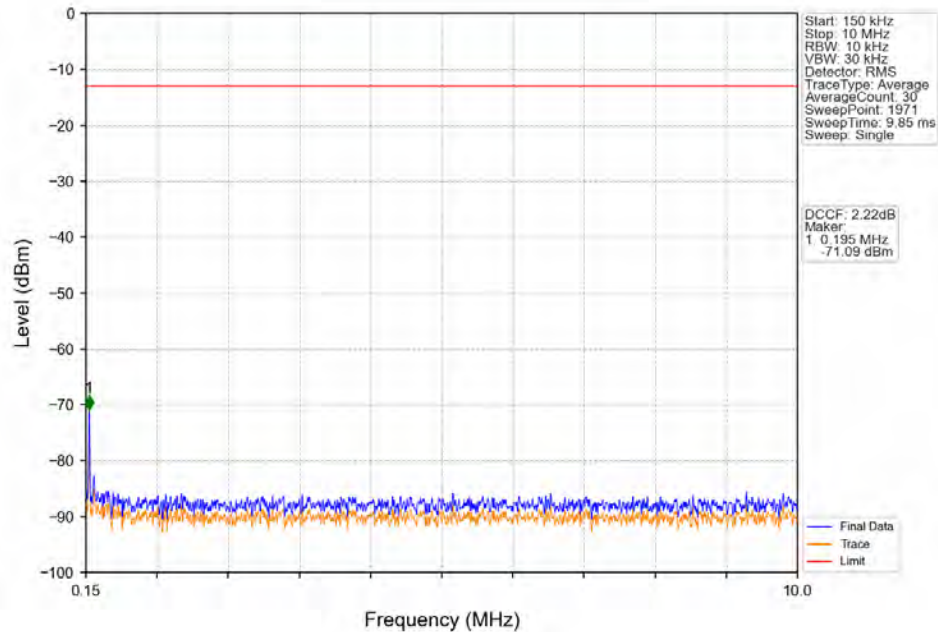
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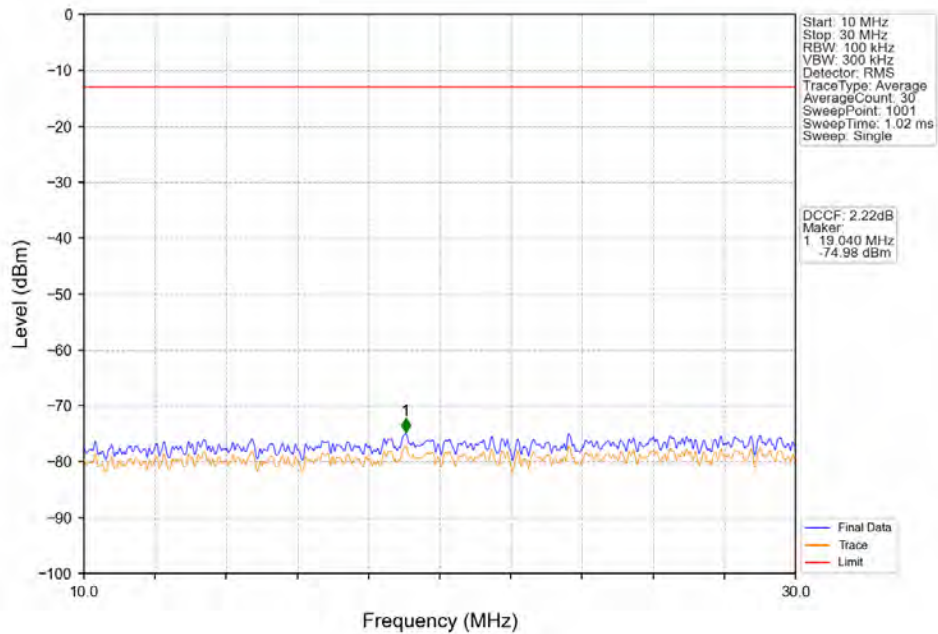
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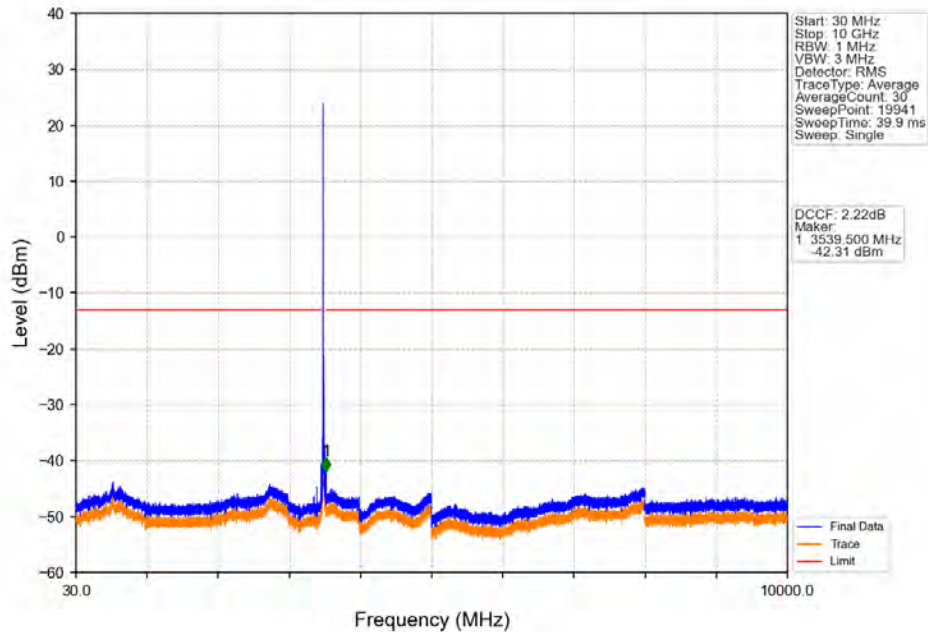
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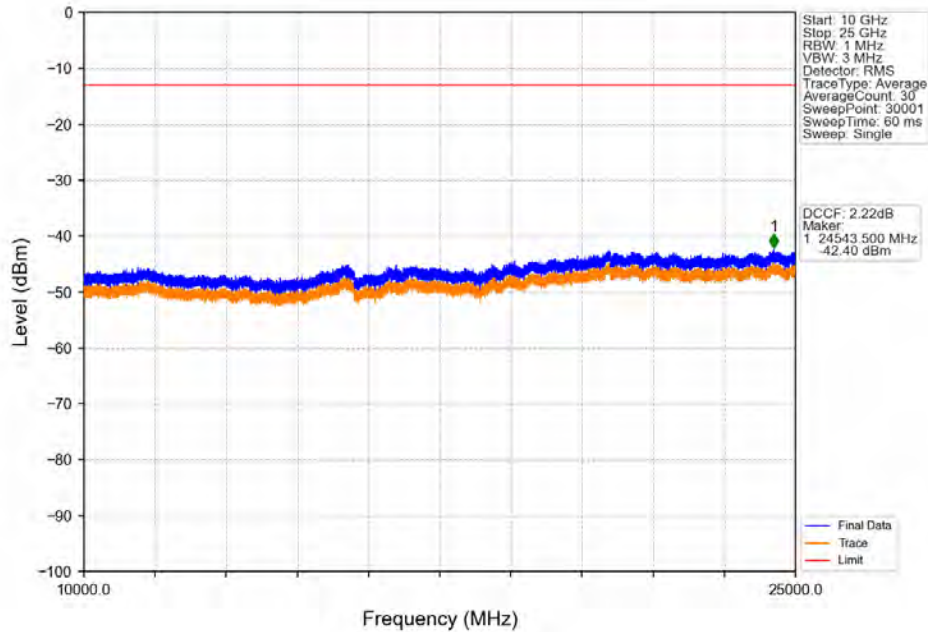
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Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



