



Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.76	23.63	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.96	23.83	30.00	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.71	23.58	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.09	23.96	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.99	23.86	30.00	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.84	23.71	30.00	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.05	22.92	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.55	23.42	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.93	23.80	30.00	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.62	23.49	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.95	23.82	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.94	23.81	30.00	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.86	23.73	30.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.86	22.73	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.70	23.57	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.93	23.80	30.00	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.54	23.41	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.86	23.73	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.86	23.73	30.00	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.82	23.69	30.00	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.79	22.66	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.59	22.46	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.13	23.00	30.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.53	22.40	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.12	22.99	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.14	23.01	30.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.94	22.81	30.00	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.04	21.91	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.56	22.43	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.02	22.89	30.00	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.09	22.96	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.85	22.72	30.00	PASS



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Band4	1.4MHz	16QAM	20175	3RB#1	21.74	22.61	30.00	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.92	22.79	30.00	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.90	21.77	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.59	22.46	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.73	22.60	30.00	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.54	22.41	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.90	22.77	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.78	22.65	30.00	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.63	22.50	30.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.86	21.73	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.73	23.60	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.03	23.90	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.75	23.62	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.99	22.86	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.96	22.83	30.00	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.85	22.72	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.00	22.87	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.57	23.44	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.94	23.81	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.58	23.45	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.90	22.77	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.96	22.83	30.00	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.86	22.73	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.93	22.80	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.70	23.57	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.97	23.84	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.51	23.38	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.90	22.77	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.92	22.79	30.00	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.82	22.69	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.82	22.69	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.63	22.50	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.16	23.03	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.53	22.40	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.08	21.95	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.07	21.94	30.00	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.86	21.73	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.99	21.86	30.00	PASS



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Band4	3MHz	16QAM	20175	1RB#0	21.56	22.43	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.99	22.86	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.12	22.99	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.83	21.70	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.75	21.62	30.00	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.94	21.81	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.87	21.74	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.55	22.42	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.68	22.55	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.52	22.39	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.96	21.83	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.76	21.63	30.00	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.64	21.51	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.85	21.72	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.74	23.61	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.94	23.81	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.73	23.60	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.04	22.91	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.97	22.84	30.00	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.85	22.72	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.02	22.89	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.59	23.46	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.89	23.76	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.58	23.45	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.89	22.76	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.91	22.78	30.00	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.86	22.73	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.93	22.80	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.64	23.51	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.96	23.83	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.54	23.41	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.90	22.77	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.90	22.77	30.00	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.80	22.67	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.85	22.72	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.67	22.54	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.11	22.98	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.56	22.43	30.00	PASS



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Band4	5MHz	16QAM	19975	12RB#0	21.17	22.04	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.15	22.02	30.00	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.89	21.76	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.98	21.85	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.54	22.41	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.98	22.85	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.12	22.99	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.83	21.70	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.77	21.64	30.00	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.92	21.79	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.87	21.74	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.52	22.39	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.70	22.57	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.57	22.44	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.90	21.77	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.79	21.66	30.00	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.65	21.52	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.83	21.70	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.73	23.60	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.98	23.85	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.74	23.61	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.05	22.92	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.01	22.88	30.00	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.88	22.75	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.97	22.84	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.51	23.38	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.89	23.76	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.57	23.44	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.94	22.81	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.94	22.81	30.00	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.88	22.75	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.96	22.83	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.66	23.53	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.97	23.84	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.52	23.39	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.89	22.76	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.90	22.77	30.00	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.77	22.64	30.00	PASS



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Band4	10MHz	QPSK	20350	50RB#0	21.79	22.66	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.68	22.55	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.11	22.98	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.52	22.39	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.10	21.97	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.14	22.01	30.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.88	21.75	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.96	21.83	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.56	22.43	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.02	22.89	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.13	23.00	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.82	21.69	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.78	21.65	30.00	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.88	21.75	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.82	21.69	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.54	22.41	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.66	22.53	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.51	22.38	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.91	21.78	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.81	21.68	30.00	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.61	21.48	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.84	21.71	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.71	23.58	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.99	23.86	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.67	23.54	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#0	22.07	22.94	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.98	22.85	30.00	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.88	22.75	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.04	22.91	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.55	23.42	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.89	23.76	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.61	23.48	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.98	22.85	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.98	22.85	30.00	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.89	22.76	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.91	22.78	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.70	23.57	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.98	23.85	30.00	PASS



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Band4	15MHz	QPSK	20325	1RB#74	22.56	23.43	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.93	22.80	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.92	22.79	30.00	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.81	22.68	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.78	22.65	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.62	22.49	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.12	22.99	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.56	22.43	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.13	22.00	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.12	21.99	30.00	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.86	21.73	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.05	21.92	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.53	22.40	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.06	22.93	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.16	23.03	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#0	20.80	21.67	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#18	20.82	21.69	30.00	PASS
Band4	15MHz	16QAM	20175	38RB#37	20.96	21.83	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.87	21.74	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.55	22.42	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.64	22.51	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.50	22.37	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#0	20.93	21.80	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#18	20.84	21.71	30.00	PASS
Band4	15MHz	16QAM	20325	38RB#37	20.62	21.49	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.88	21.75	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.79	23.66	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.03	23.90	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.82	23.69	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.14	23.01	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.06	22.93	30.00	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.94	22.81	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.09	22.96	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.05	23.92	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.96	23.83	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.69	23.56	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.15	23.02	30.00	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.04	22.91	30.00	PASS



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Band4	20MHz	QPSK	20175	50RB#50	21.97	22.84	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.98	22.85	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.74	23.61	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.01	23.88	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.58	23.45	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.95	22.82	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.97	22.84	30.00	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.91	22.78	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.85	22.72	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.72	22.59	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.21	23.08	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.55	22.42	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.20	22.07	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.20	22.07	30.00	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.99	21.86	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.10	21.97	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.59	22.46	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.07	22.94	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.19	23.06	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.89	21.76	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.87	21.74	30.00	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.98	21.85	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.96	21.83	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.52	22.39	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.78	22.65	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.62	22.49	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#0	21.02	21.89	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.89	21.76	30.00	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.74	21.61	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.89	21.76	30.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

$$ERP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBd]}$$

$$EIRP [dBm] = \text{Conducted Power [dBm]} + \text{Gain [dBi]}$$

The conducted Power is measured by Base Station Simulator



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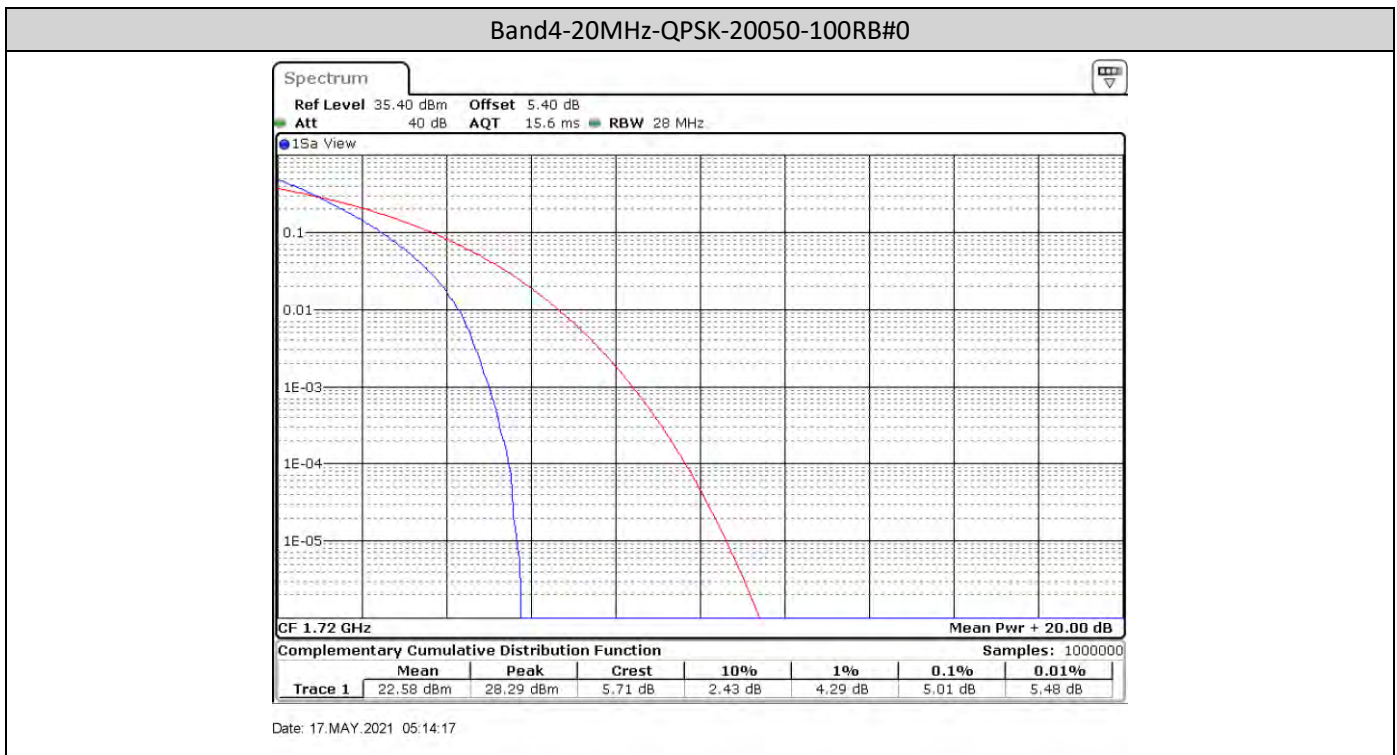


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.01	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.93	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.88	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.86	13	PASS

2.2. Test Plots



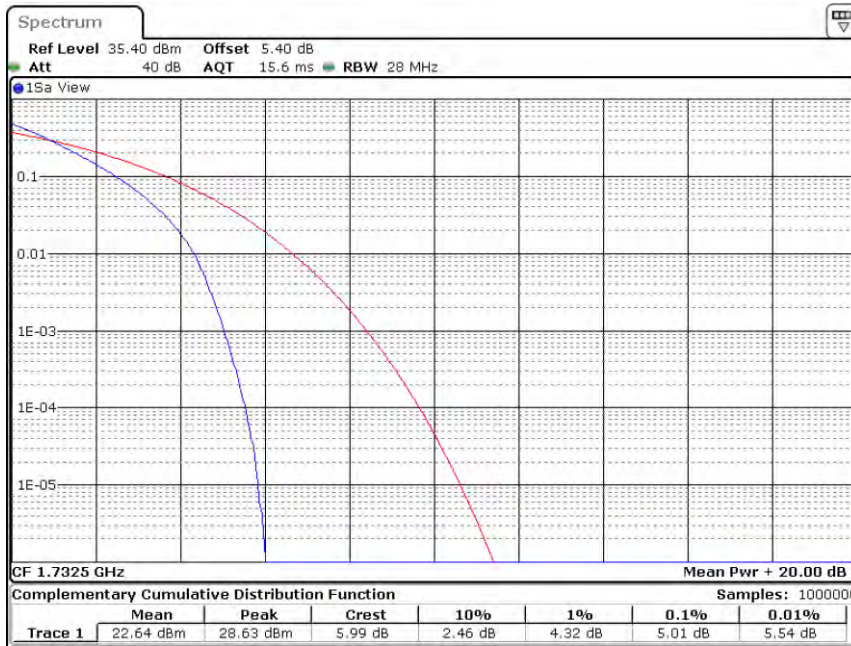
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Band4-20MHz-QPSK-20175-100RB#0



Date: 17.MAY.2021 05:14:40

Band4-20MHz-QPSK-20300-100RB#0



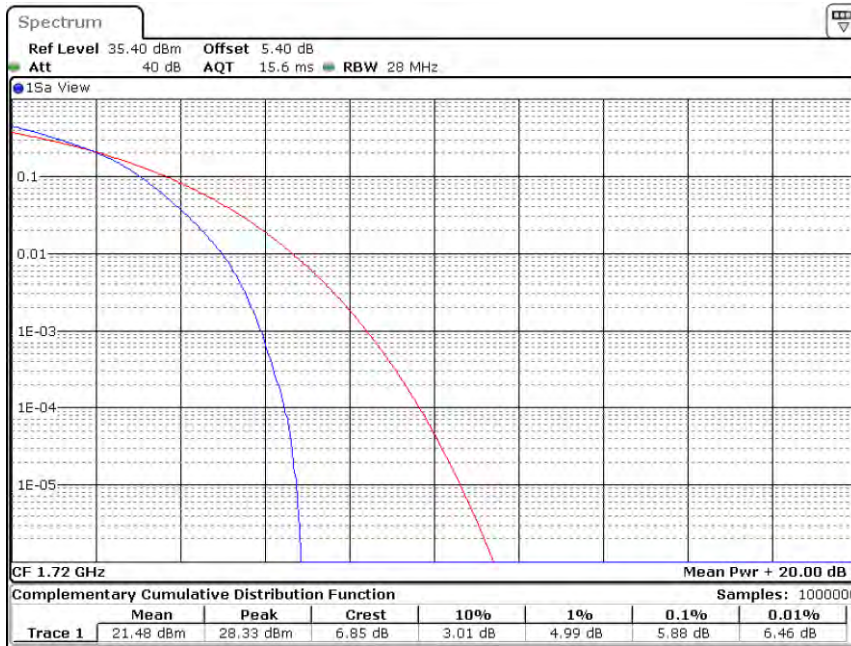
Date: 17.MAY.2021 05:15:03



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Band4-20MHz-16QAM-20050-100RB#0



Date: 17.MAY.2021 05:14:28

Band4-20MHz-16QAM-20175-100RB#0



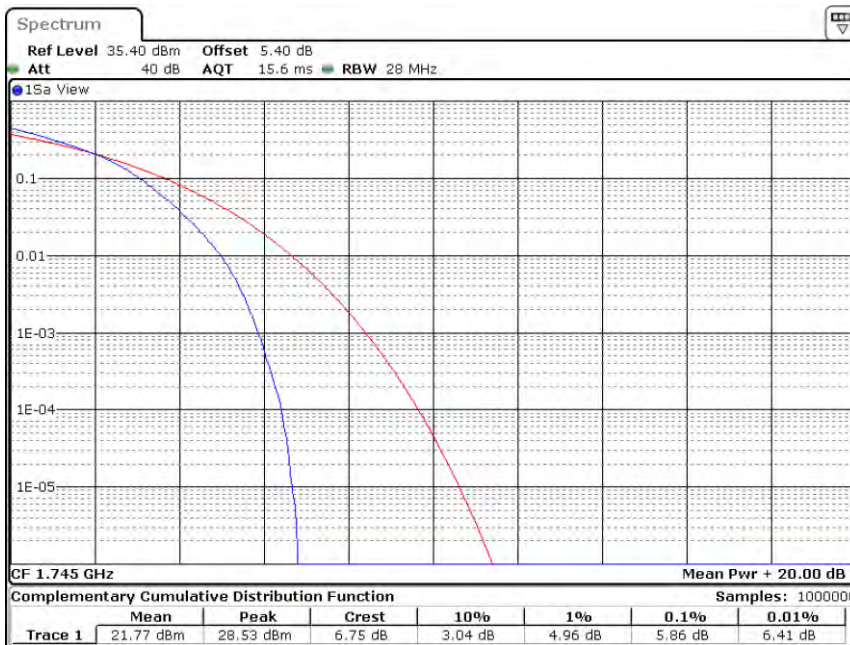
Date: 17.MAY.2021 05:14:51



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Band4-20MHz-16QAM-20300-100RB#0



Date: 17.MAY.2021 05:15:14

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



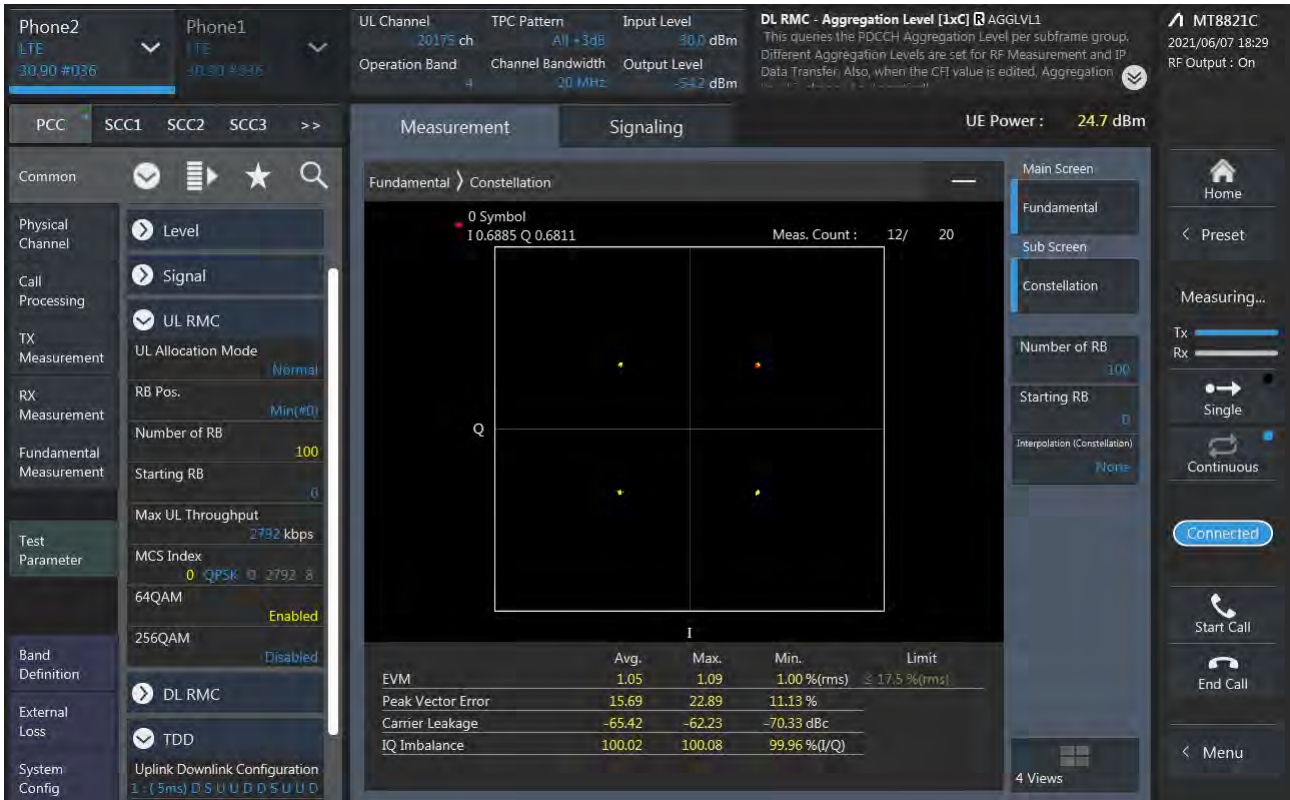
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