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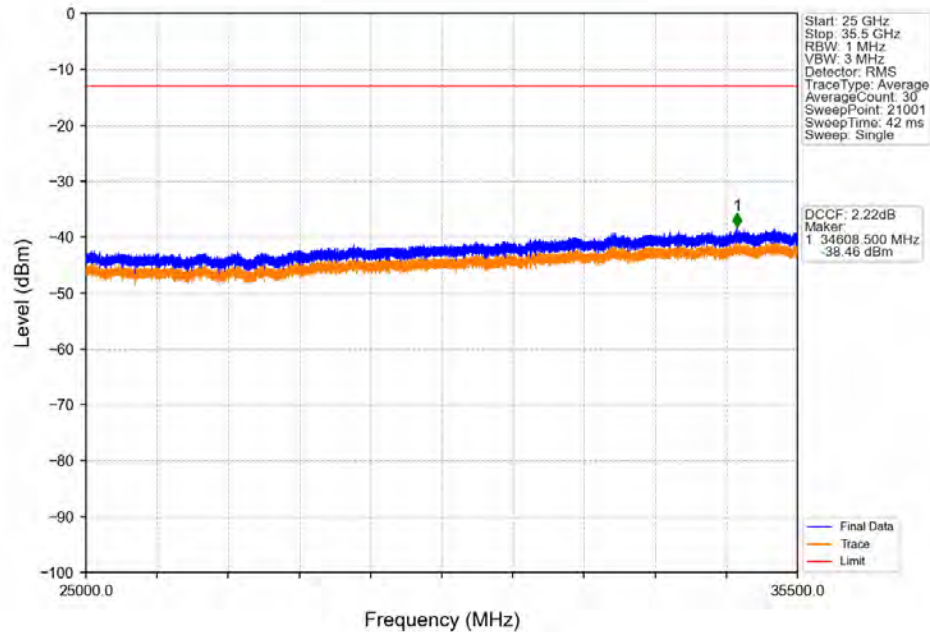
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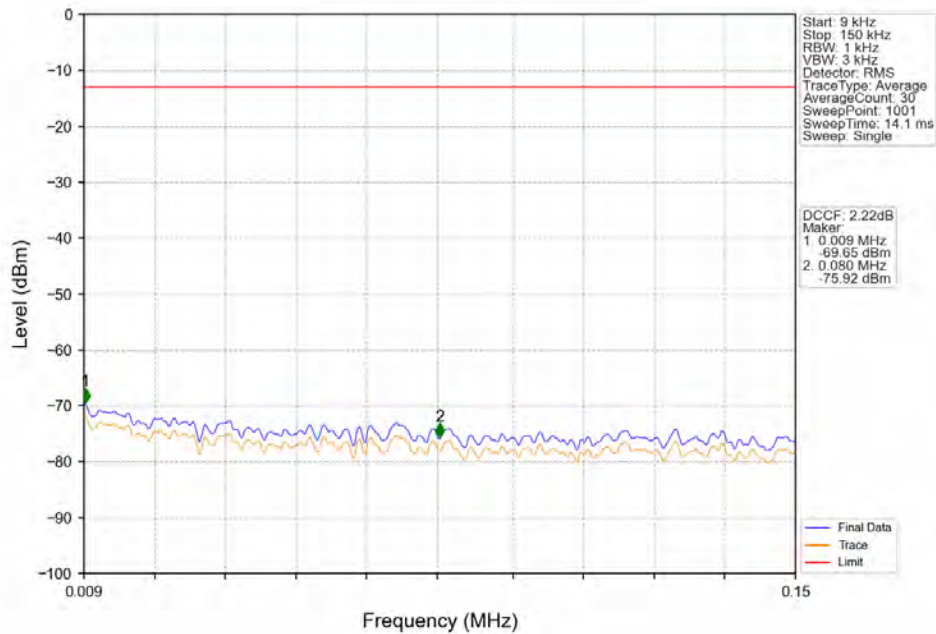
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



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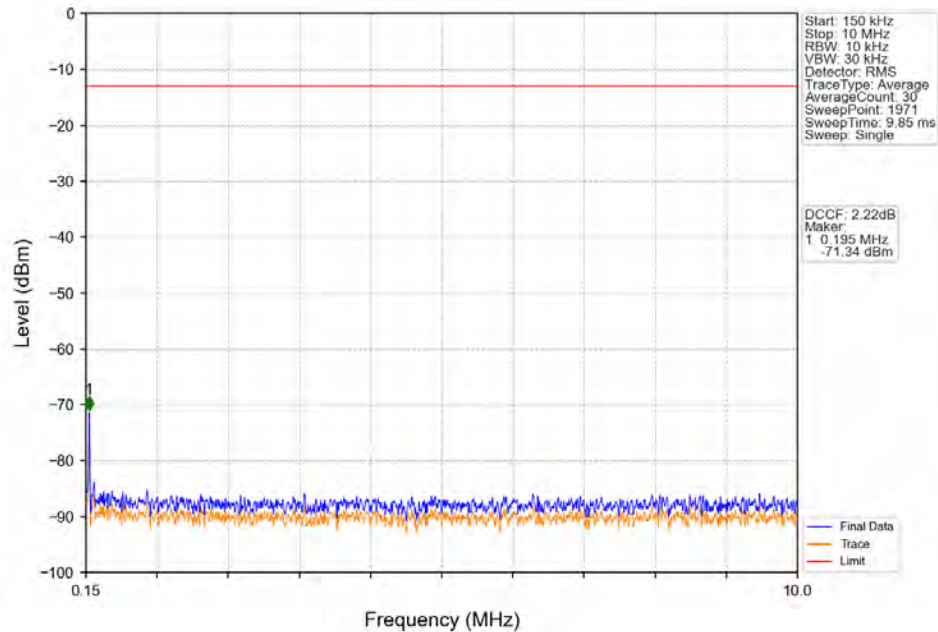
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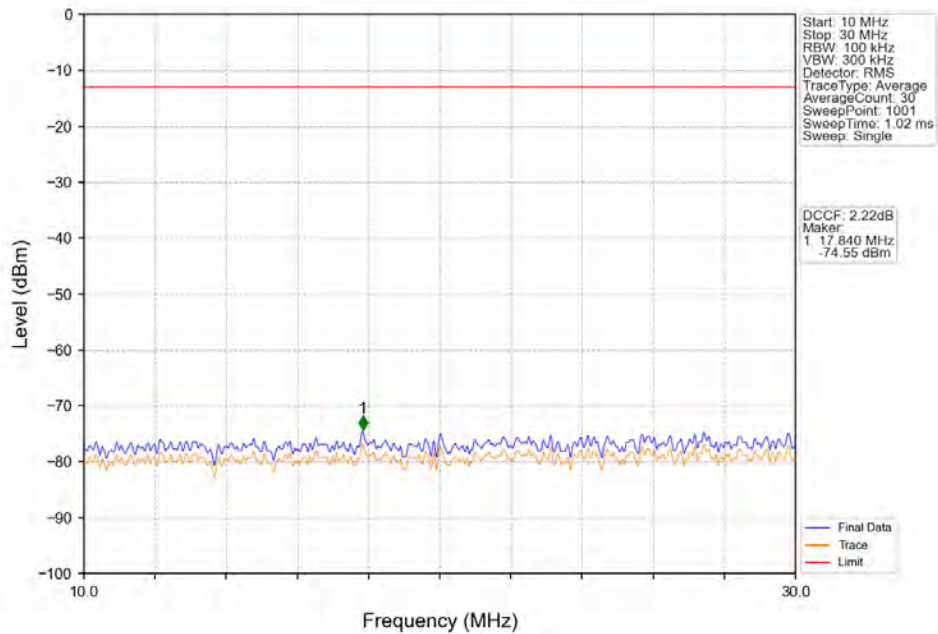
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



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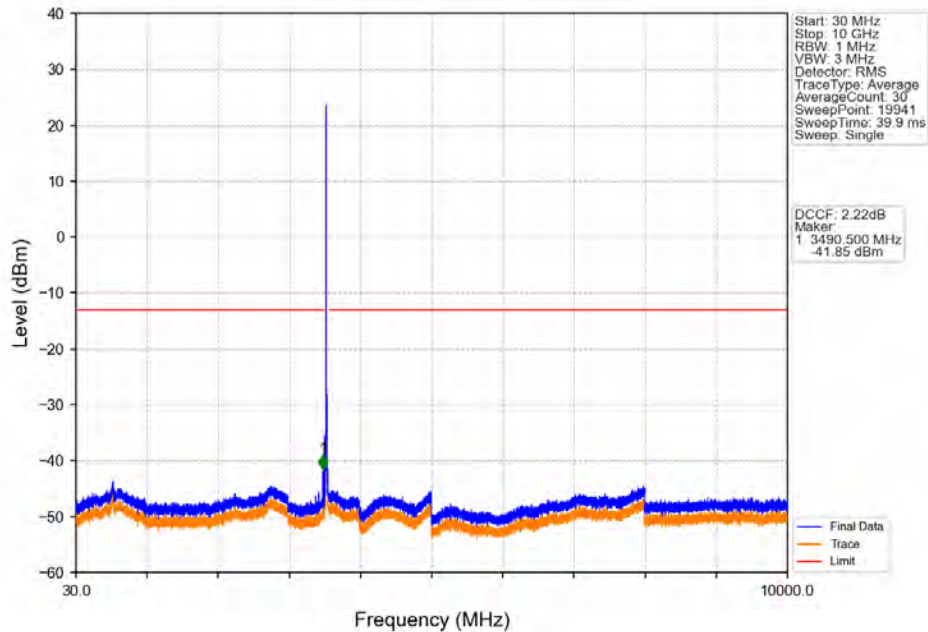
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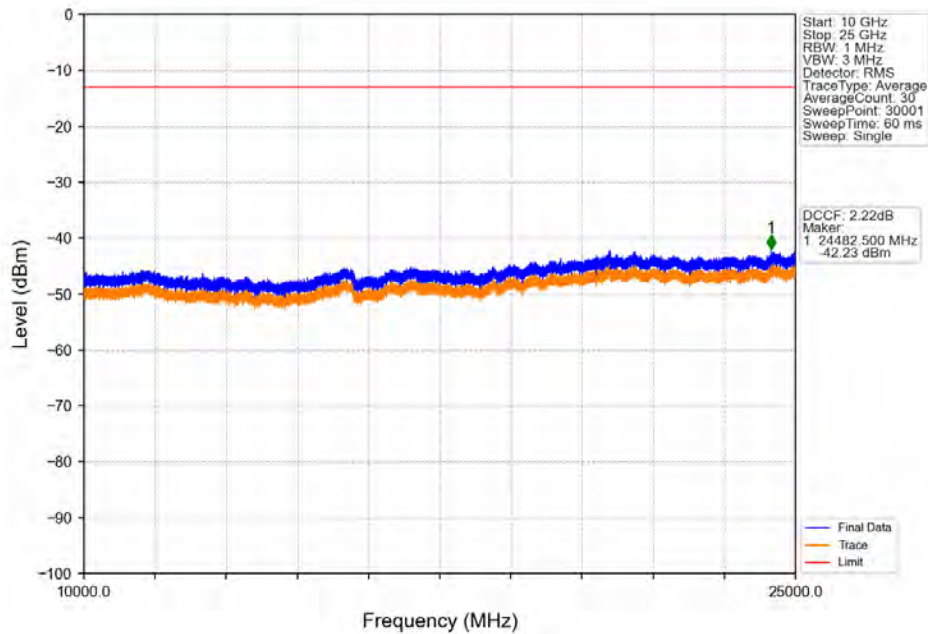
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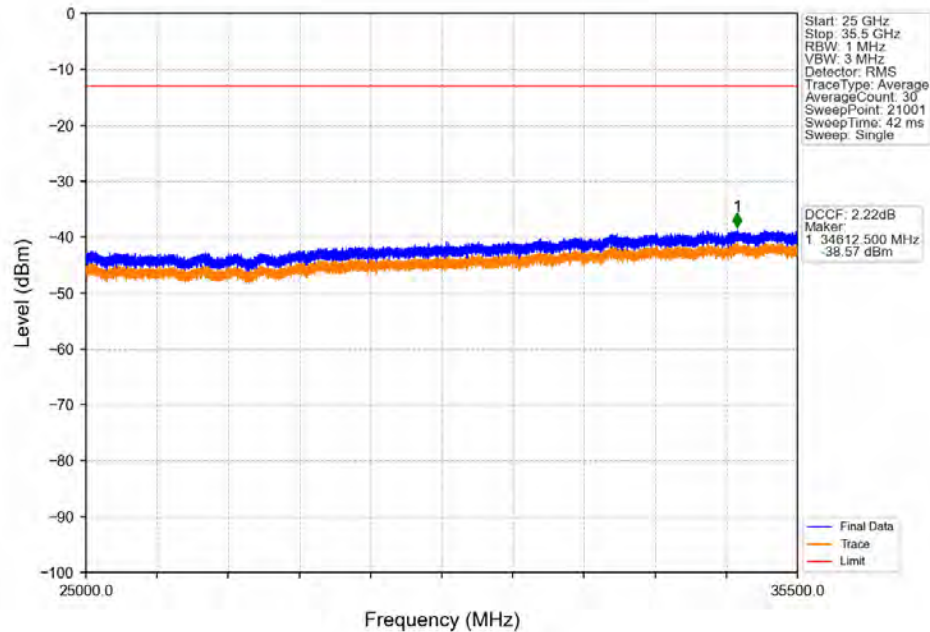
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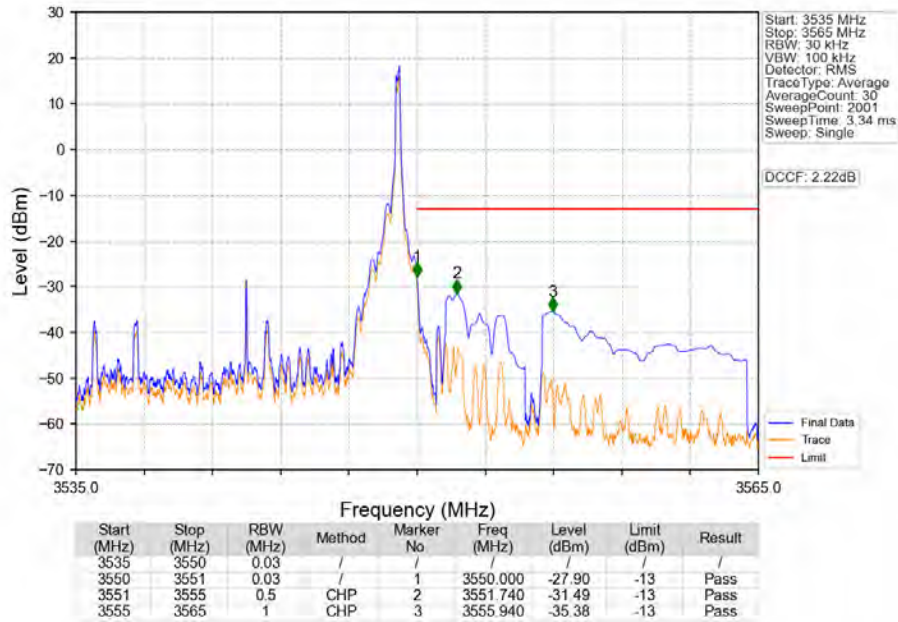
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Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



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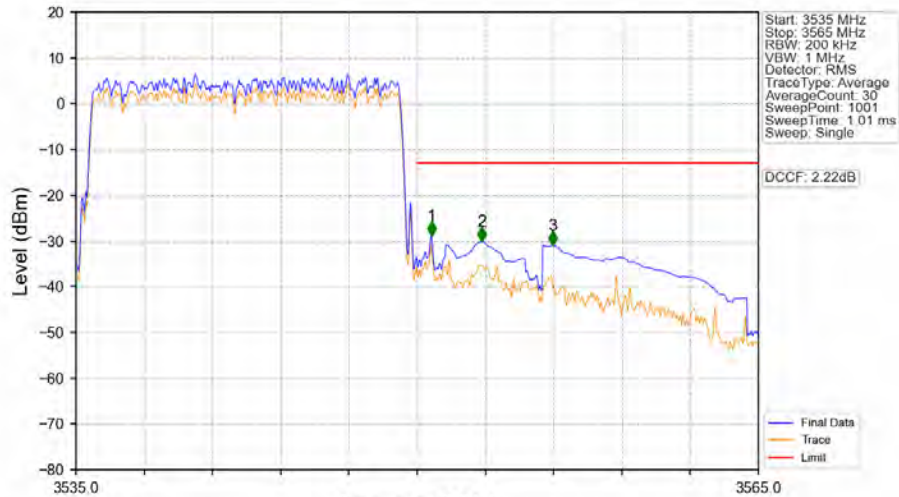
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.630	-28.81	-13	Pass
3551	3555	0.5	CHP	2	3552.850	-30.12	-13	Pass
3555	3565	1	CHP	3	3555.970	-30.97	-13	Pass



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5.4 B42a_20MHz

5.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	3460	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
	3540	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass



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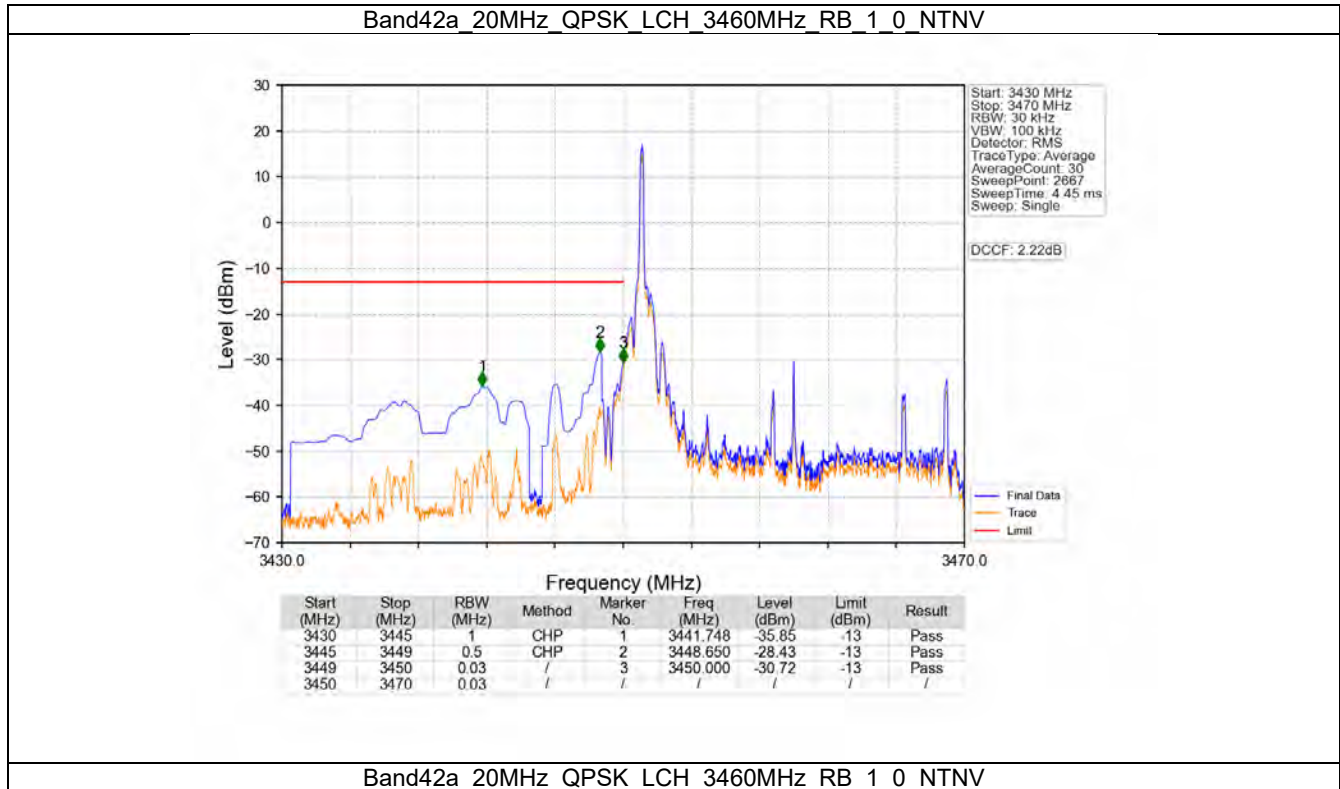
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5.4.2 Test Graph