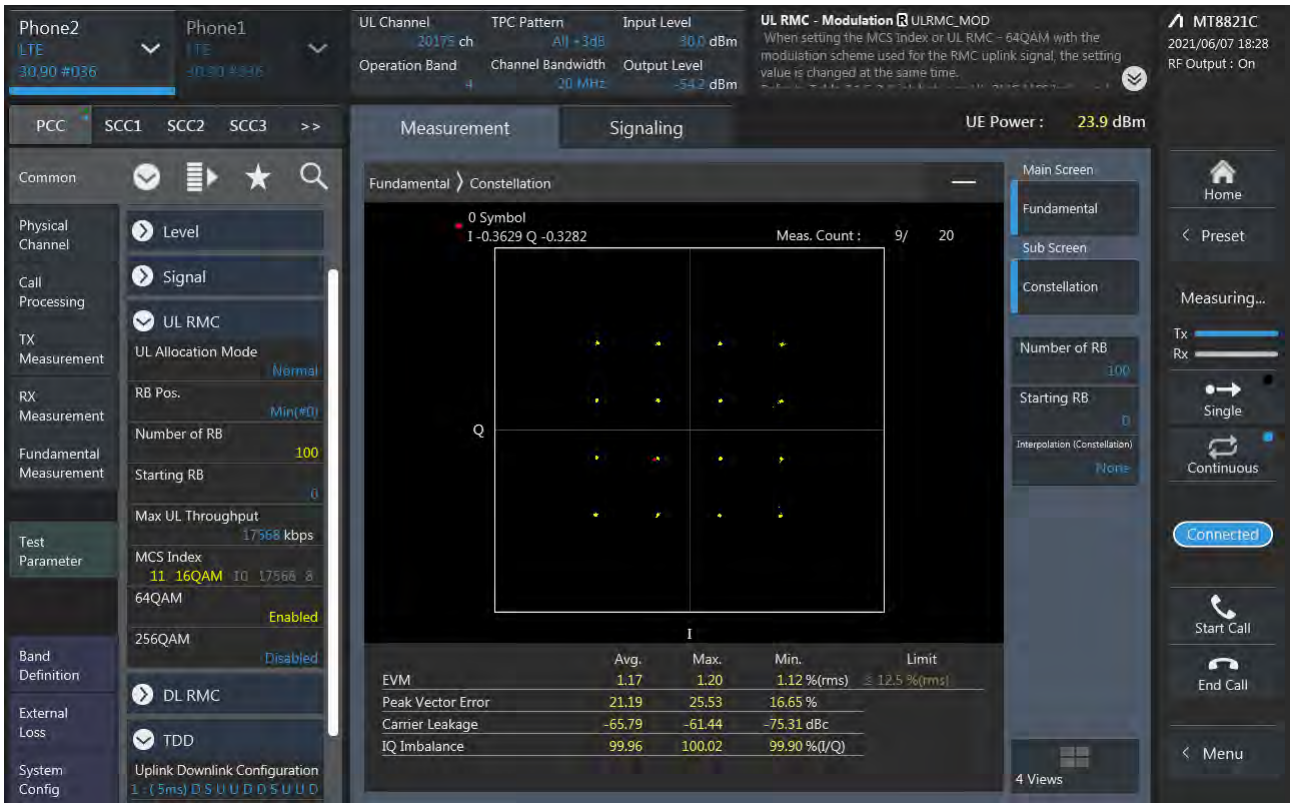
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

3.2.1. Test Channel = MCH



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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.091	1.284	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.085	1.275	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.091	1.281	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.091	1.281	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.691	2.994	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.691	2.994	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.697	2.976	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.685	2.970	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.685	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.685	2.964	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.476	4.930	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.476	4.940	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.486	4.950	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.496	4.940	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.486	4.960	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.911	9.700	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.911	9.700	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.911	9.660	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.911	9.720	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.911	9.740	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.740	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.397	14.790	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.397	14.790	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.427	14.760	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.397	14.730	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.427	14.730	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.397	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.822	19.400	PASS



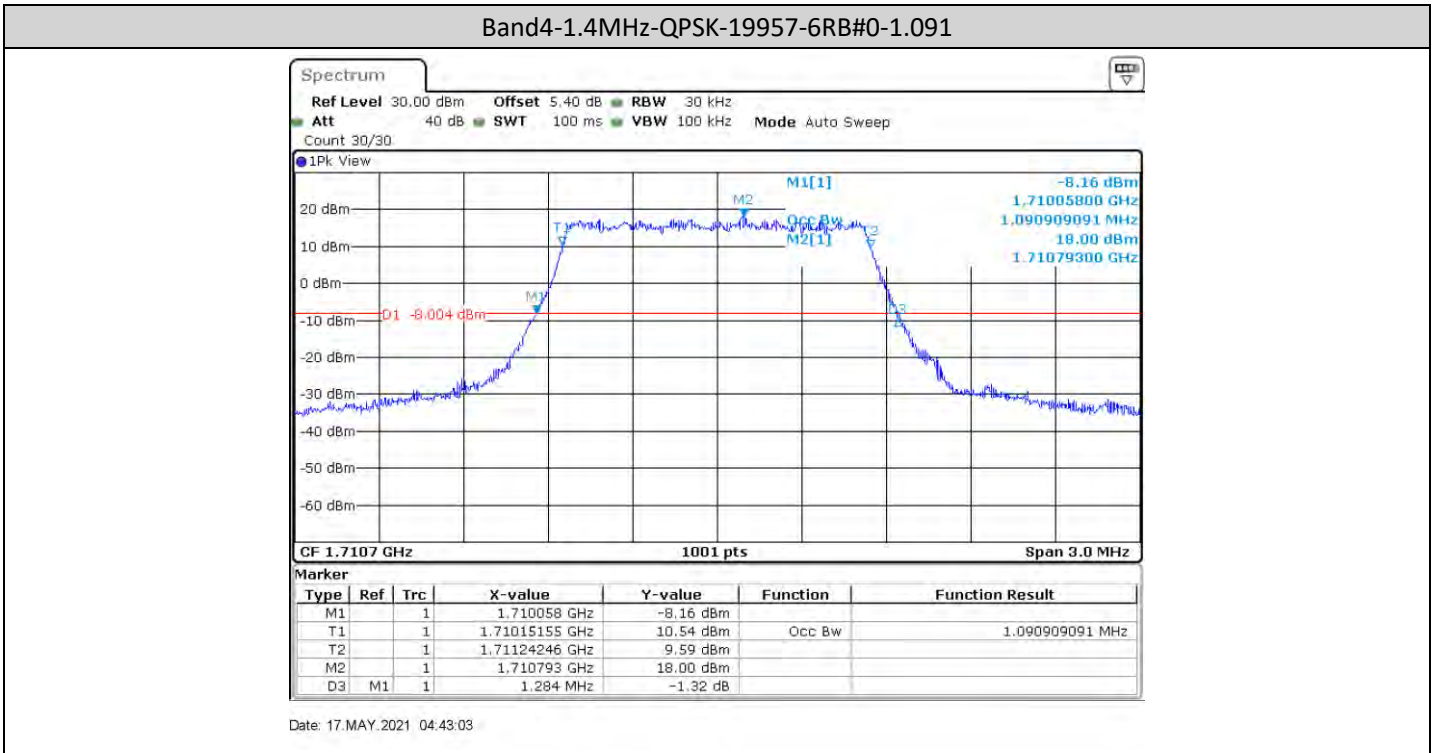
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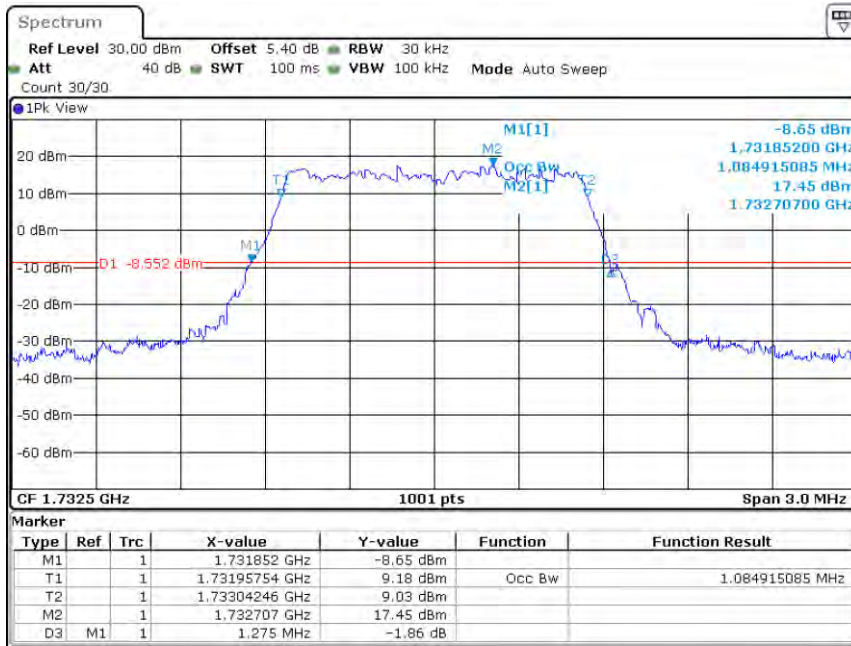
Band4	20MHz	QPSK	20175	100RB#0	17.862	19.400	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.822	19.360	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.822	19.400	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.862	19.440	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.822	19.440	PASS

4.2. Test Plots



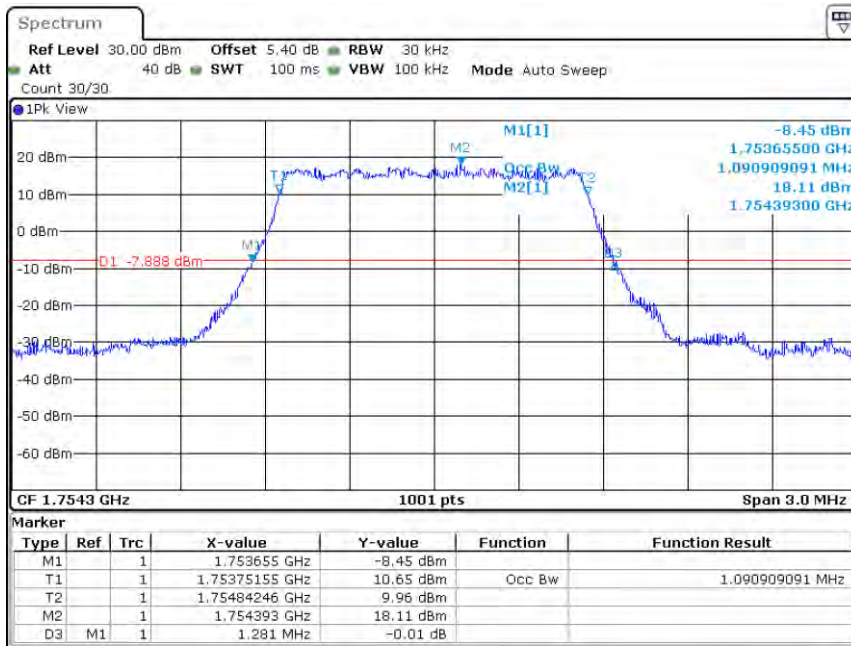
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Band4-1.4MHz-QPSK-20175-6RB#0-1.085



Date: 17.MAY.2021 04:43:29

Band4-1.4MHz-QPSK-20393-6RB#0-1.091



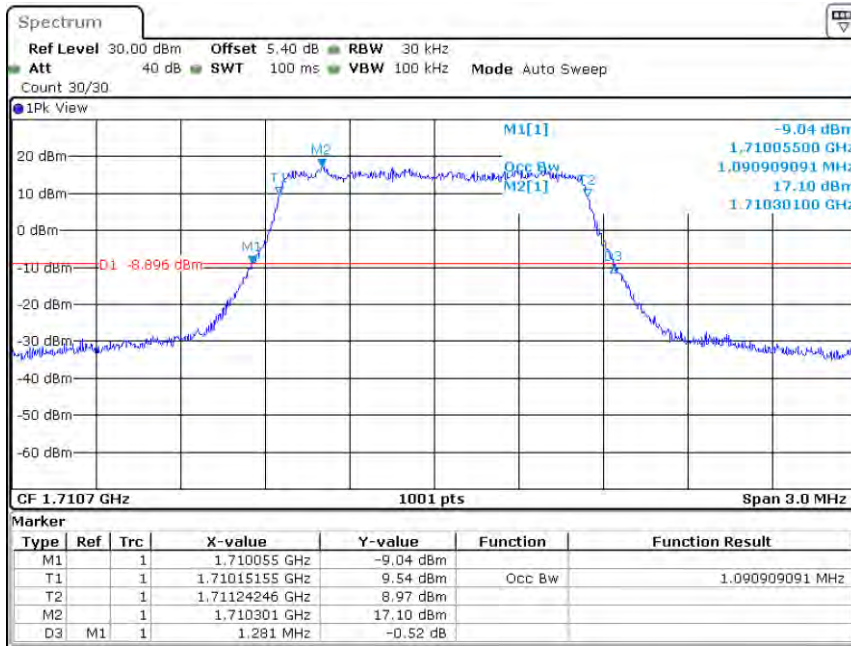
Date: 17.MAY.2021 04:43:54



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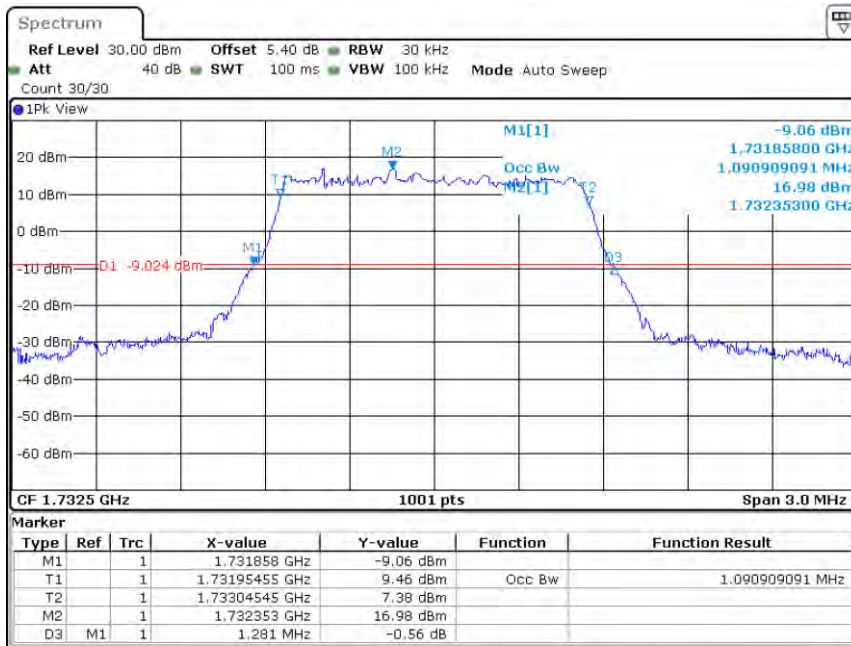


Band4-1.4MHz-16QAM-19957-6RB#0-1.091



Date: 17.MAY.2021 04:43:16

Band4-1.4MHz-16QAM-20175-6RB#0-1.091

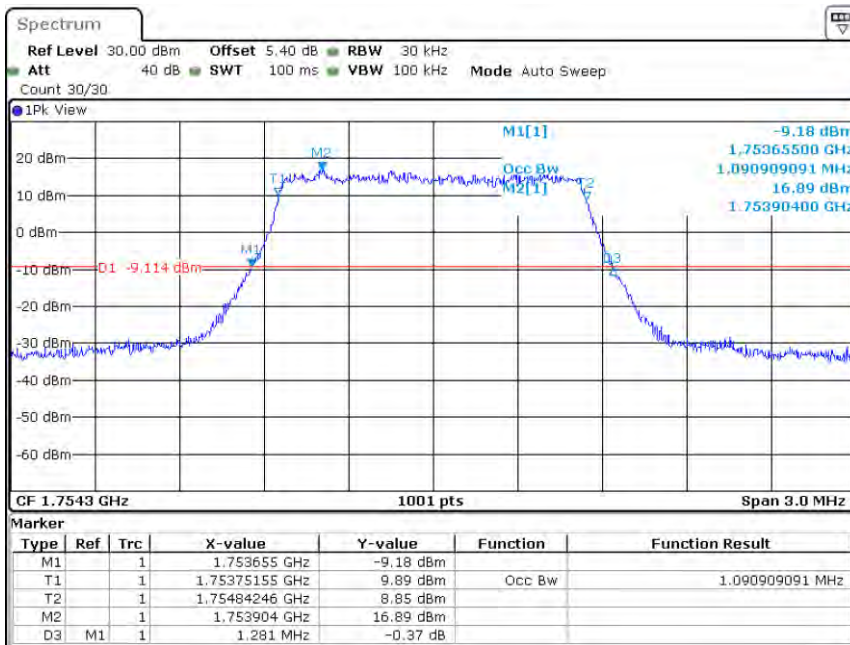


Date: 17.MAY.2021 04:43:41



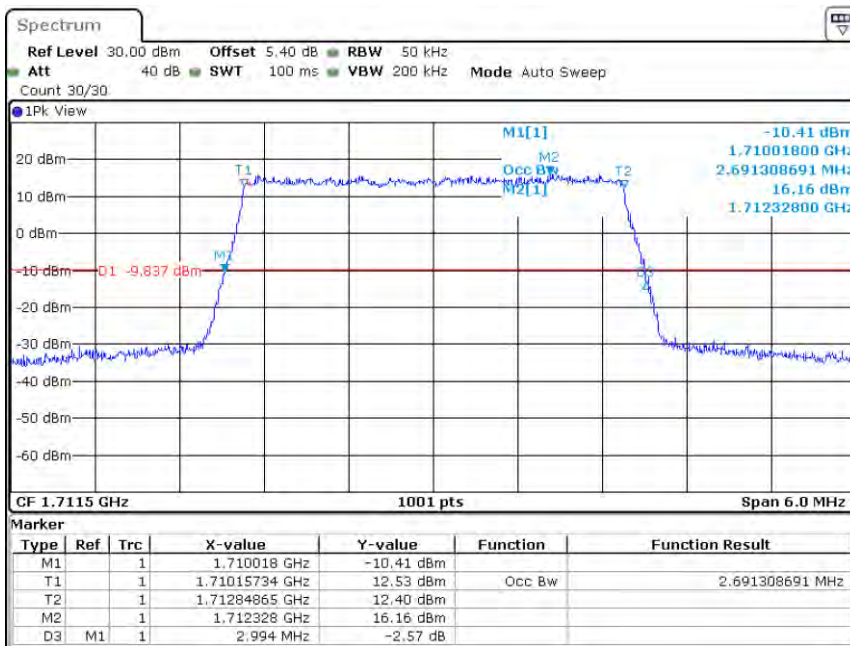
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Band4-1.4MHz-16QAM-20393-6RB#0-1.091