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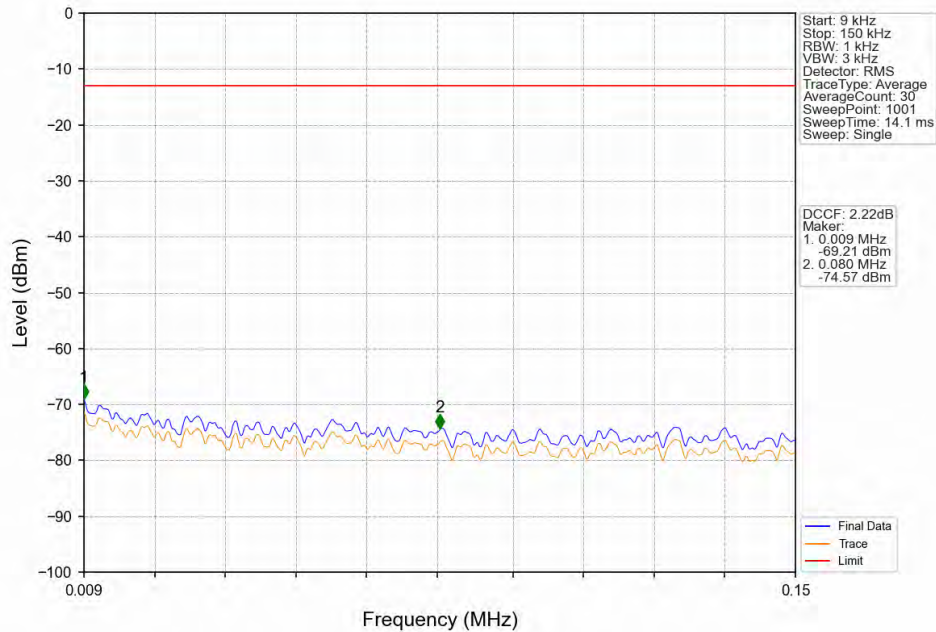
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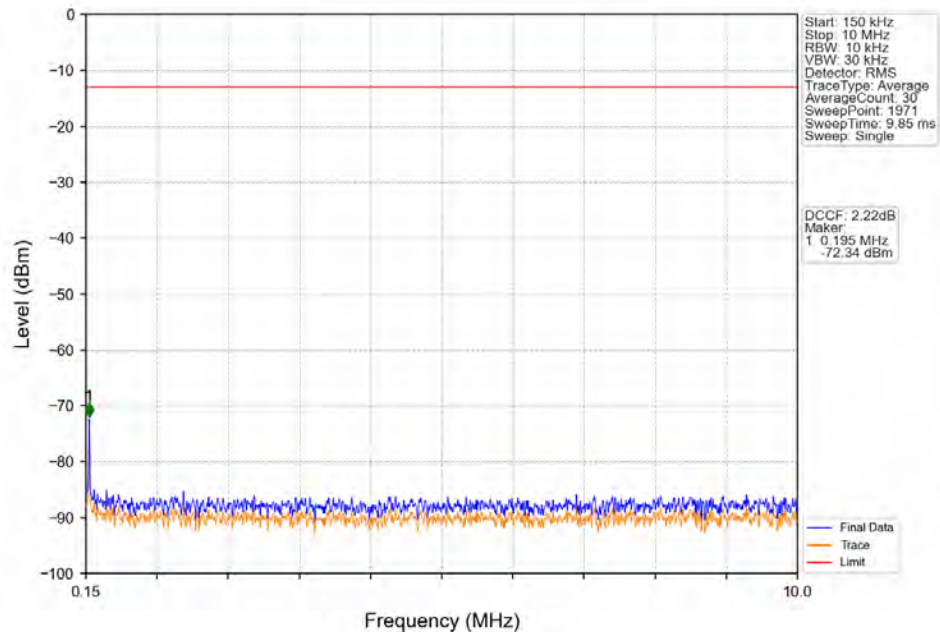
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Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



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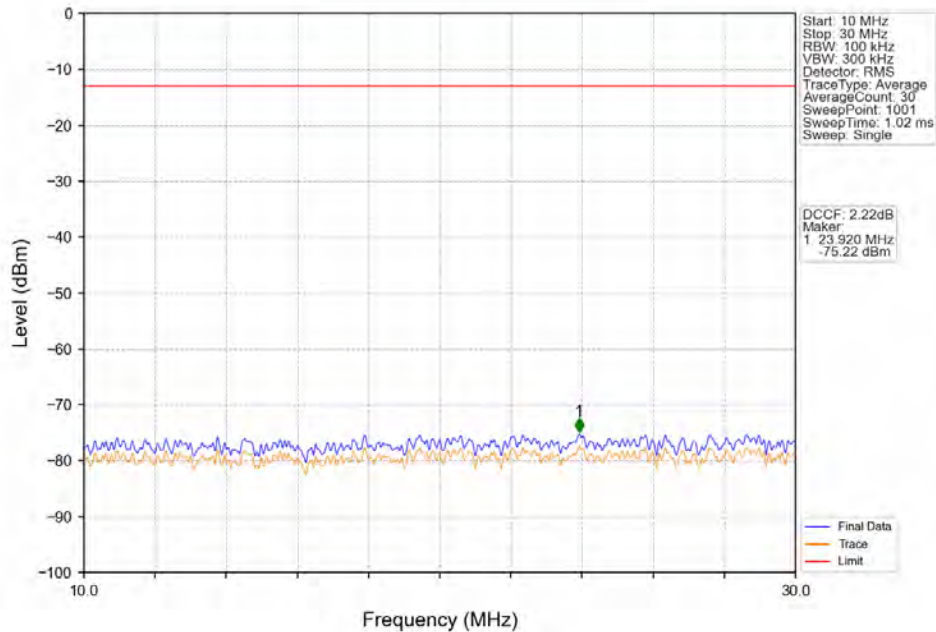
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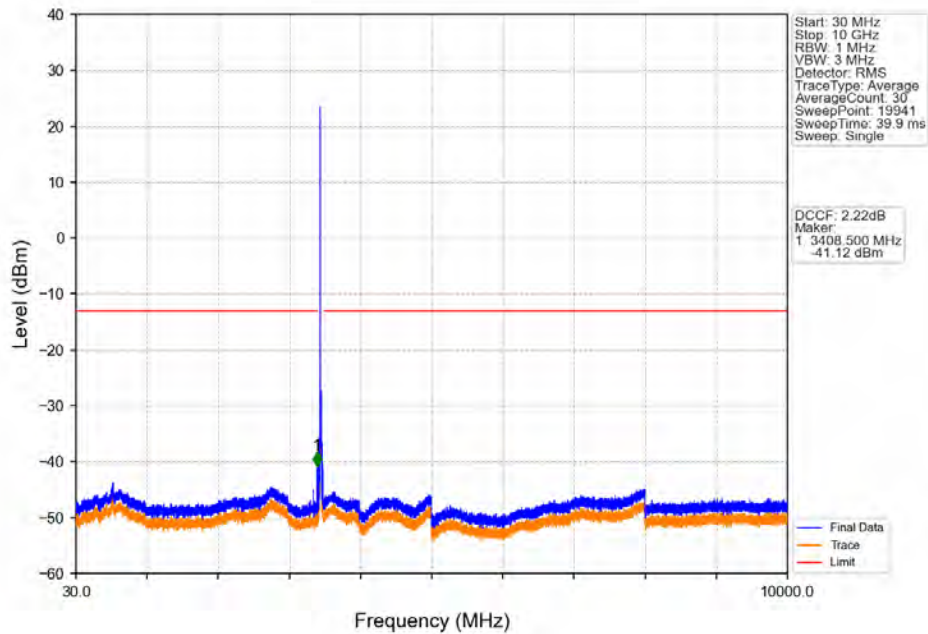
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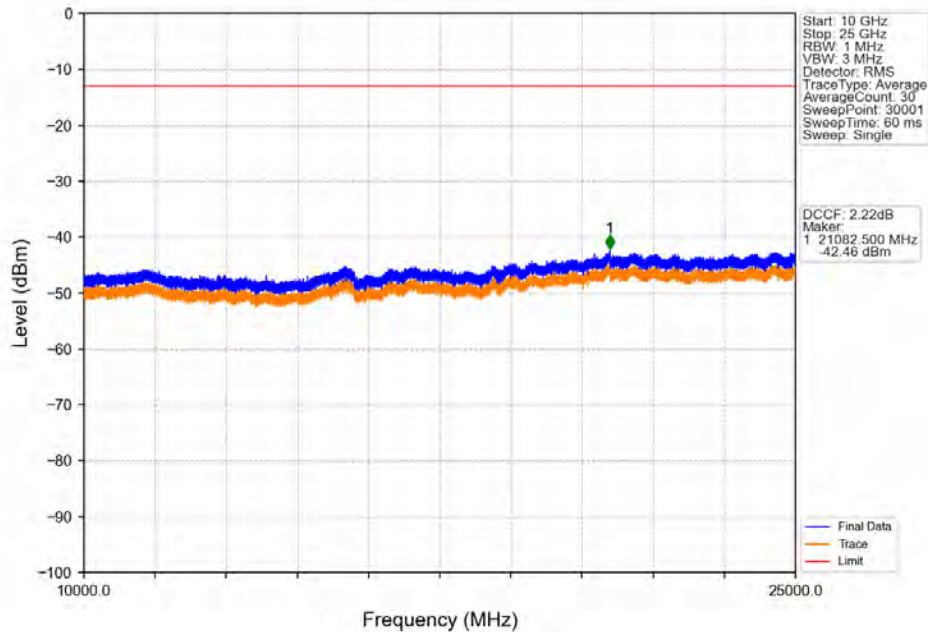
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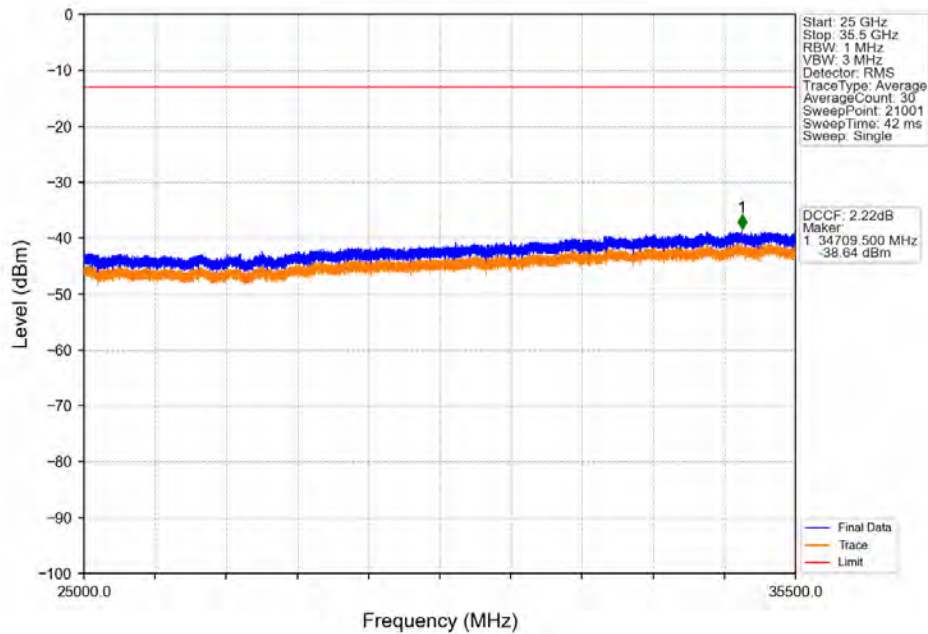
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Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



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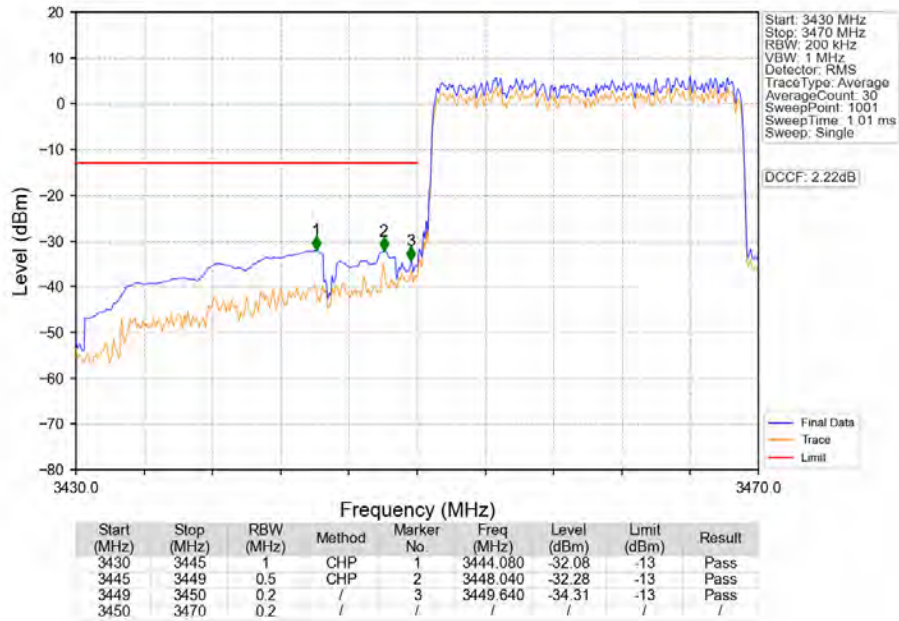
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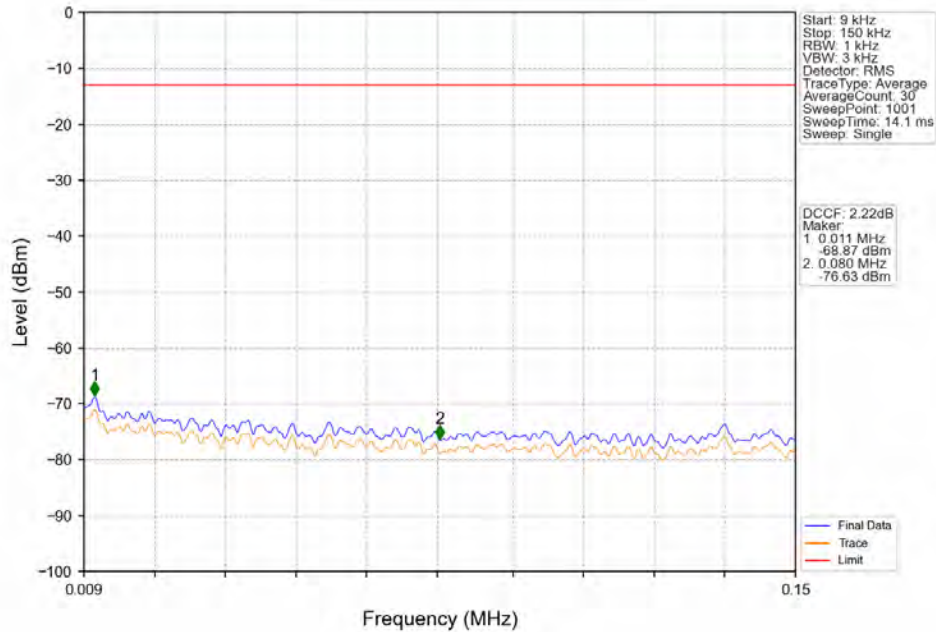
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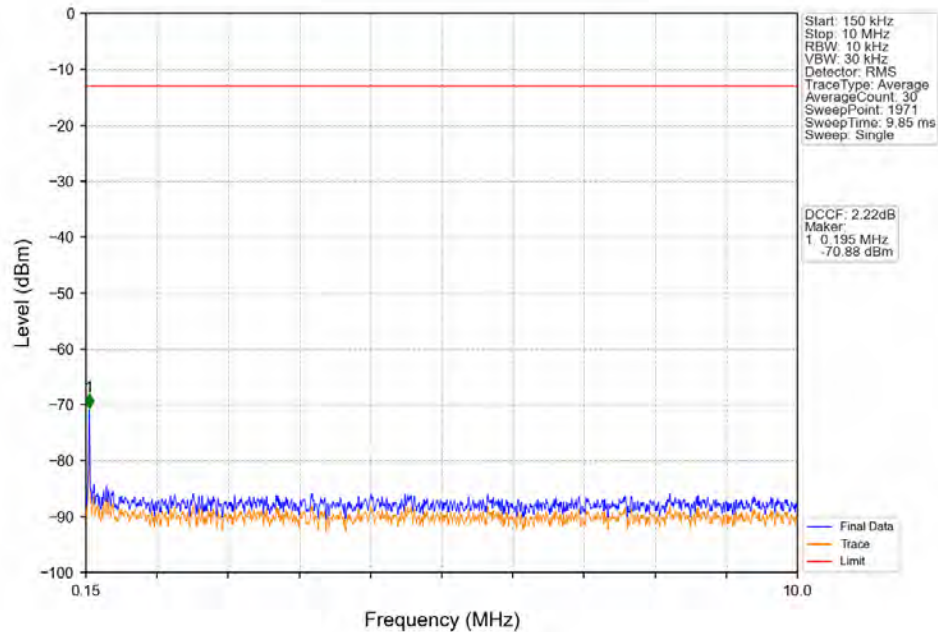
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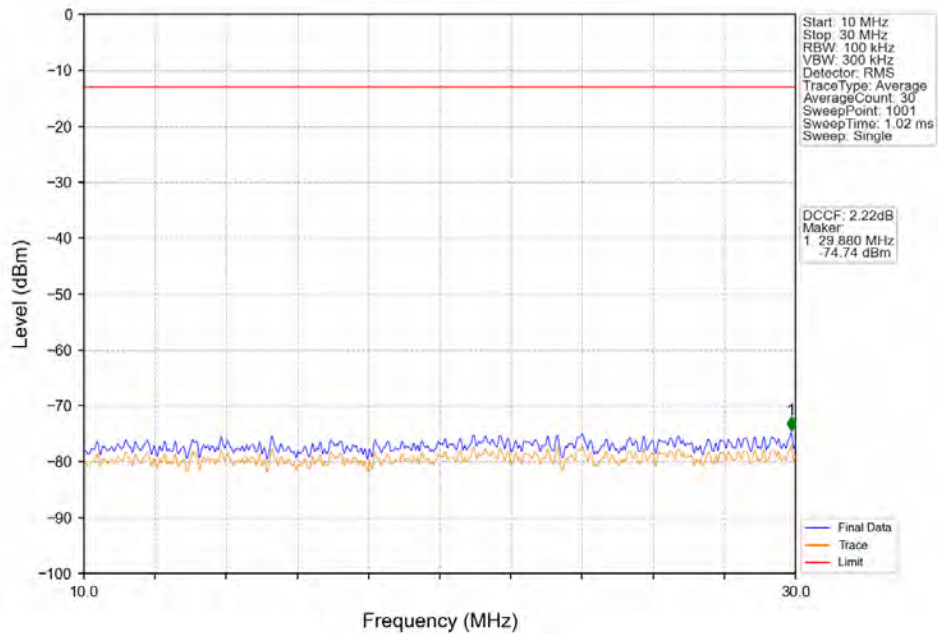
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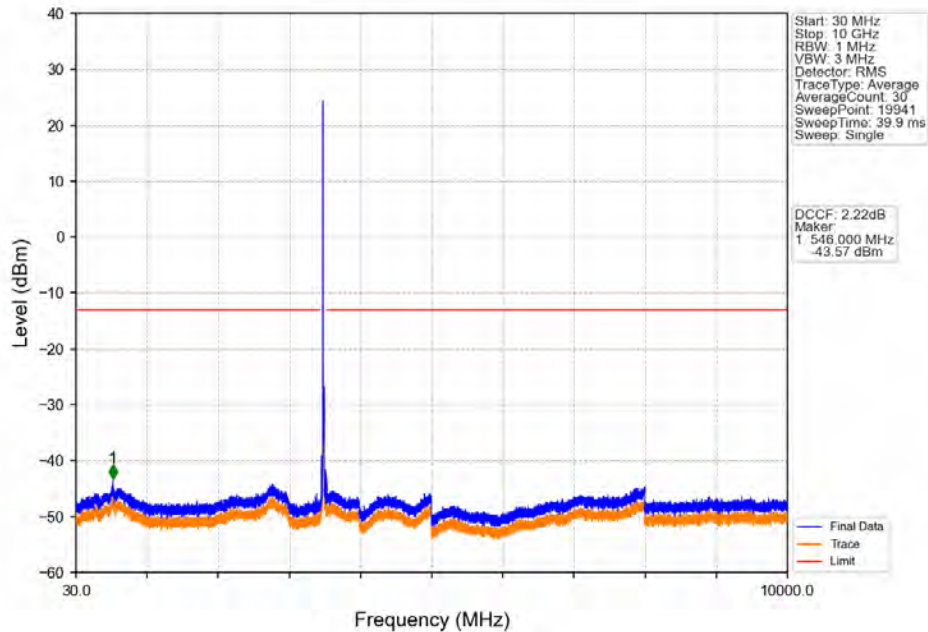
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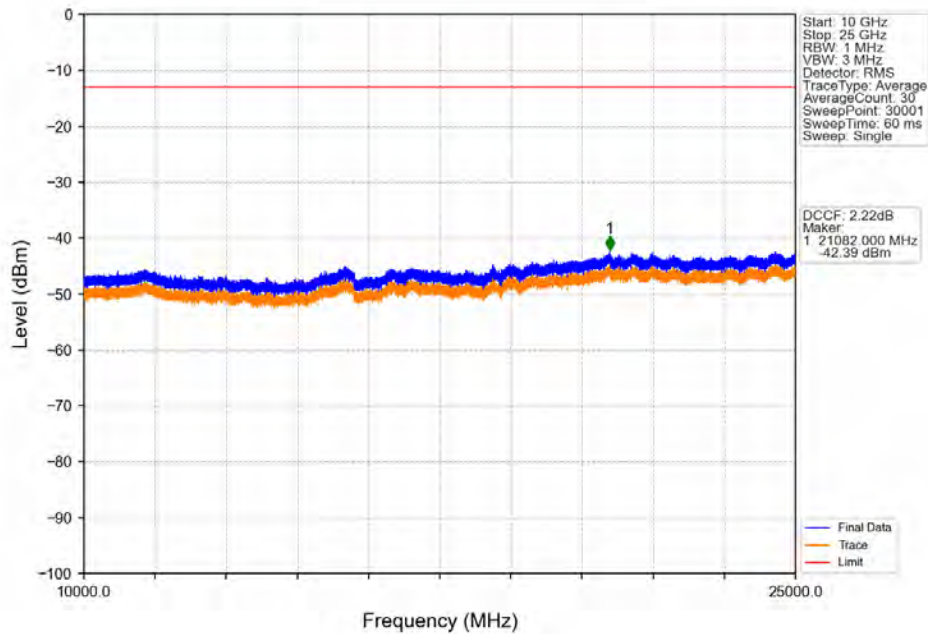
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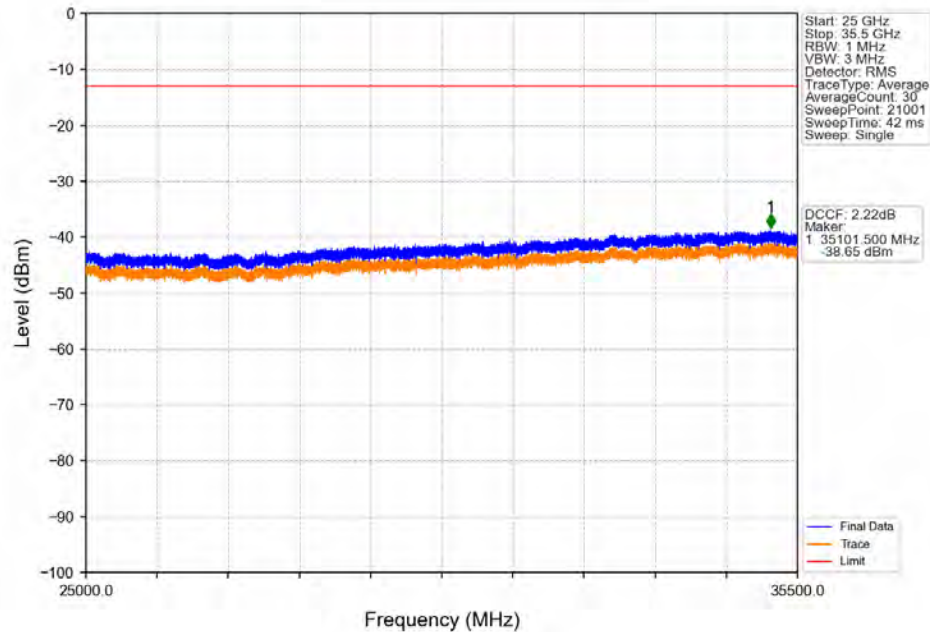
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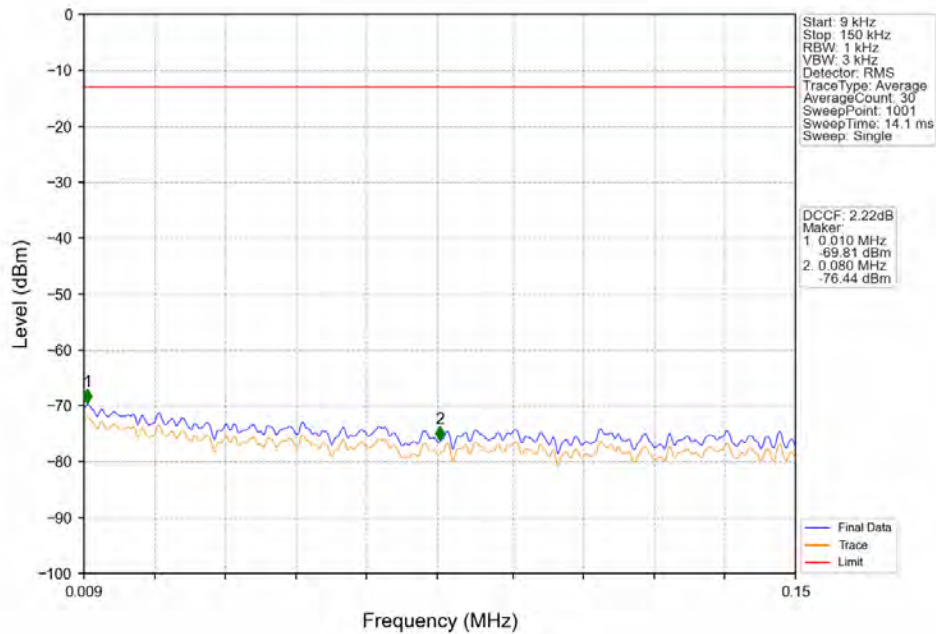
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