Date: 17.MAY.2021 04:44:07

Band4-3MHz-QPSK-19965-15RB#0-2.691



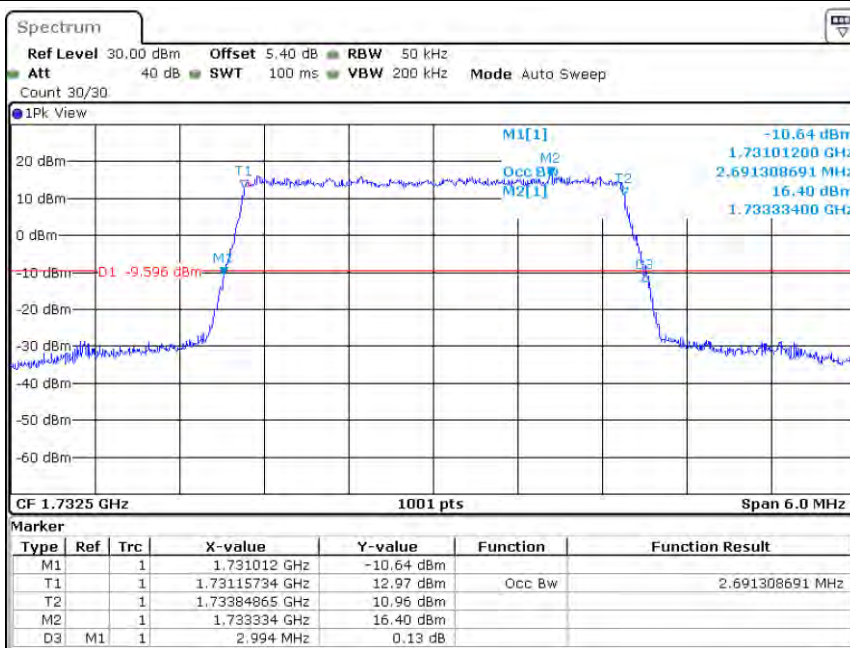
Date: 17.MAY.2021 04:44:25



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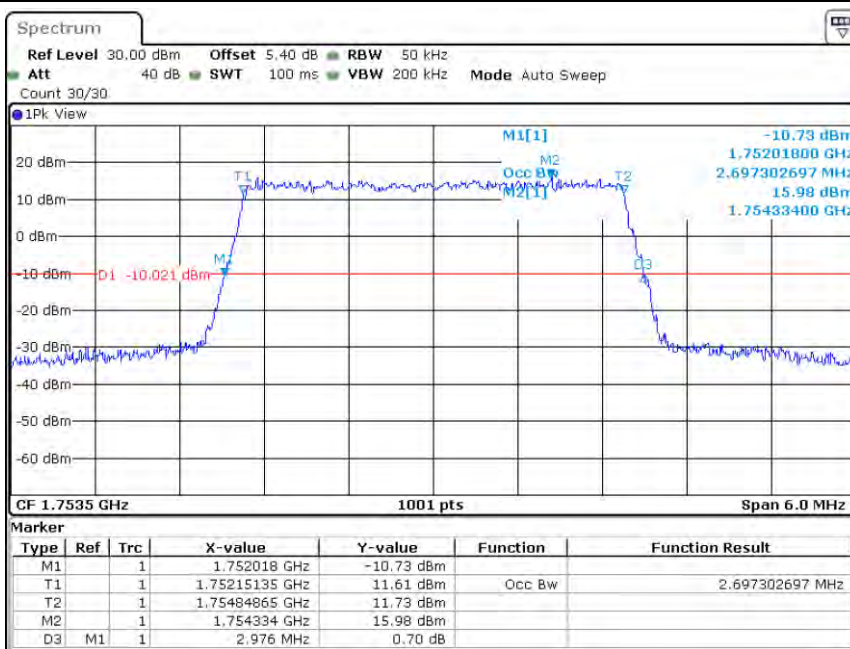


Band4-3MHz-QPSK-20175-15RB#0-2.691



Date: 17.MAY.2021 04:44:50

Band4-3MHz-QPSK-20385-15RB#0-2.697



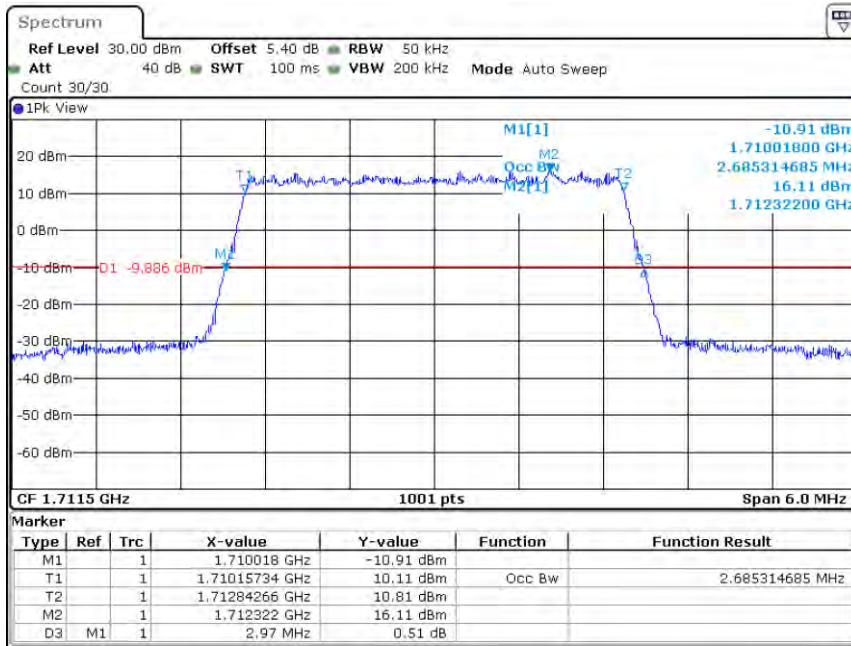
Date: 17.MAY.2021 04:45:16



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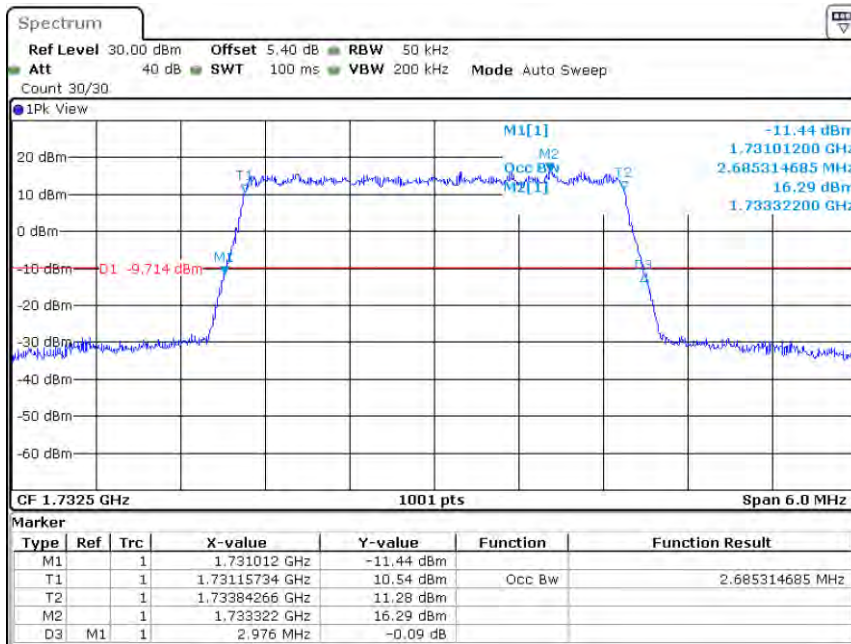


Band4-3MHz-16QAM-19965-15RB#0-2.685



Date: 17.MAY.2021 04:44:37

Band4-3MHz-16QAM-20175-15RB#0-2.685



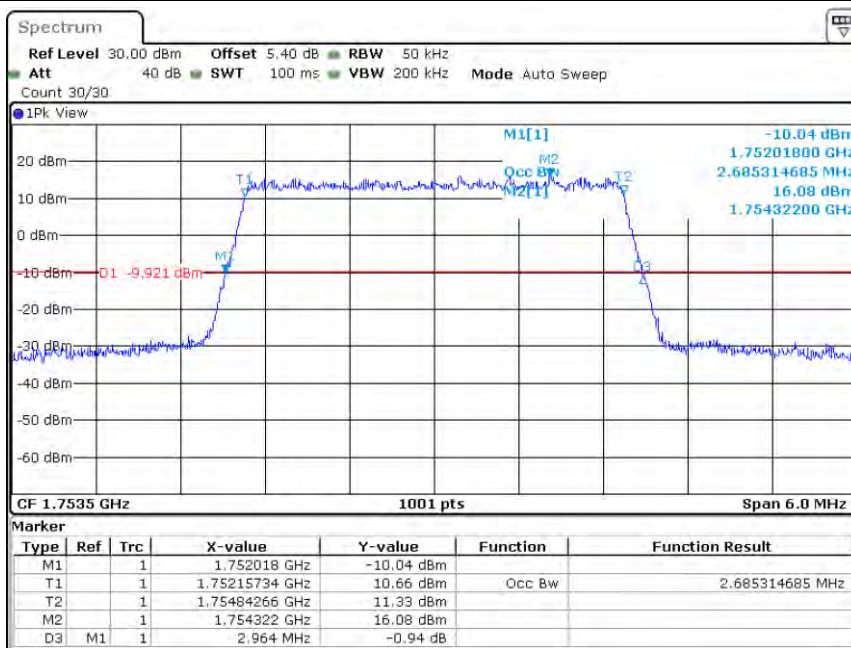
Date: 17.MAY.2021 04:45:03



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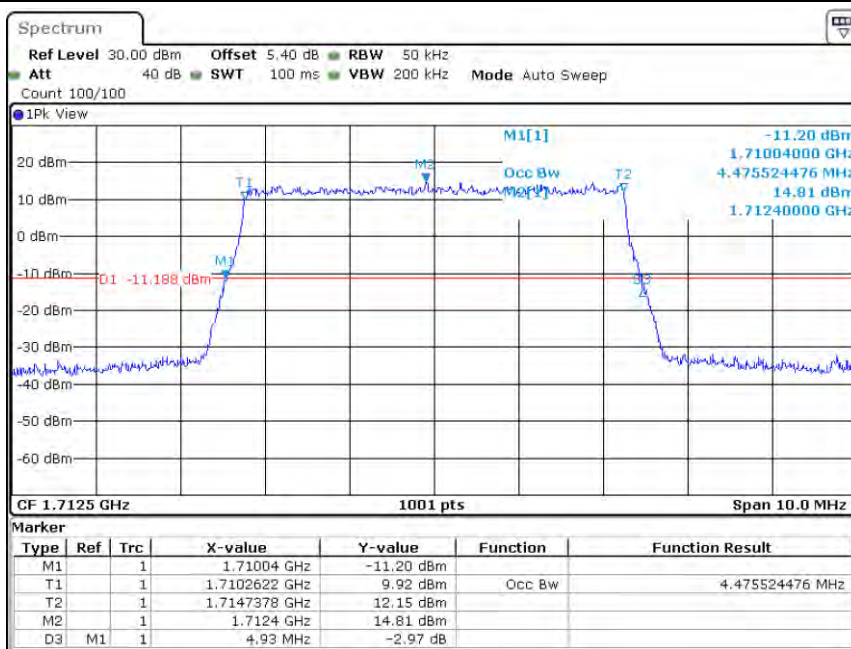


Band4-3MHz-16QAM-20385-15RB#0-2.685



Date: 17.MAY.2021 04:45:28

Band4-5MHz-QPSK-19975-25RB#0-4.476



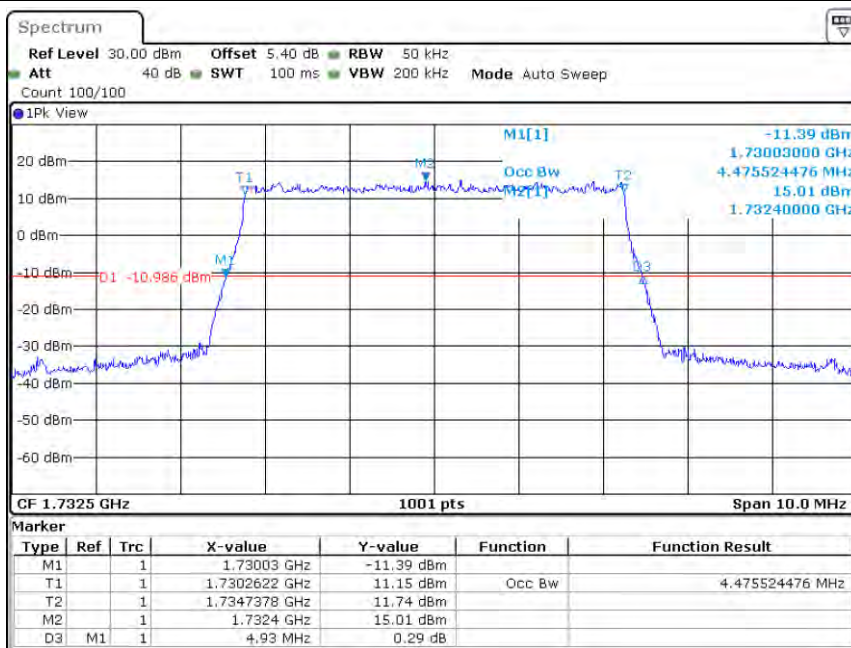
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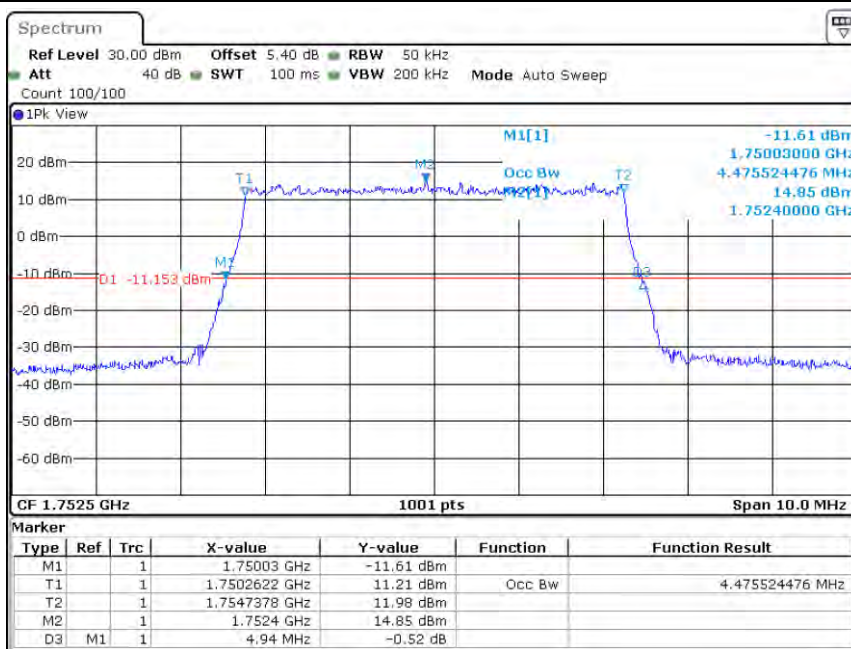
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Band4-5MHz-QPSK-20175-25RB#0-4.476



Band4-5MHz-QPSK-20375-25RB#0-4.476



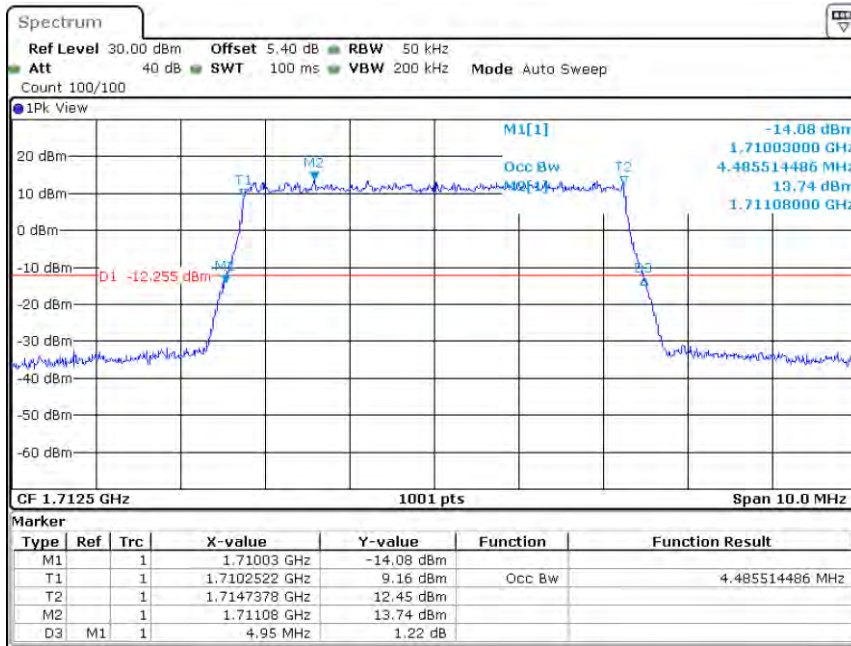
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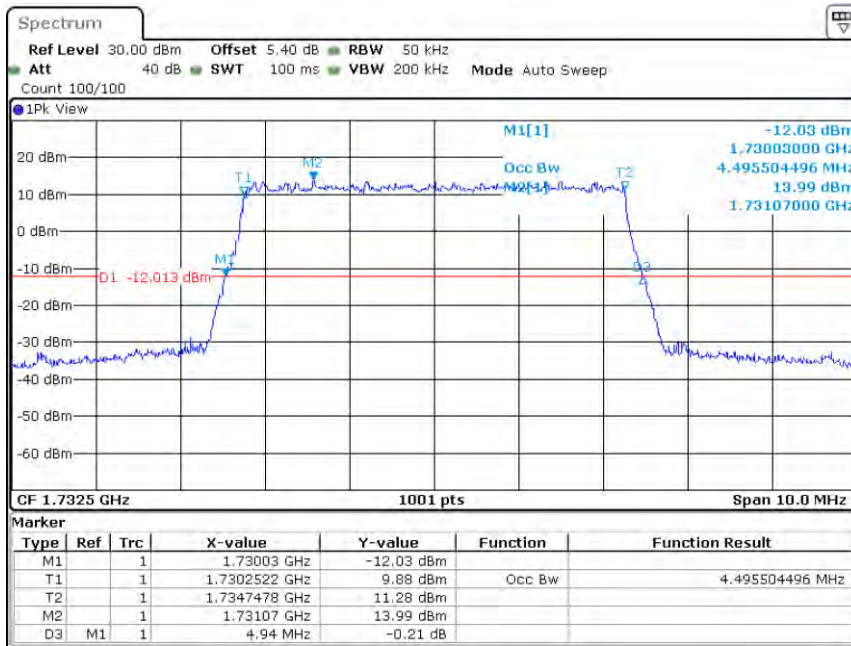