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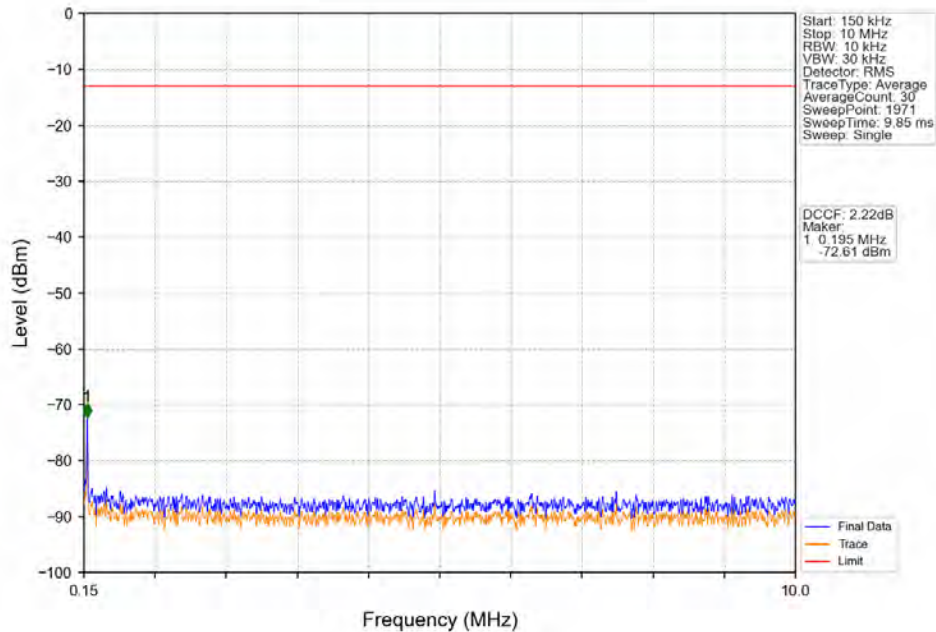
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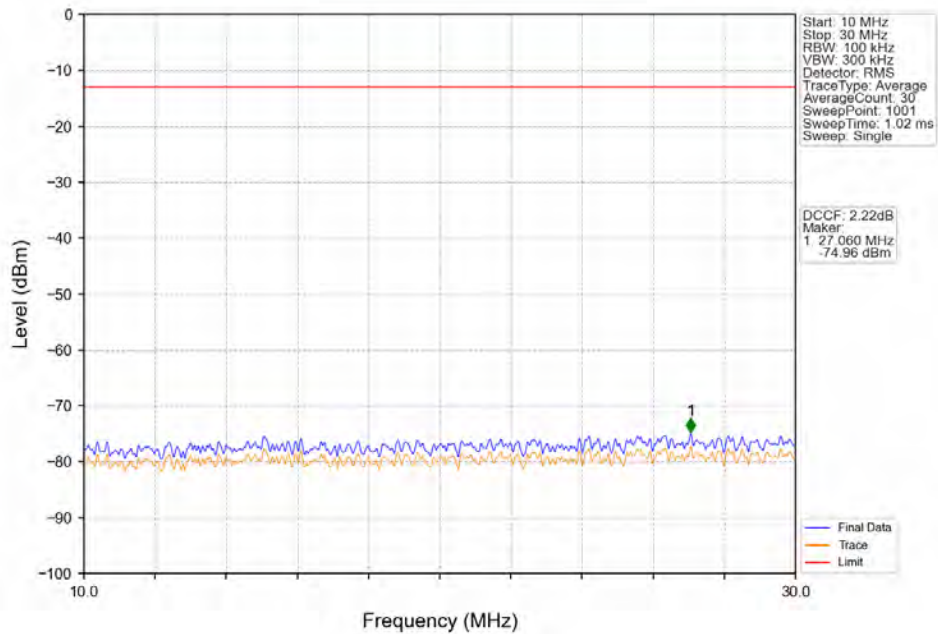
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