Band4-5MHz-16QAM-19975-25RB#0-4.486



Date: 17.MAY.2021 04:46:13

Band4-5MHz-16QAM-20175-25RB#0-4.496



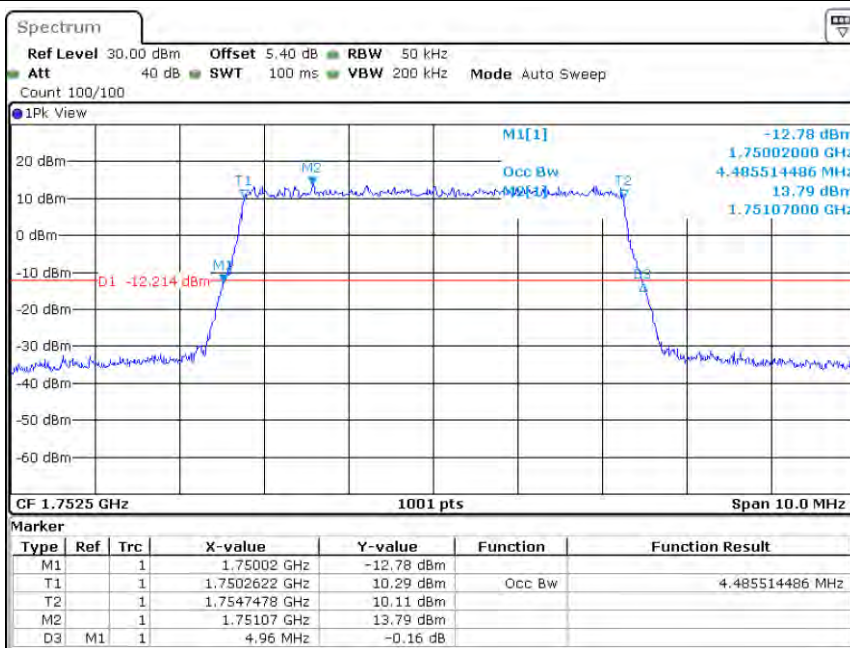
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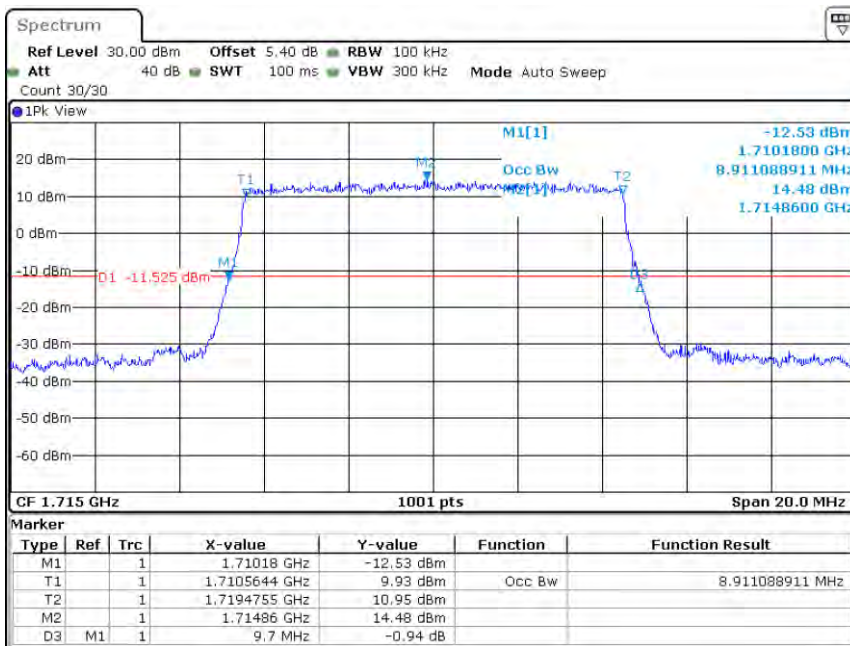


Band4-5MHz-16QAM-20375-25RB#0-4.486



Date: 17.MAY.2021 04:47:32

Band4-10MHz-QPSK-20000-50RB#0-8.911

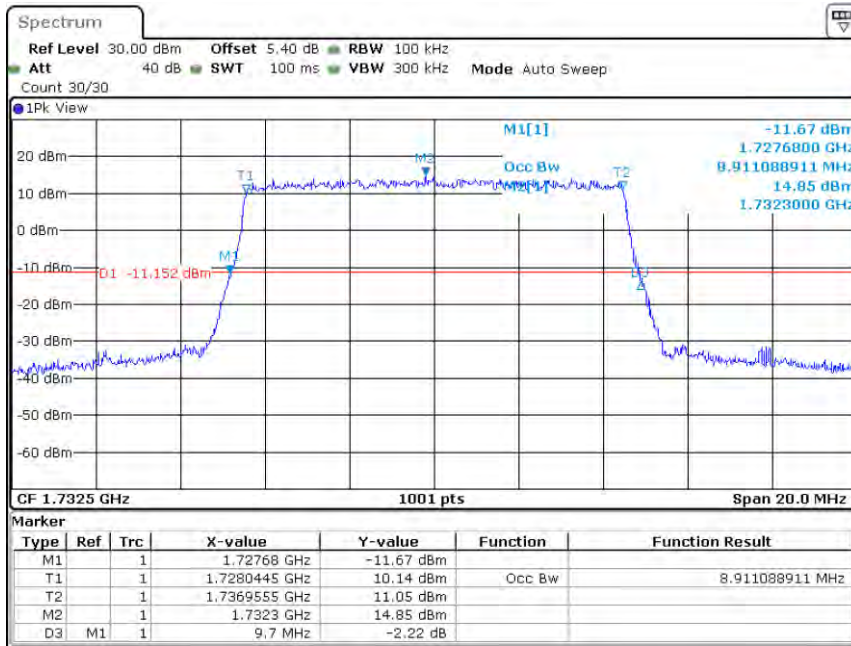


Date: 17.MAY.2021 04:47:49



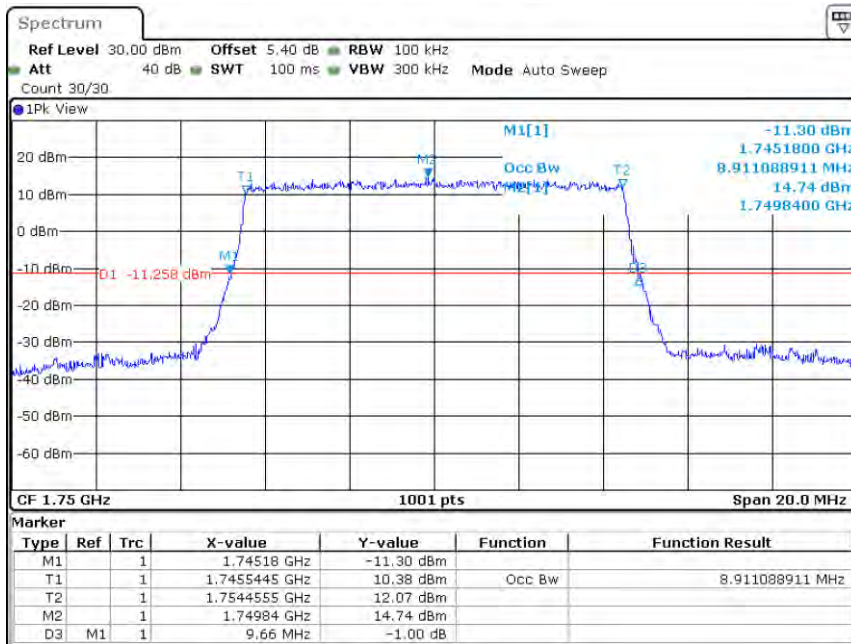
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Band4-10MHz-QPSK-20175-50RB#0-8.911



Date: 17.MAY.2021 04:48:15

Band4-10MHz-QPSK-20350-50RB#0-8.911



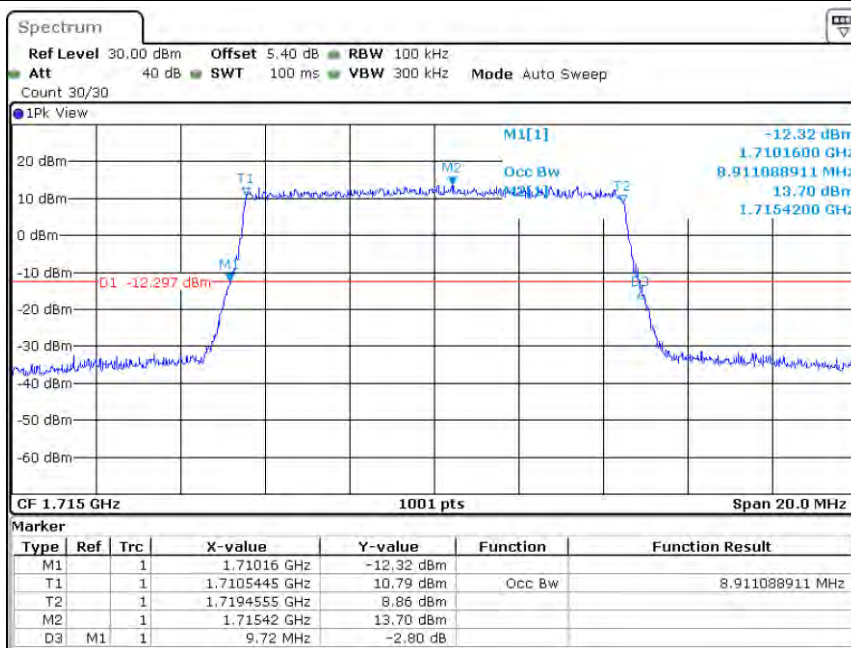
Date: 17.MAY.2021 04:48:40



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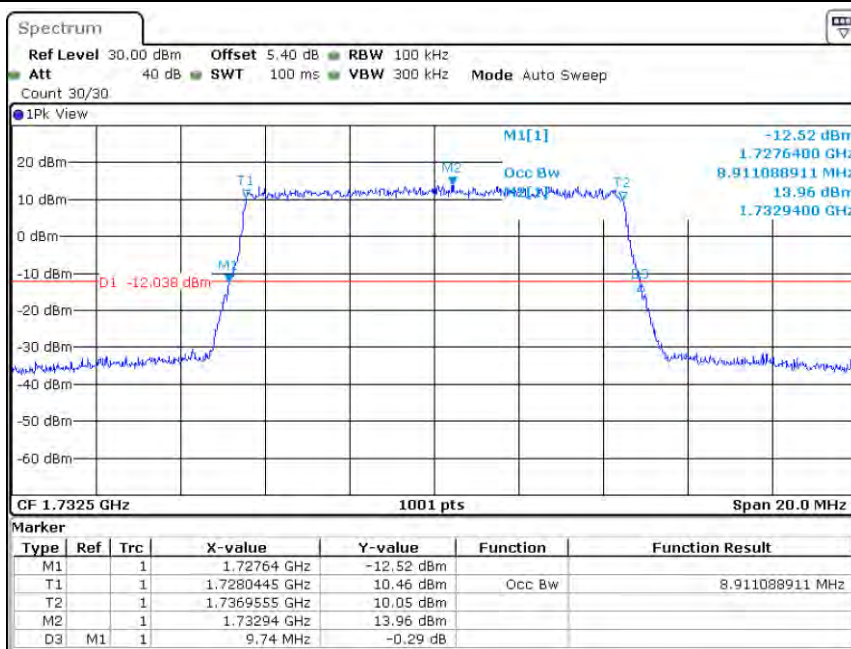


Band4-10MHz-16QAM-2000-50RB#0-8.911



Date: 17.MAY.2021 04:48:02

Band4-10MHz-16QAM-20175-50RB#0-8.911

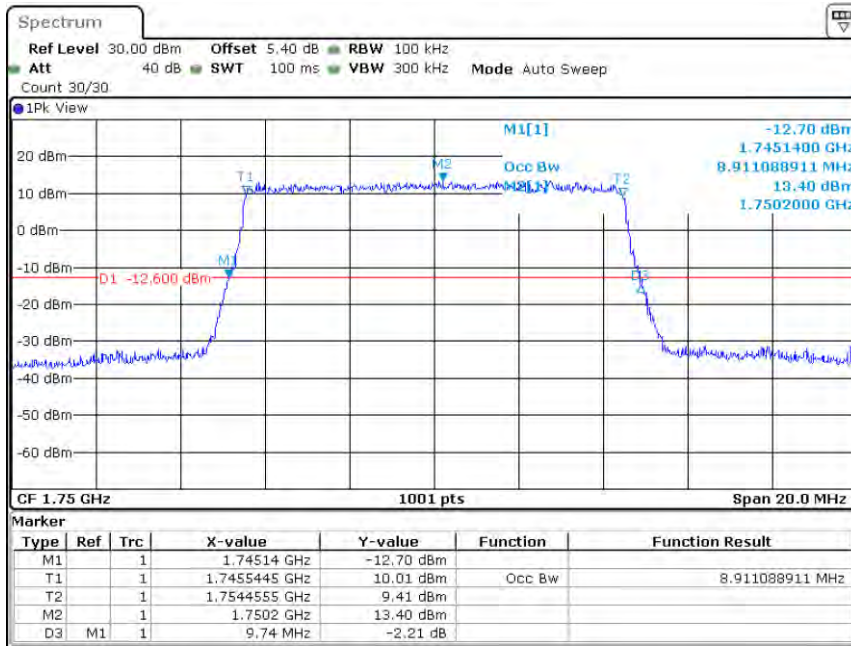


Date: 17.MAY.2021 04:48:27



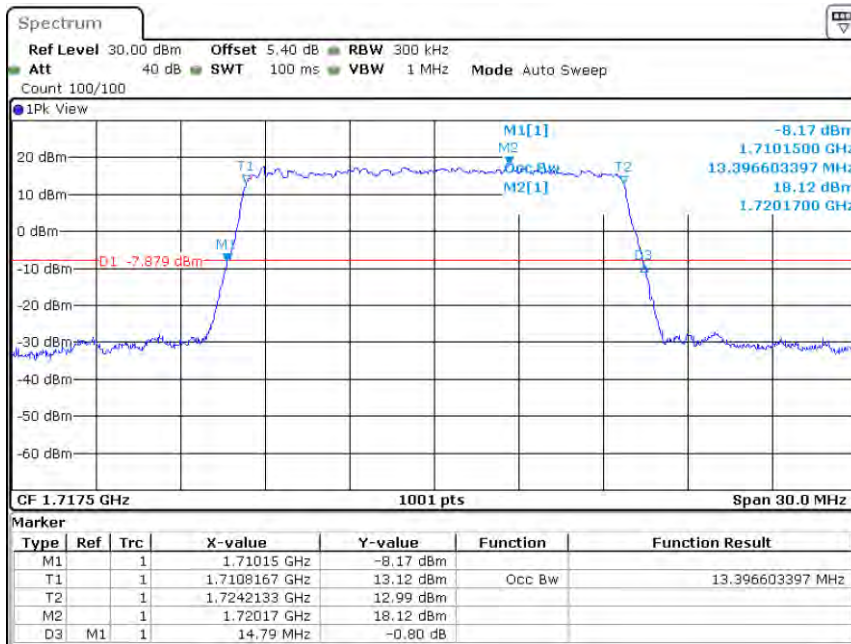
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Band4-10MHz-16QAM-20350-50RB#0-8.911



Date: 17.MAY.2021 04:48:53

Band4-15MHz-QPSK-20025-75RB#0-13.397

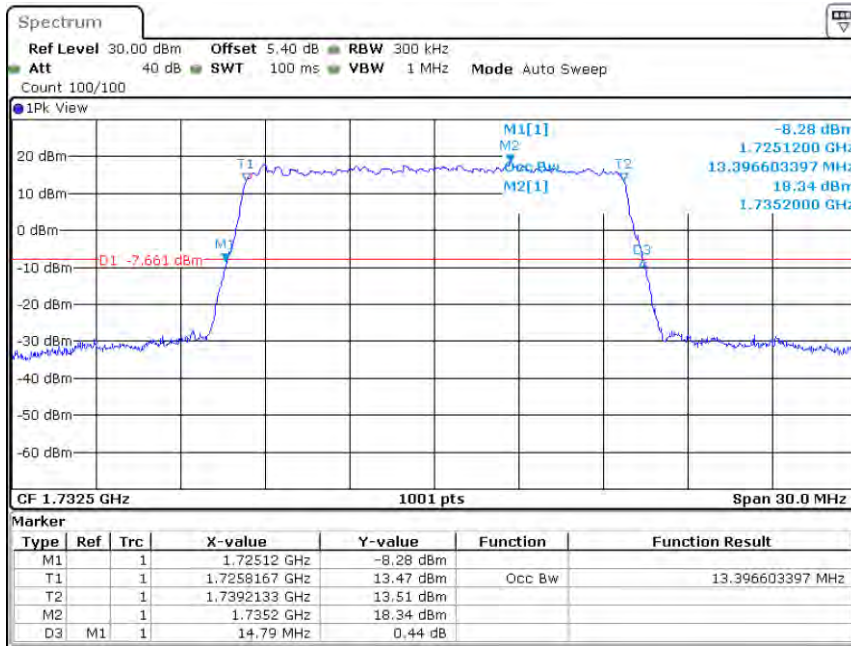


Date: 17.MAY.2021 04:49:17



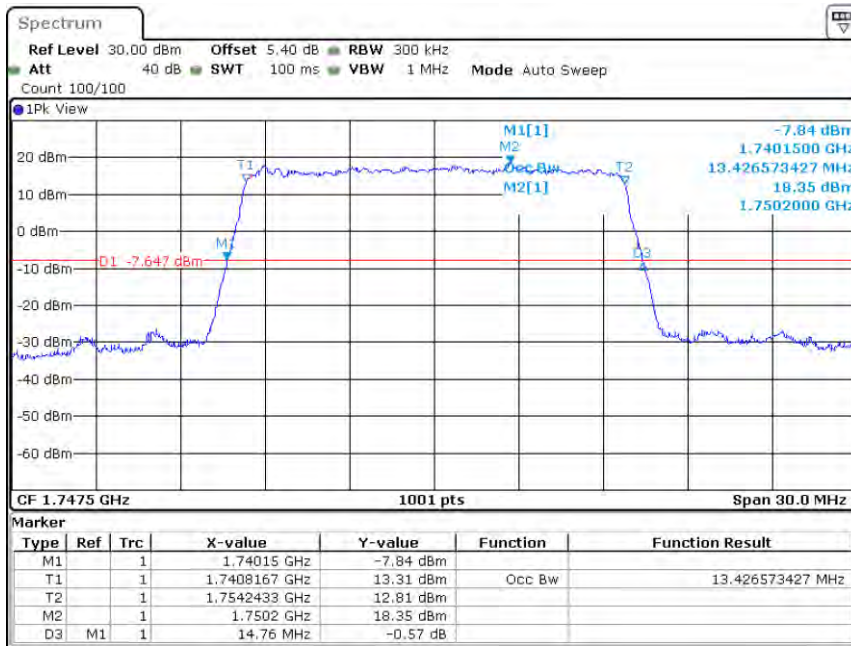
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Band4-15MHz-QPSK-20175-75RB#0-13.397



Date: 17.MAY.2021 04:49:57

Band4-15MHz-QPSK-20325-75RB#0-13.427

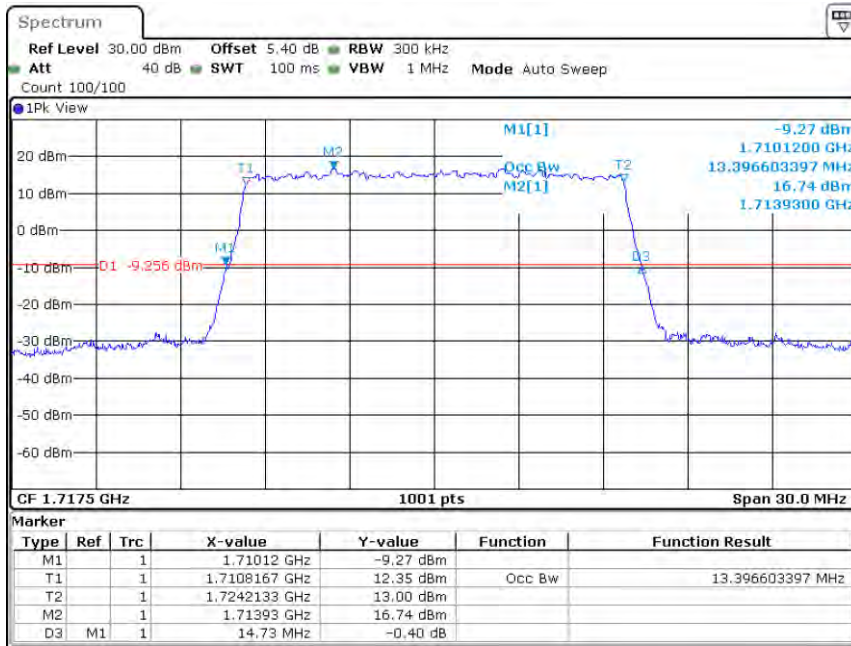


Date: 17.MAY.2021 04:50:36



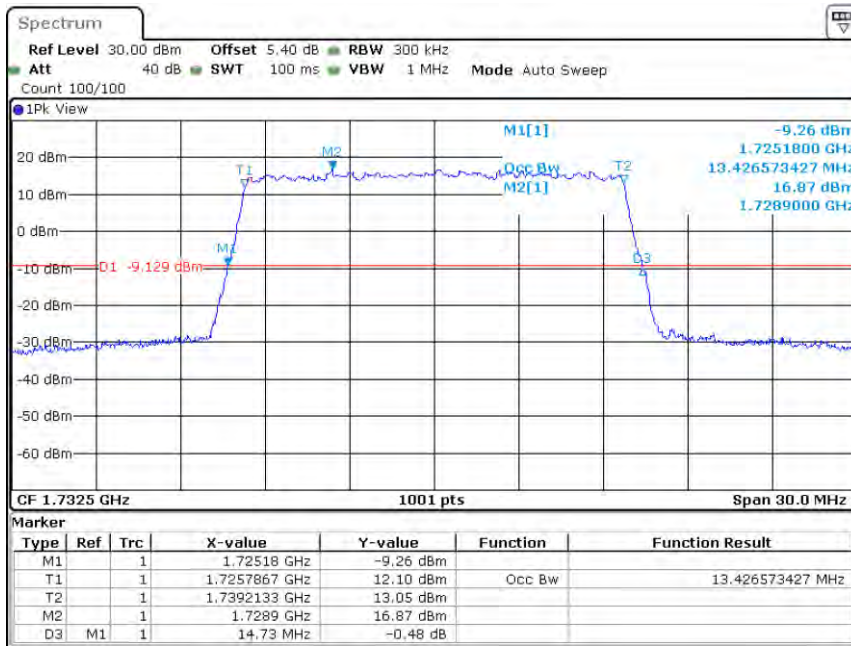
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Band4-15MHz-16QAM-20025-75RB#0-13.397



Date: 17.MAY.2021 04:49:37

Band4-15MHz-16QAM-20175-75RB#0-13.427

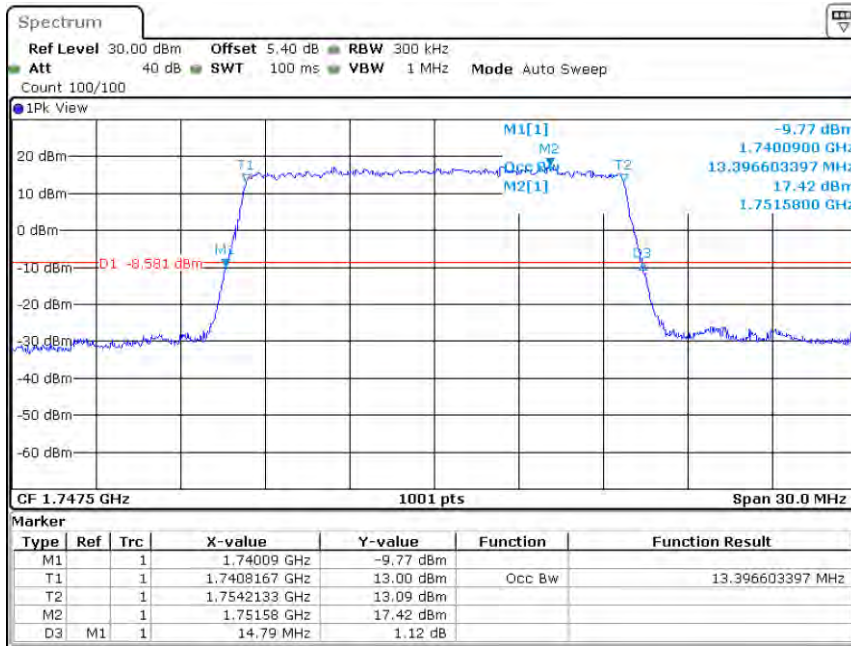


Date: 17.MAY.2021 04:50:16



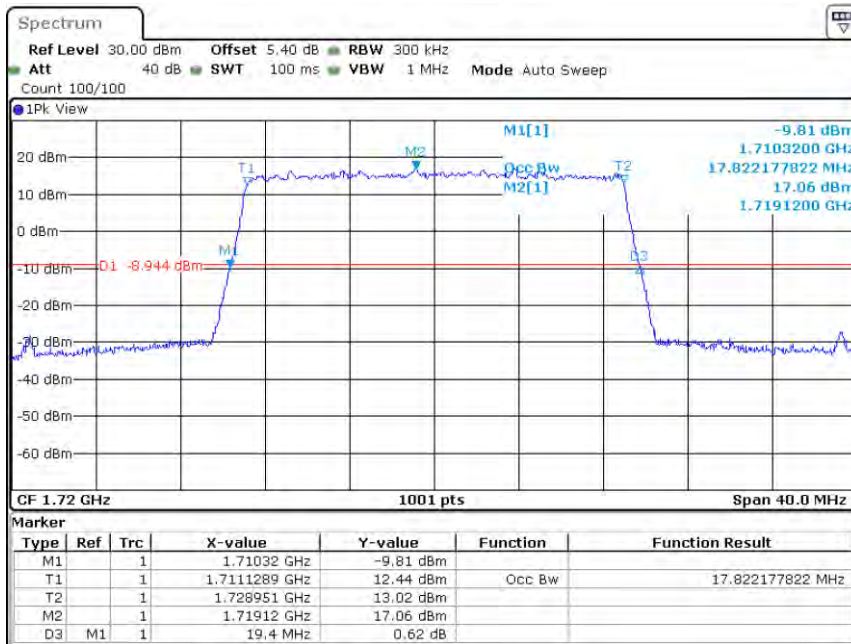
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Band4-15MHz-16QAM-20325-75RB#0-13.397



Date: 17.MAY.2021 04:50:56

Band4-20MHz-QPSK-20050-100RB#0-17.822

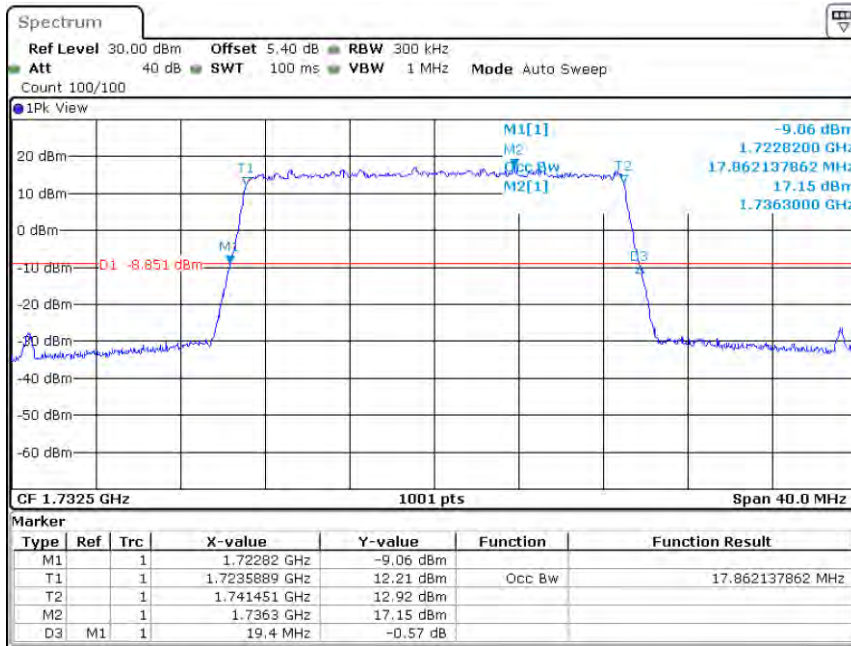


Date: 17.MAY.2021 04:51:20



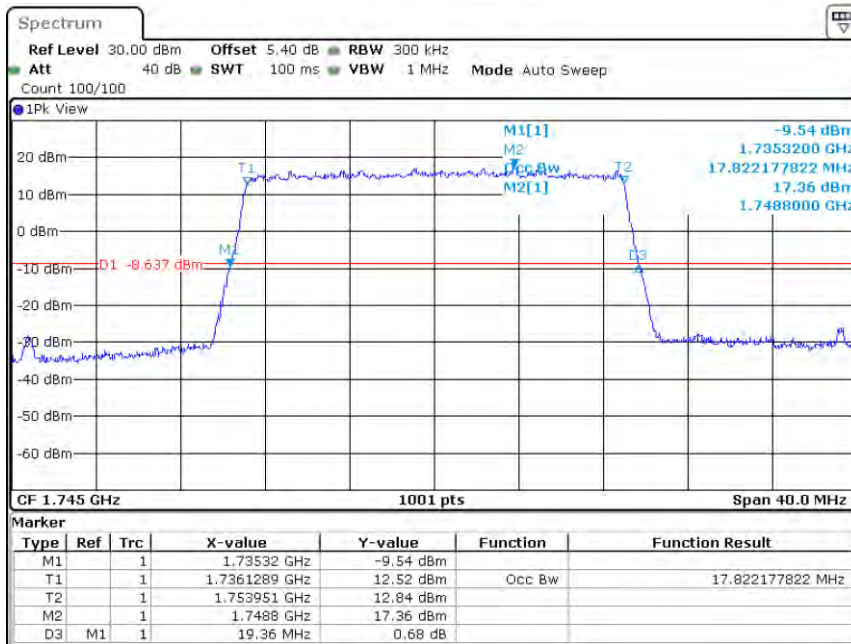
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Band4-20MHz-QPSK-20175-100RB#0-17.862



Date: 17.MAY.2021 04:52:00

Band4-20MHz-QPSK-20300-100RB#0-17.822



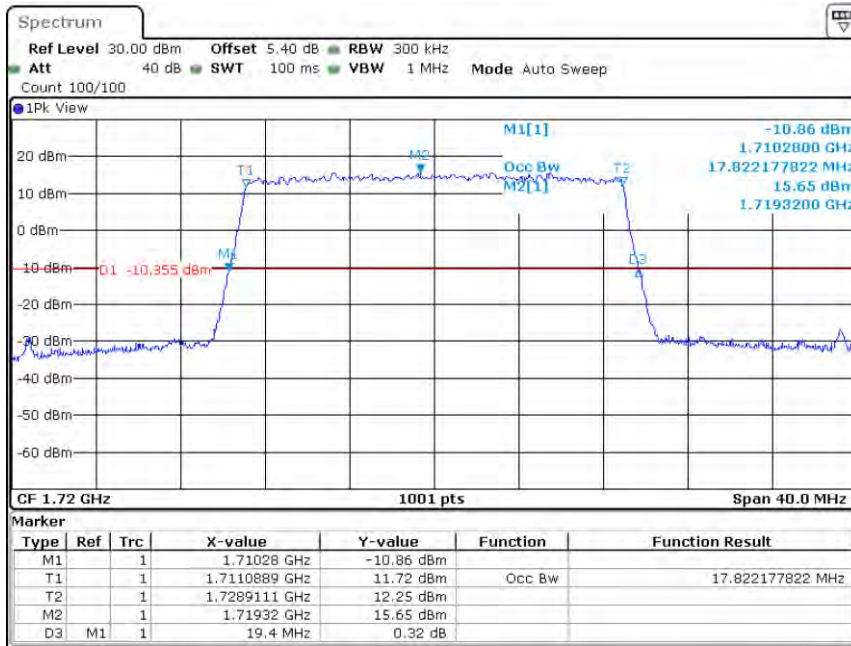
Date: 17.MAY.2021 04:52:39



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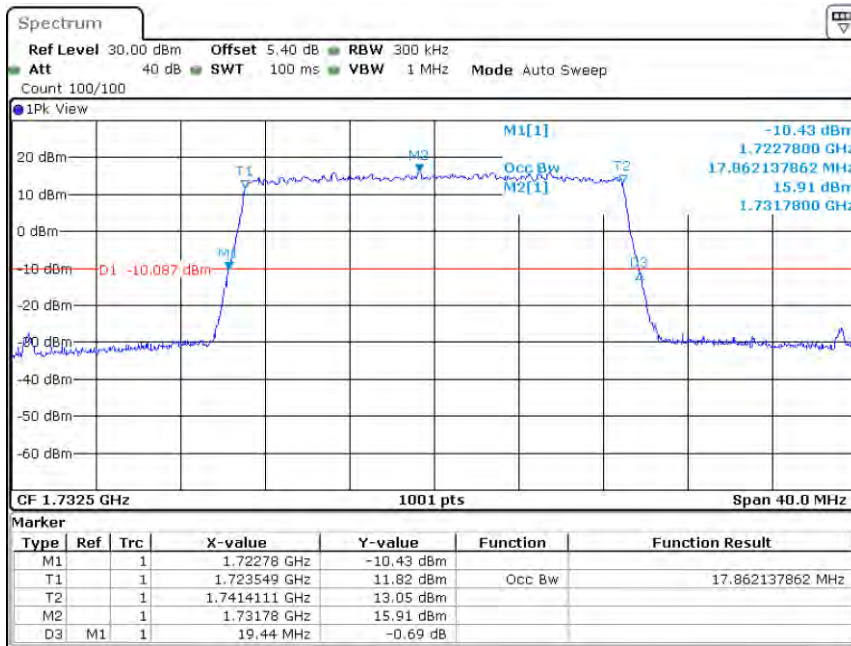


Band4-20MHz-16QAM-20050-100RB#0-17.822



Date: 17.MAY.2021 04:51:40

Band4-20MHz-16QAM-20175-100RB#0-17.862

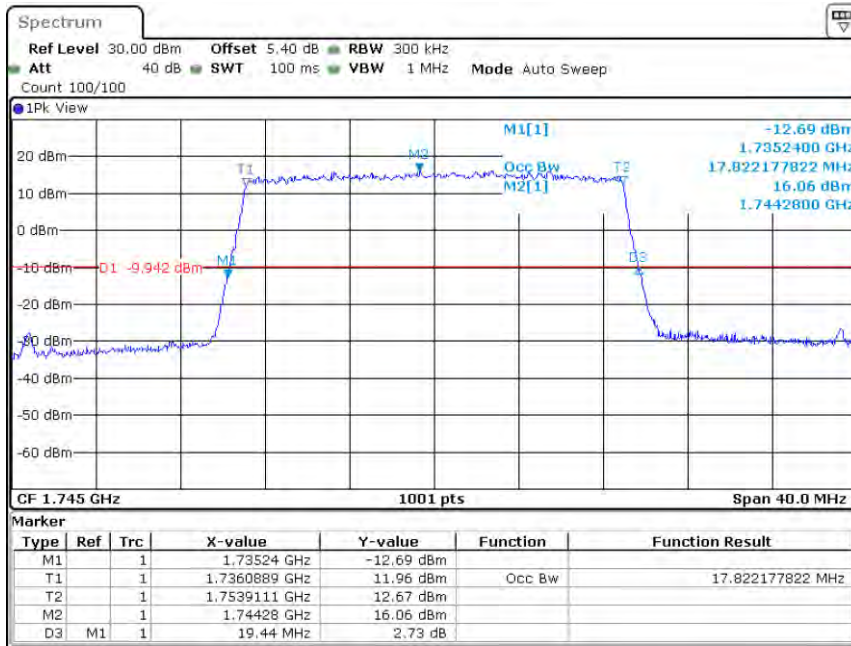


Date: 17.MAY.2021 04:52:20



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Band4-20MHz-16QAM-20300-100RB#0-17.822