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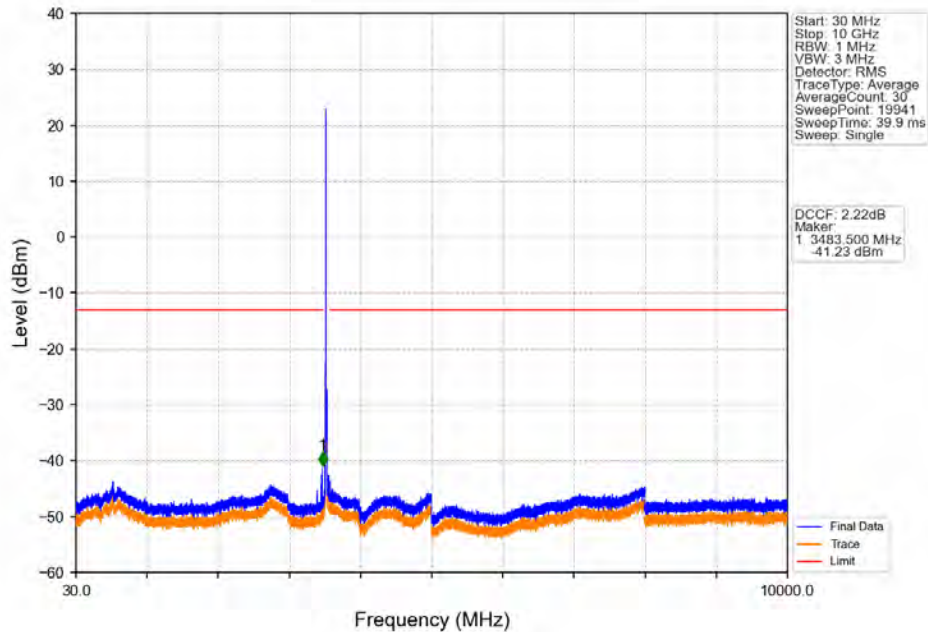
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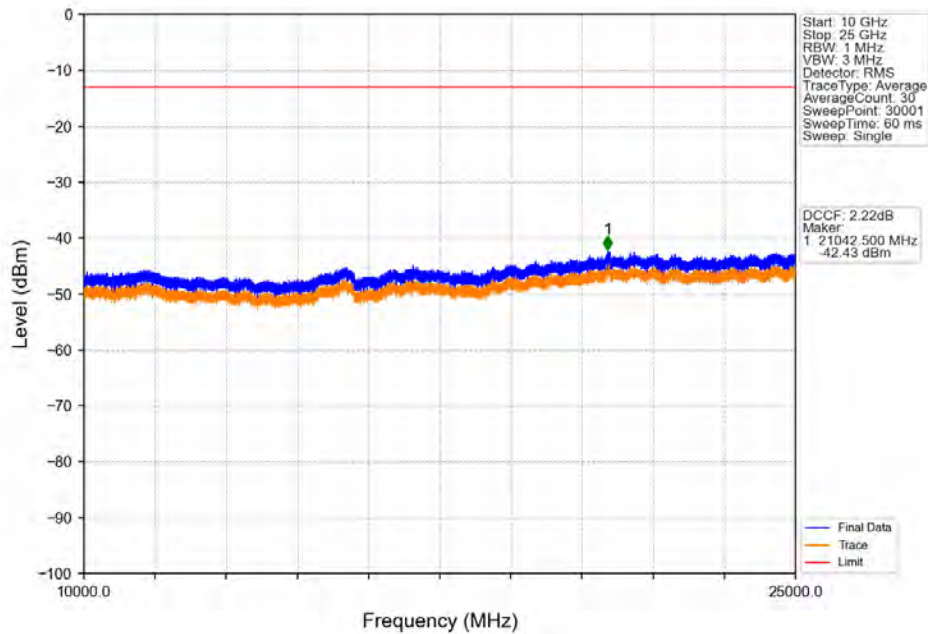
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



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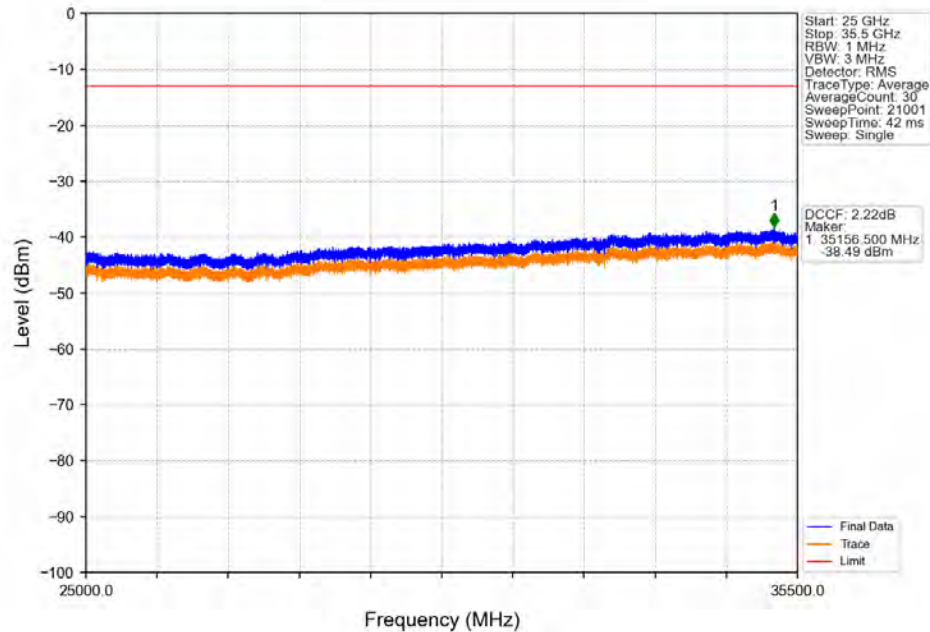
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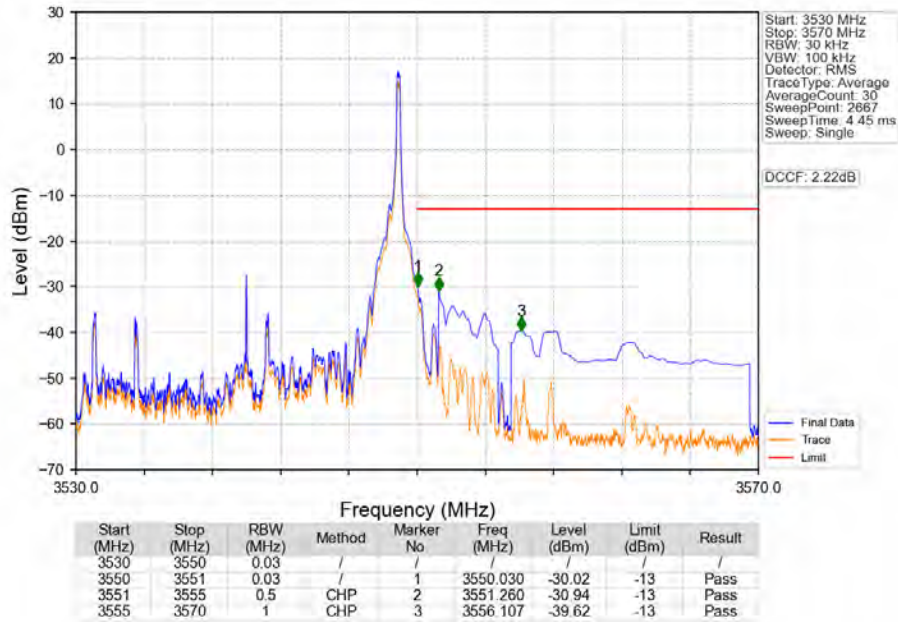
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Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



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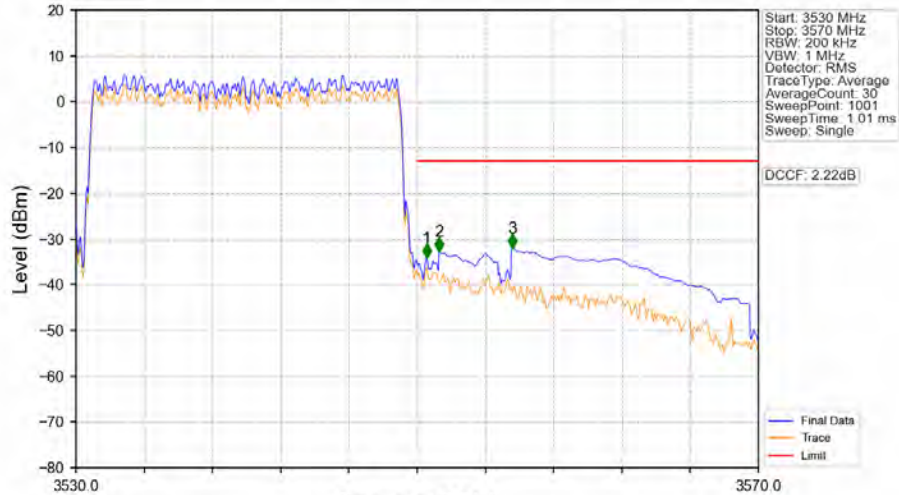
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	1	3550.560	-34.11	-13	Pass
3551	3555	0.5	CHP	2	3551.280	-32.74	-13	Pass
3555	3570	1	CHP	3	3555.600	-32.04	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE_42(3450-3550)
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.165	35.88	-18.88	25.50	-52.76	-13.00	39.76	Horizontal
2	5155.1155	38.38	-13.82	31.81	-38.89	-13.00	25.89	Horizontal
3	8371.1436	43.96	-37.63	36.38	-52.55	-13.00	39.55	Horizontal
4	10353.2677	44.99	-36.09	39.15	-47.21	-13.00	34.21	Horizontal
5	13377.3439	44.01	-38.41	39.67	-49.99	-13.00	36.99	Horizontal
6	17307.6654	42.21	-38.68	43.39	-48.34	-13.00	35.34	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1348.1848	35.69	-20.07	25.08	-54.56	-13.00	41.56	Vertical
2	6253.5754	39.07	-12.65	33.22	-35.62	-13.00	22.62	Vertical
3	6901.9451	51.07	-40.02	35.40	-48.81	-13.00	35.81	Vertical
4	10353.2677	49.83	-36.09	39.15	-42.37	-13.00	29.37	Vertical
5	13804.5902	46.72	-39.28	40.52	-47.30	-13.00	34.30	Vertical
6	17373.7937	41.76	-38.73	44.19	-48.04	-13.00	35.04	Vertical



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Test Band = LTE_42(3450-3550)
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1469.1969	36.25	-19.72	25.15	-53.58	-13.00	40.58	Horizontal
2	6289.879	38.45	-12.23	33.44	-35.60	-13.00	22.60	Horizontal
3	8233.7117	43.49	-37.84	36.43	-53.18	-13.00	40.18	Horizontal
4	10473.4487	46.60	-36.06	38.98	-45.74	-13.00	32.74	Horizontal
5	14701.0601	41.69	-38.61	41.90	-50.28	-13.00	37.28	Horizontal
6	17316.8658	42.10	-38.68	43.50	-48.34	-13.00	35.34	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1651.2651	35.76	-18.90	25.49	-52.91	-13.00	39.91	Vertical
2	6266.7767	38.97	-12.61	33.30	-35.60	-13.00	22.60	Vertical
3	6981.8741	50.24	-39.97	35.49	-49.50	-13.00	36.50	Vertical
4	10472.8736	52.02	-36.06	38.98	-40.32	-13.00	27.32	Vertical
5	13964.4482	44.76	-39.94	41.09	-49.35	-13.00	36.35	Vertical
6	17141.4821	42.94	-38.42	42.27	-48.47	-13.00	35.47	Vertical



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Test Band = LTE_42(3450-3550)
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1462.0462	35.91	-19.68	25.20	-53.83	-13.00	40.83	Horizontal
2	5785.4785	39.14	-13.21	32.43	-36.90	-13.00	23.90	Horizontal
3	8424.6212	43.75	-37.49	36.45	-52.55	-13.00	39.55	Horizontal
4	10593.0547	43.84	-36.38	39.27	-48.53	-13.00	35.53	Horizontal
5	13319.841	43.16	-37.58	39.84	-49.84	-13.00	36.84	Horizontal
6	17371.4936	41.46	-38.73	44.16	-48.37	-13.00	35.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1619.3619	36.21	-19.18	25.25	-52.98	-13.00	39.98	Vertical
2	6295.9296	39.08	-12.39	33.48	-35.09	-13.00	22.09	Vertical
3	7062.3781	50.50	-39.72	36.13	-48.35	-13.00	35.35	Vertical
4	10593.6297	53.76	-36.38	39.27	-38.61	-13.00	25.61	Vertical
5	14124.3062	44.58	-39.84	41.82	-48.70	-13.00	35.70	Vertical
6	17322.6161	42.41	-38.69	43.57	-47.97	-13.00	34.97	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) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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