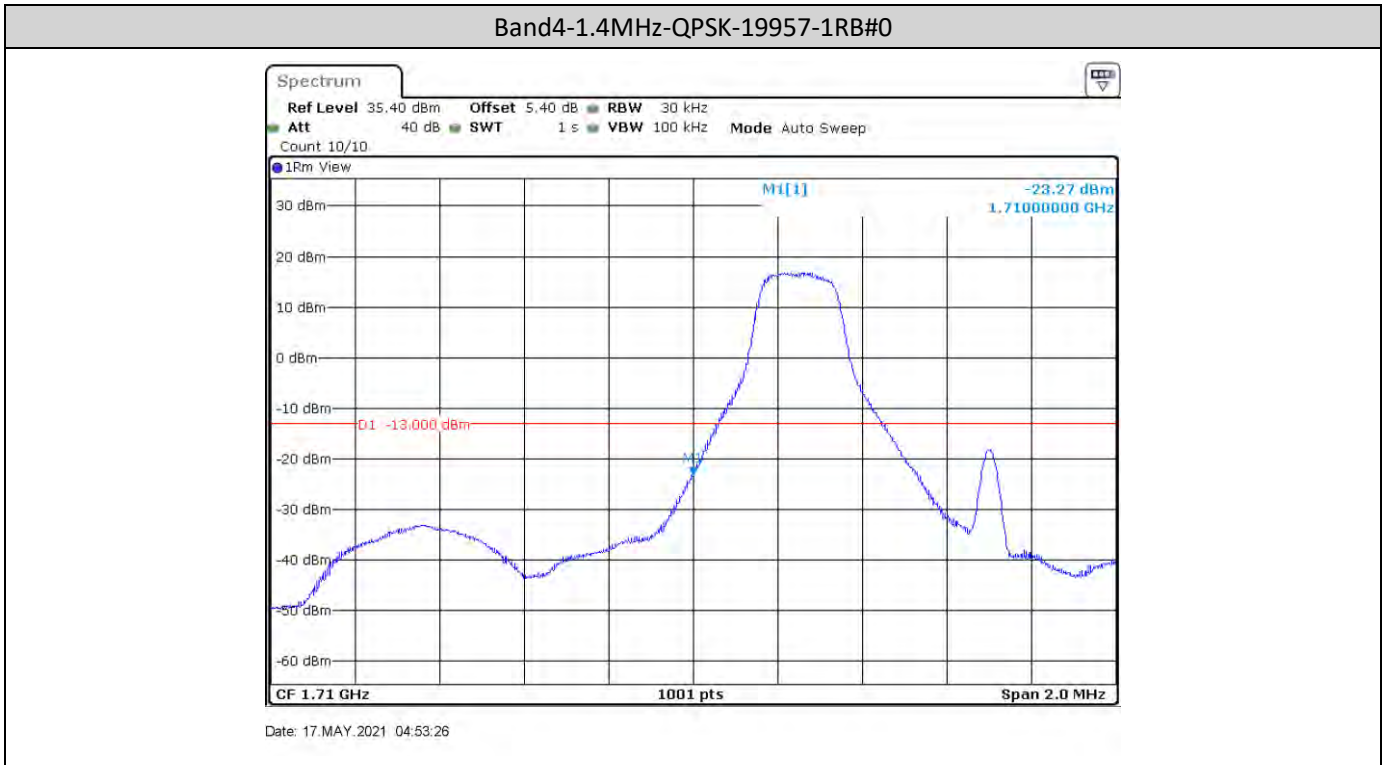
Date: 17.MAY.2021 04:52:59



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5. Band Edge Compliance

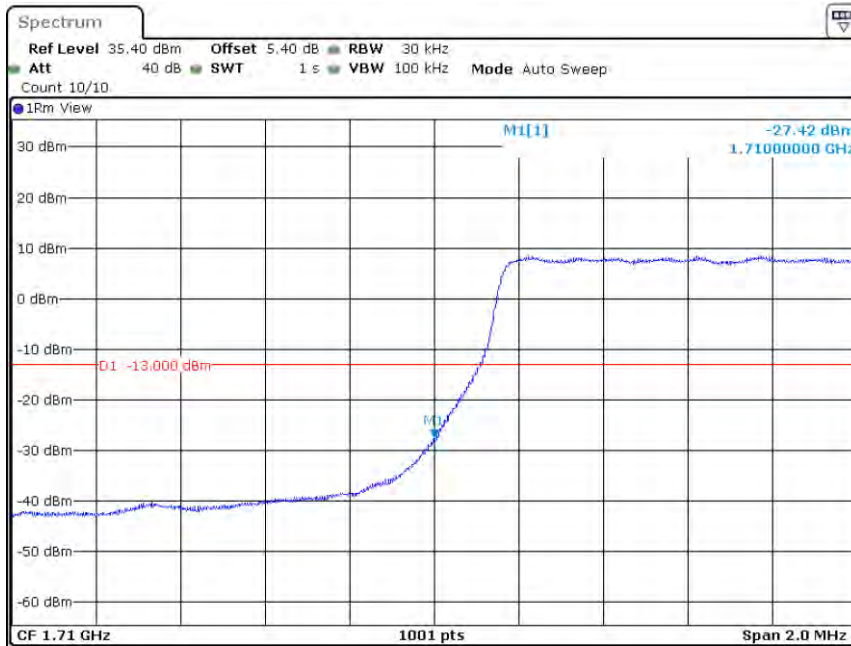
5.1. Test Plots



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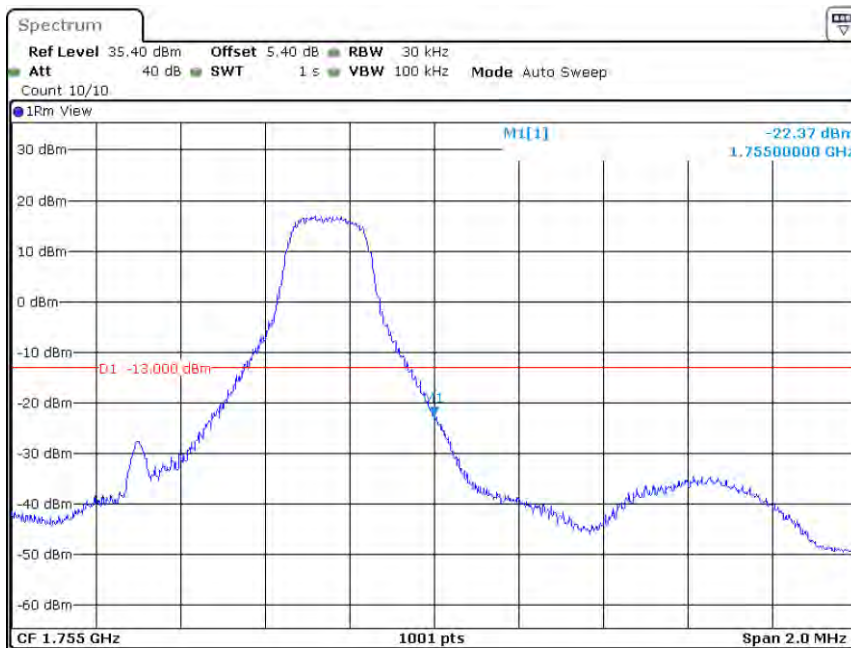
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Band4-1.4MHz-QPSK-19957-6RB#0



Date: 17.MAY.2021 04:54:07

Band4-1.4MHz-QPSK-20393-1RB#5

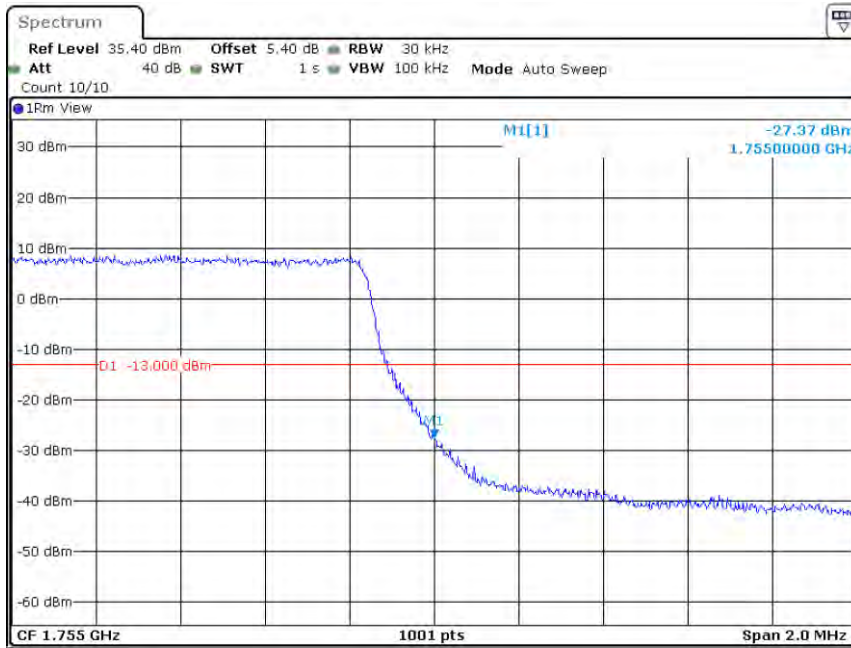


Date: 17.MAY.2021 04:54:52



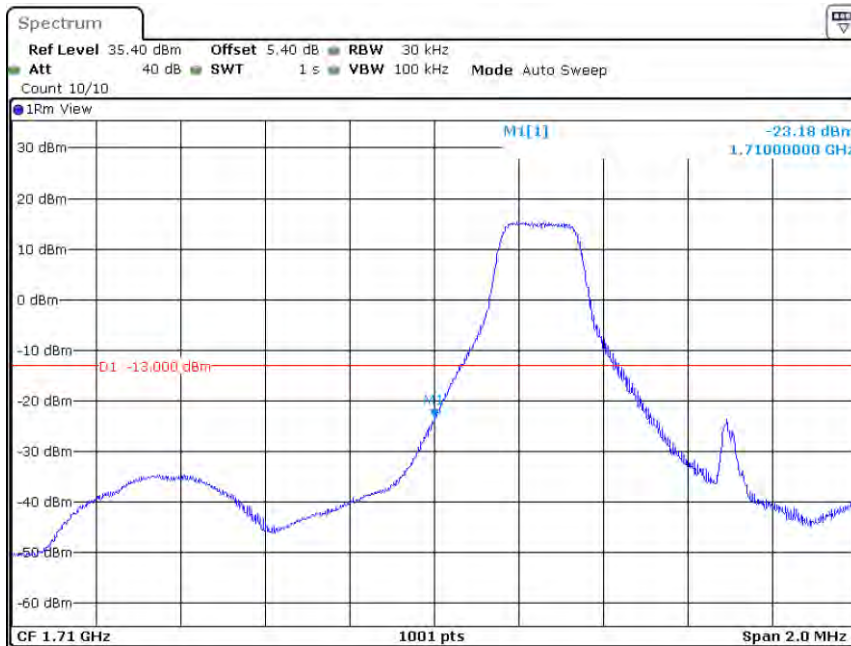
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Band4-1.4MHz-QPSK-20393-6RB#0



Date: 17.MAY.2021 04:55:34

Band4-1.4MHz-16QAM-19957-1RB#0



Date: 17.MAY.2021 04:53:46



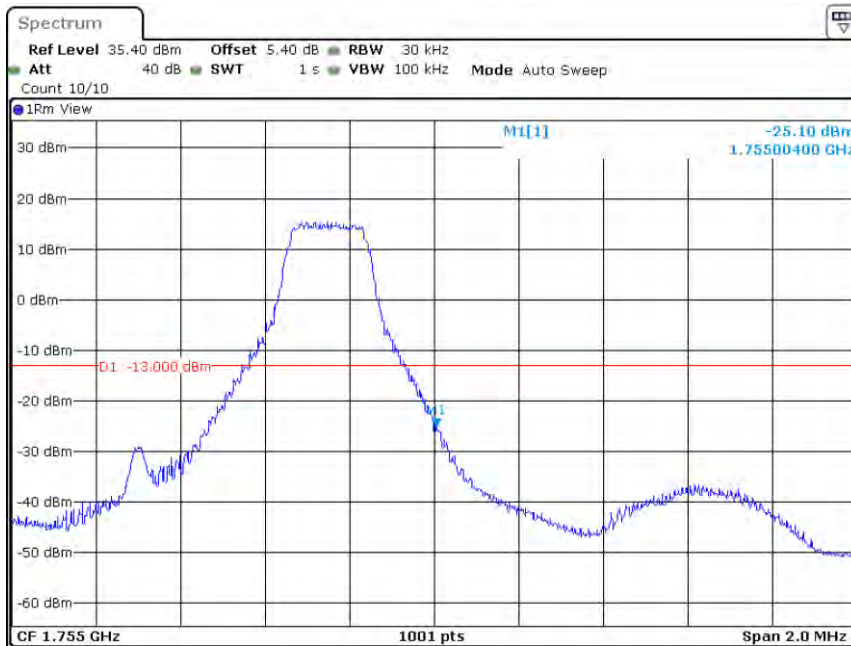
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Band4-1.4MHz-16QAM-19957-6RB#0



Date: 17.MAY.2021 04:54:27

Band4-1.4MHz-16QAM-20393-1RB#5

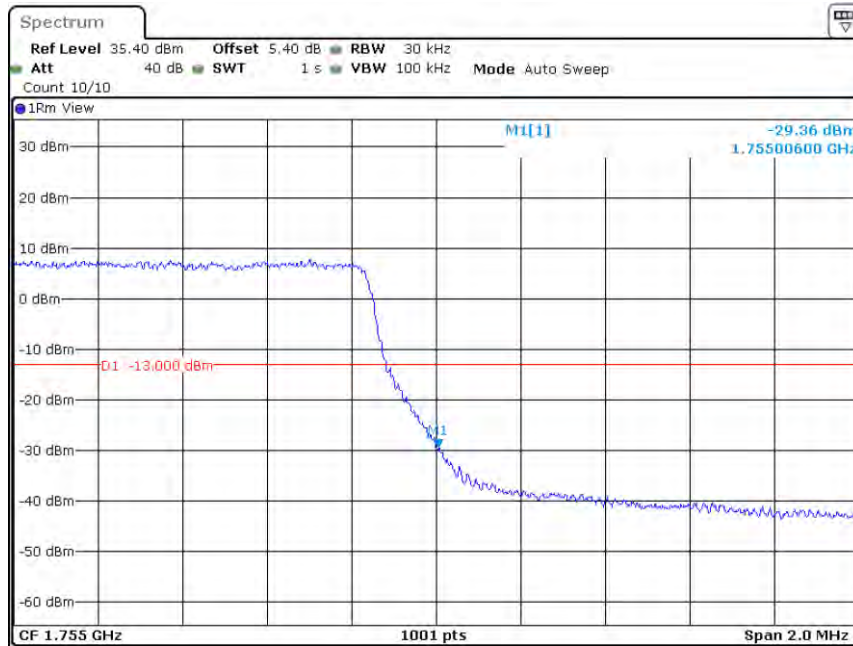


Date: 17.MAY.2021 04:55:13



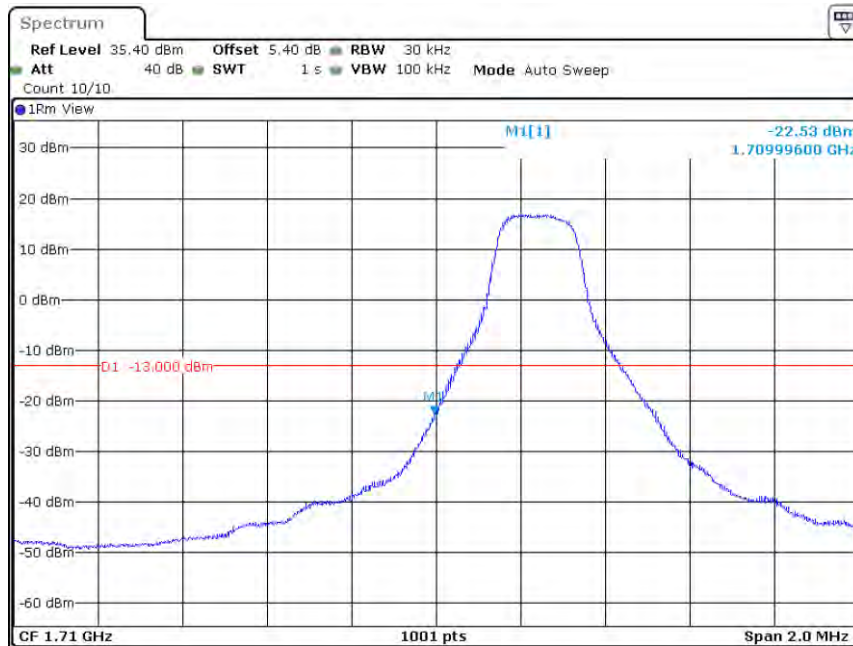
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Band4-1.4MHz-16QAM-20393-6RB#0



Date: 17.MAY.2021 04:55:54

Band4-3MHz-QPSK-19965-1RB#0

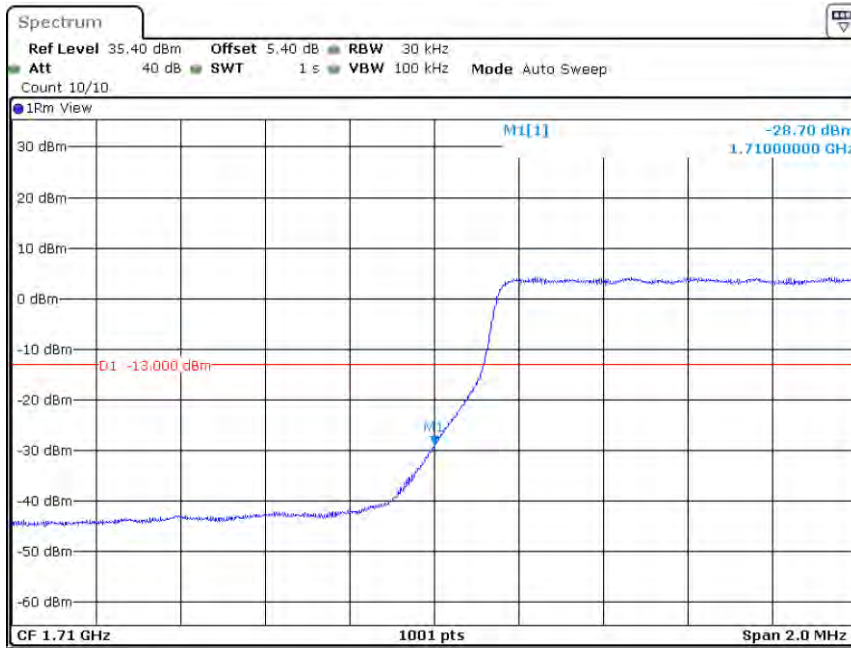


Date: 17.MAY.2021 04:56:20



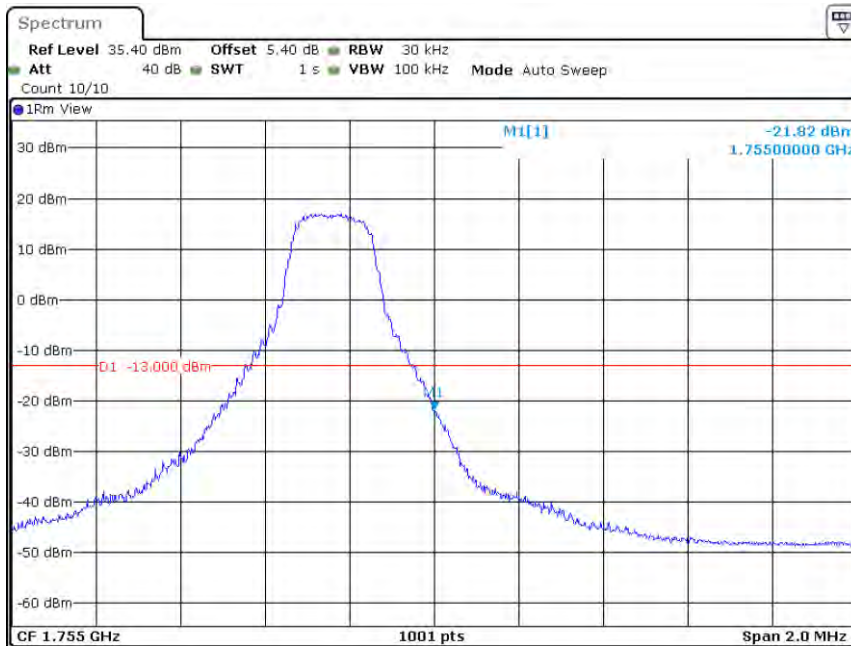
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Band4-3MHz-QPSK-19965-15RB#0



Date: 17.MAY.2021 04:57:01

Band4-3MHz-QPSK-20385-1RB#14



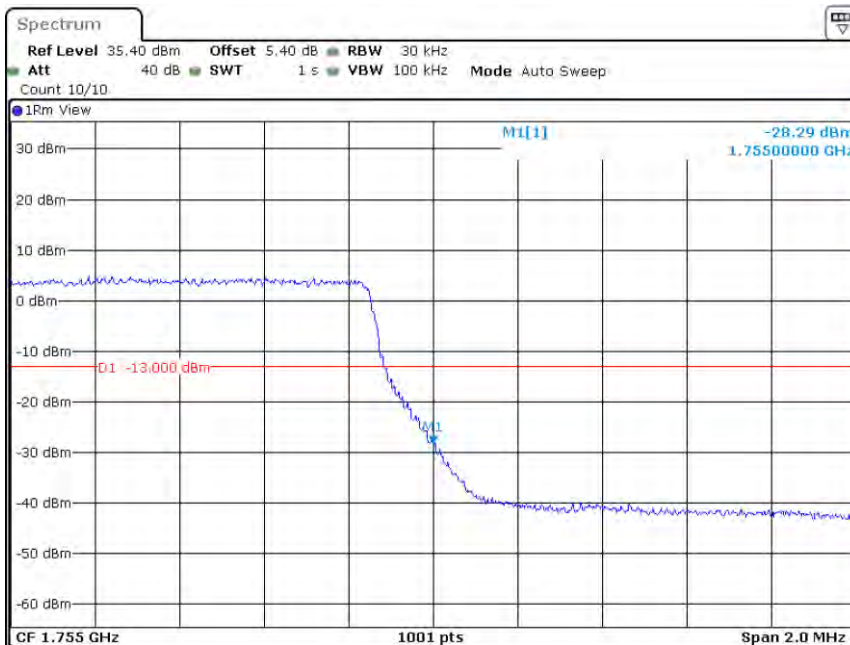
Date: 17.MAY.2021 04:57:47



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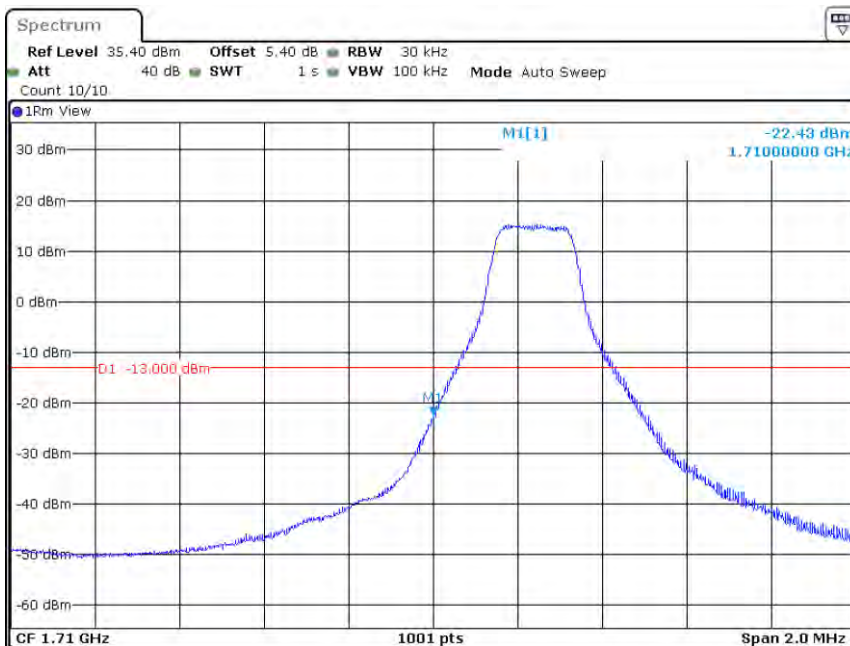


Band4-3MHz-QPSK-20385-15RB#0



Date: 17.MAY.2021 04:58:28

Band4-3MHz-16QAM-19965-1RB#0



Date: 17.MAY.2021 04:56:40



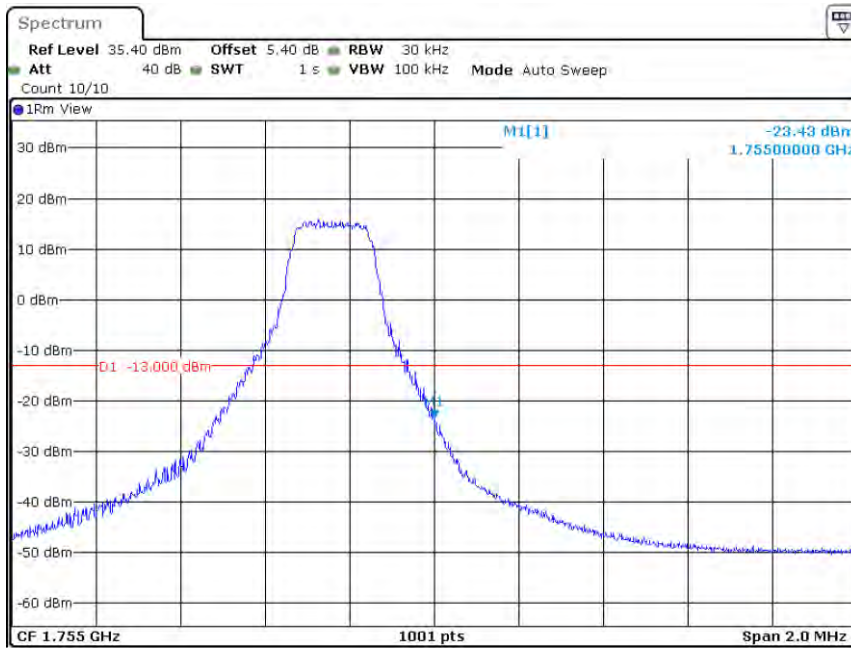
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Band4-3MHz-16QAM-19965-15RB#0



Date: 17.MAY.2021 04:57:22

Band4-3MHz-16QAM-20385-1RB#14

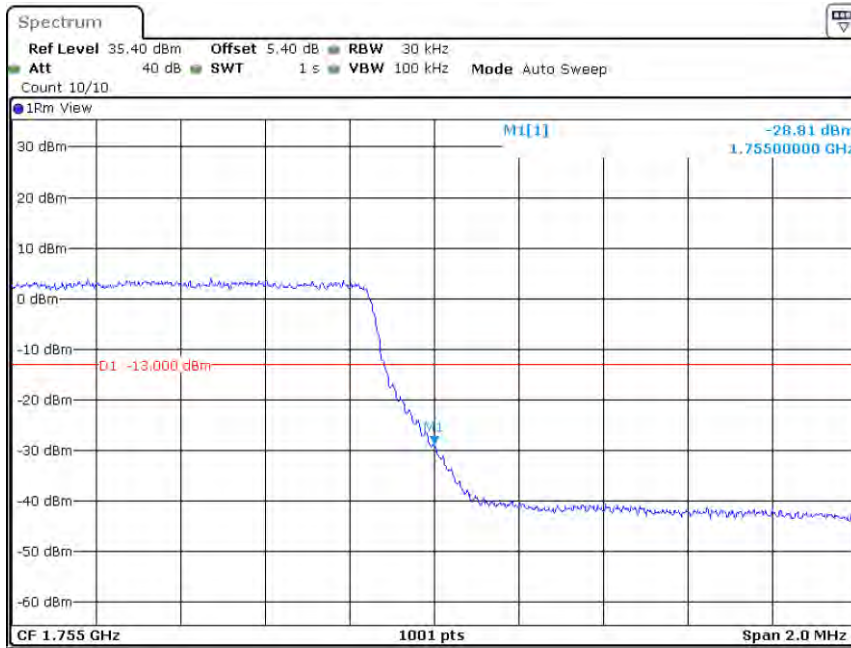


Date: 17.MAY.2021 04:58:08



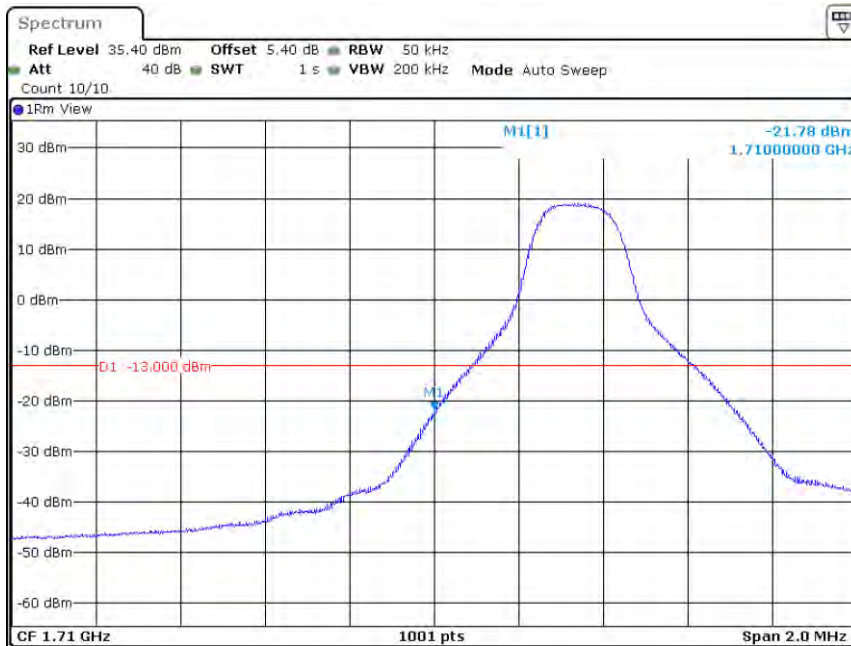
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Band4-3MHz-16QAM-20385-15RB#0



Date: 17.MAY.2021 04:58:49

Band4-5MHz-QPSK-19975-1RB#0



Date: 17.MAY.2021 04:59:14



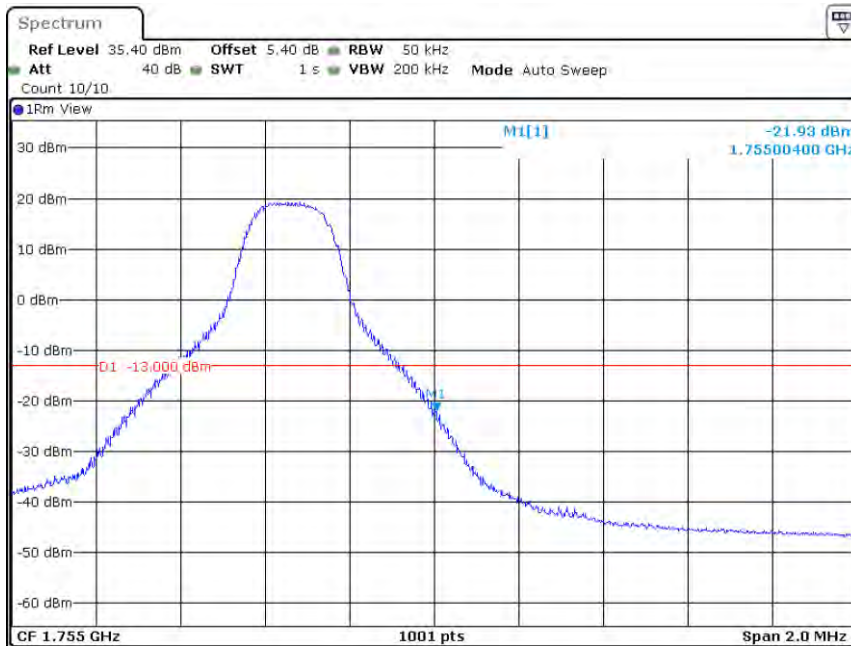
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Band4-5MHz-QPSK-19975-25RB#0



Date: 17.MAY.2021 04:59:56

Band4-5MHz-QPSK-20375-1RB#24



Date: 17.MAY.2021 05:00:42



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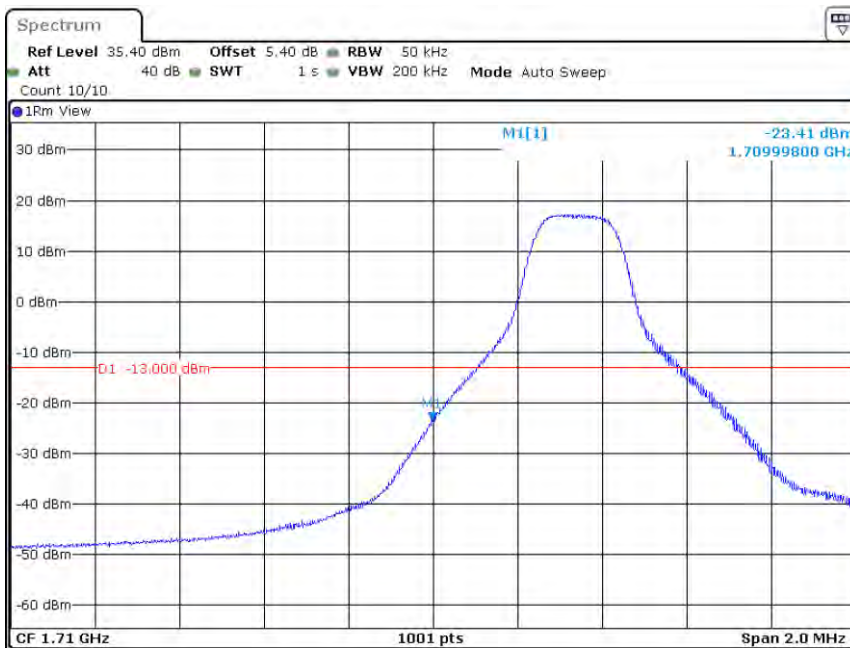


Band4-5MHz-QPSK-20375-25RB#0



Date: 17.MAY.2021 05:01:23

Band4-5MHz-16QAM-19975-1RB#0

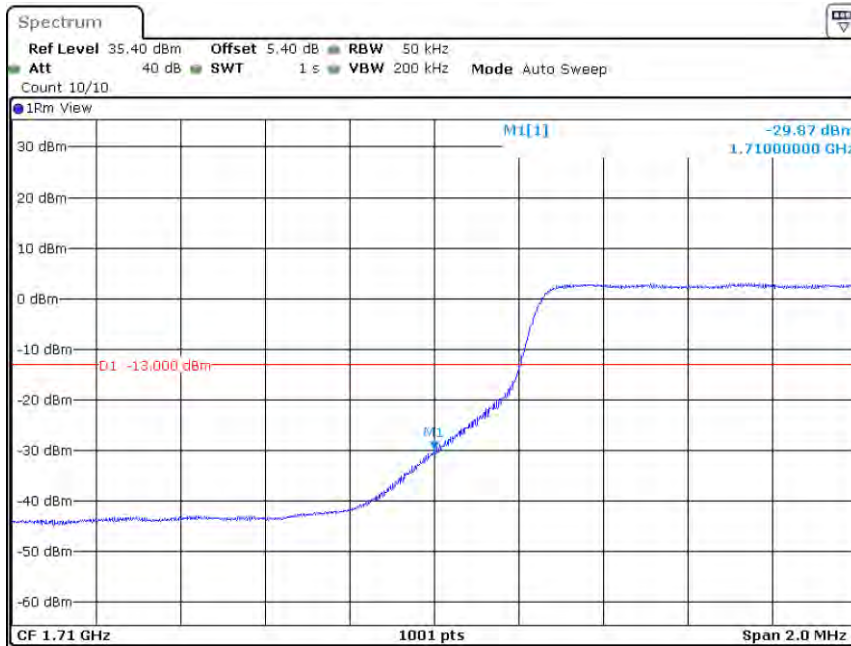


Date: 17.MAY.2021 04:59:35



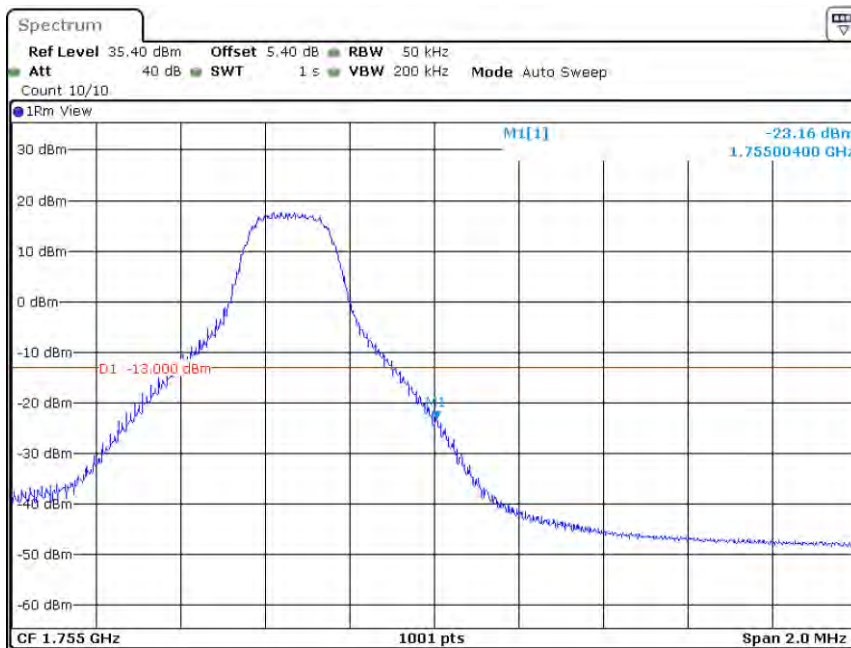
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Band4-5MHz-16QAM-19975-25RB#0



Date: 17.MAY.2021 05:00:16

Band4-5MHz-16QAM-20375-1RB#24

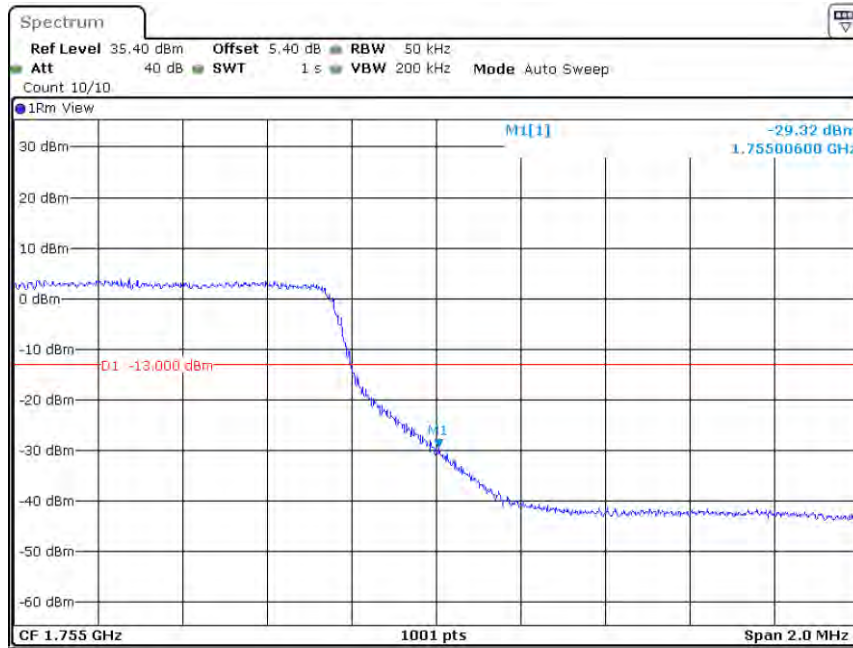


Date: 17.MAY.2021 05:01:02



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Band4-5MHz-16QAM-20375-25RB#0



Date: 17.MAY.2021 05:01:43

Band4-10MHz-QPSK-20000-1RB#0



Date: 17.MAY.2021 05:02:09



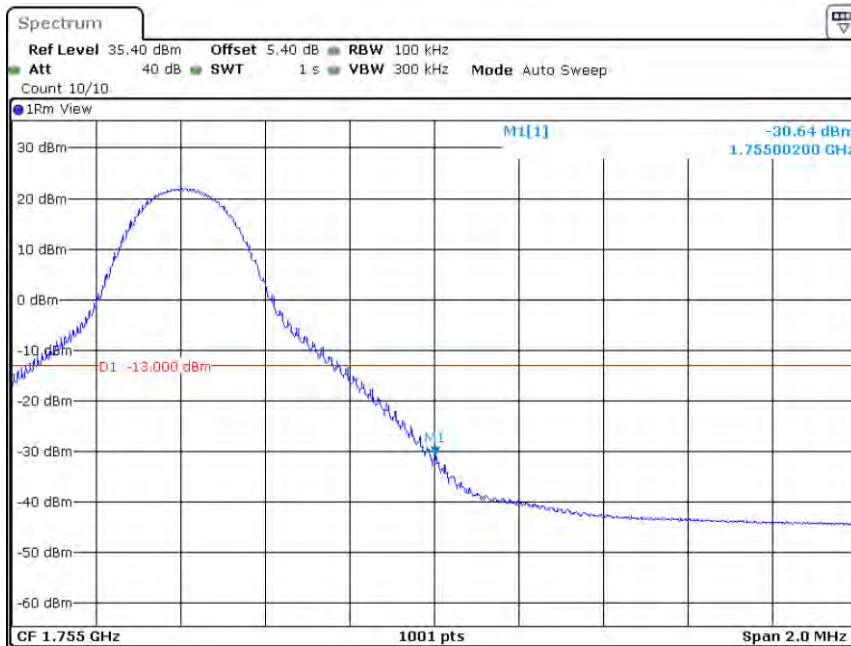
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Band4-10MHz-QPSK-20000-50RB#0



Date: 17.MAY.2021 05:02:50

Band4-10MHz-QPSK-20350-1RB#49

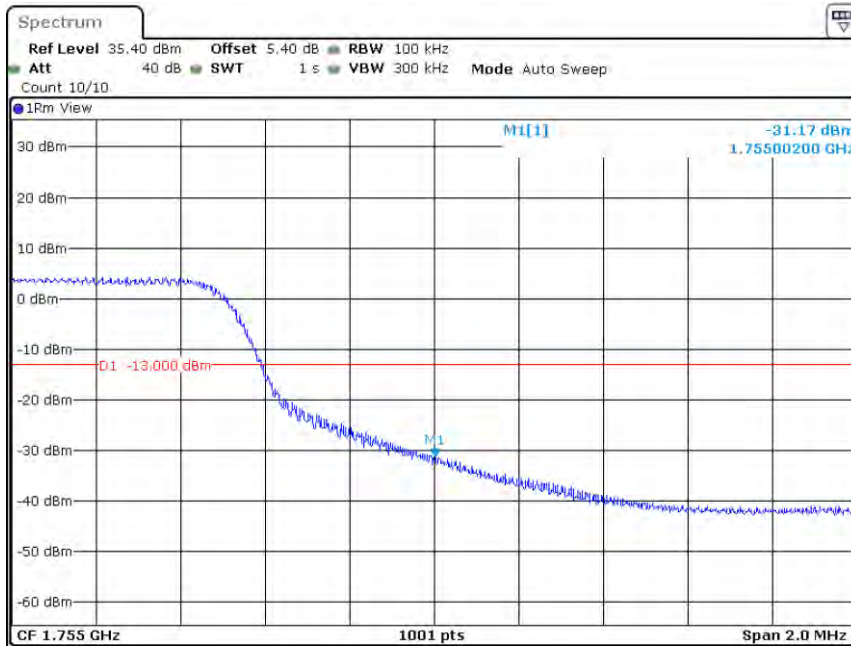


Date: 17.MAY.2021 05:03:36



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Band4-10MHz-QPSK-20350-50RB#0



Date: 17.MAY.2021 05:04:17

Band4-10MHz-16QAM-20000-1RB#0



Date: 17.MAY.2021 05:02:30



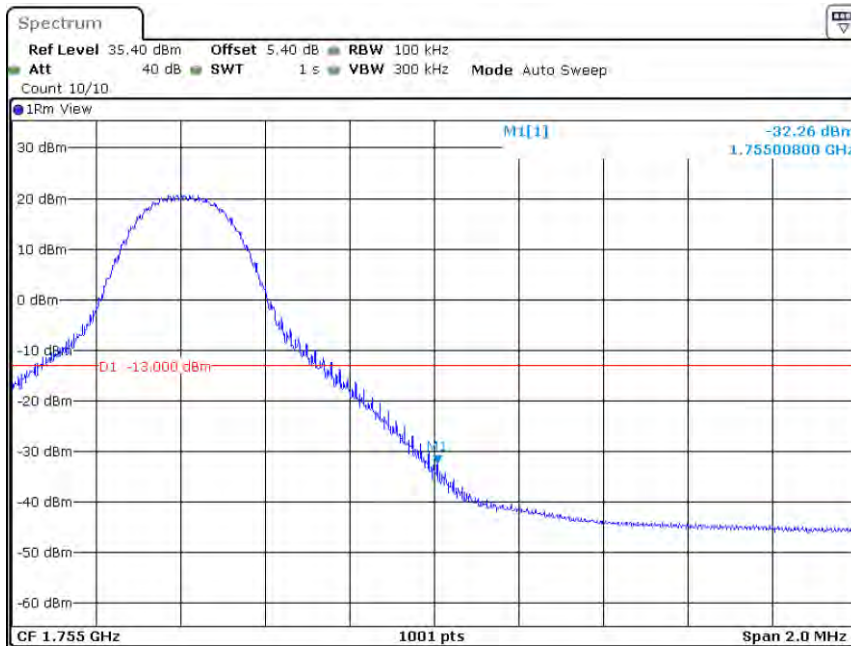
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Band4-10MHz-16QAM-20000-50RB#0



Date: 17.MAY.2021 05:03:11

Band4-10MHz-16QAM-20350-1RB#49

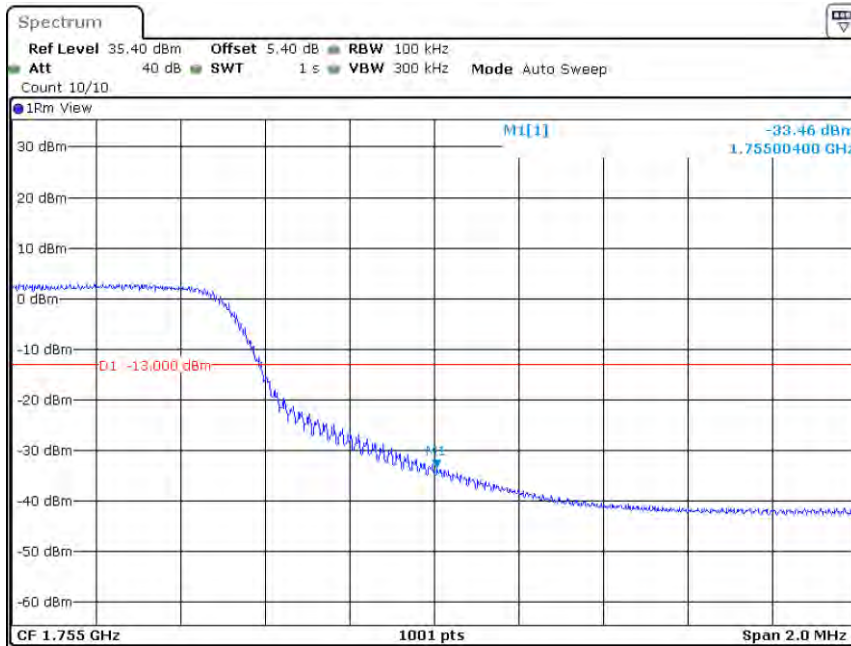


Date: 17.MAY.2021 05:03:56



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Band4-10MHz-16QAM-20350-50RB#0



Date: 17.MAY.2021 05:04:38

Band4-15MHz-QPSK-20025-1RB#0



Date: 17.MAY.2021 05:05:03



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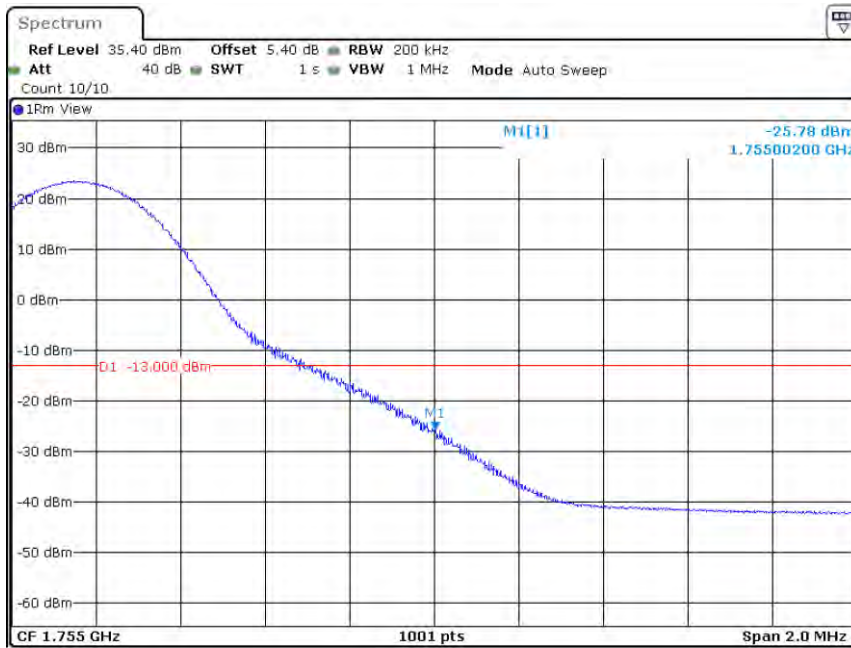


Band4-15MHz-QPSK-20025-75RB#0



Date: 17.MAY.2021 05:05:44

Band4-15MHz-QPSK-20325-1RB#74



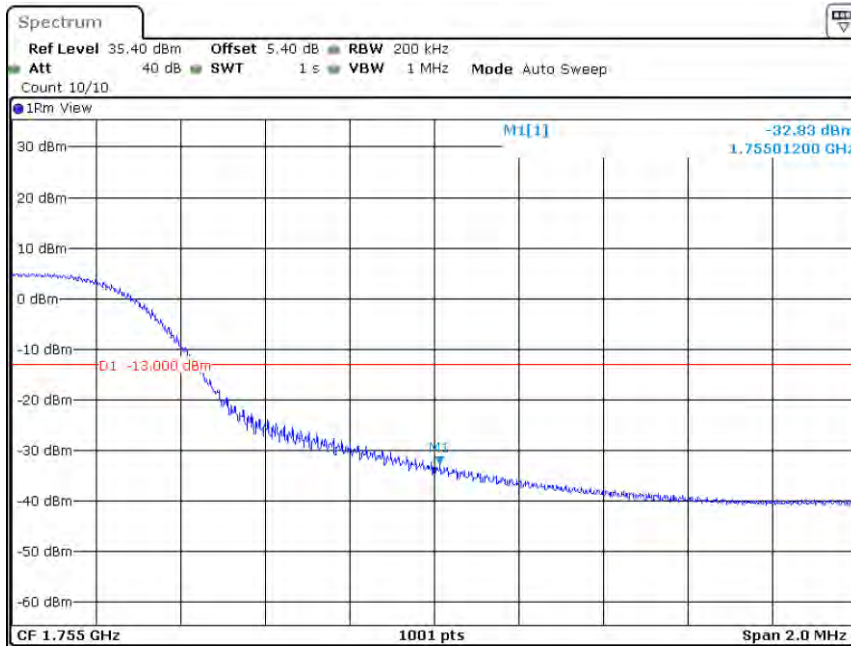
Date: 17.MAY.2021 05:06:30



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Band4-15MHz-QPSK-20325-75RB#0



Date: 17.MAY.2021 05:07:11

Band4-15MHz-16QAM-20025-1RB#0



Date: 17.MAY.2021 05:05:24



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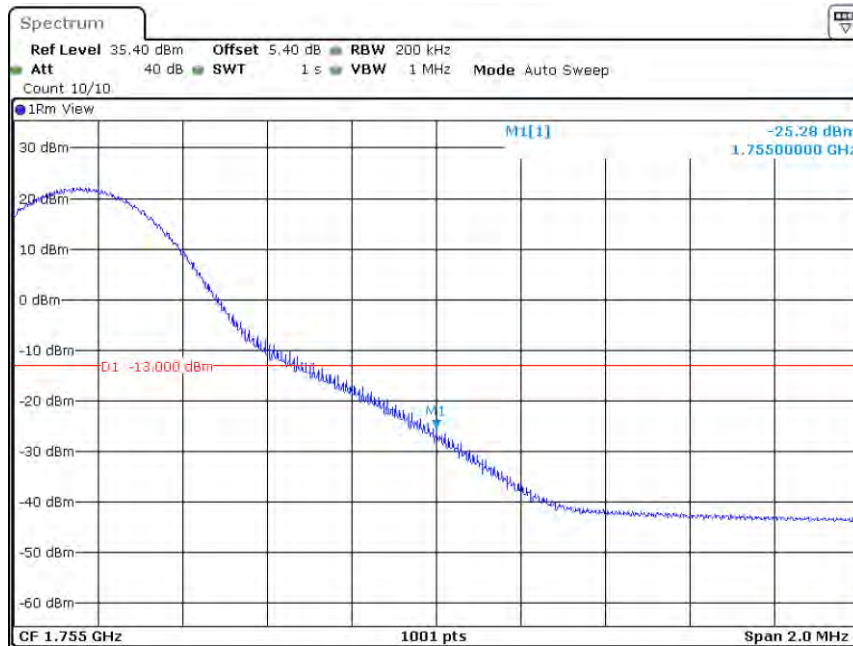
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Band4-15MHz-16QAM-20025-75RB#0



Date: 17.MAY.2021 05:06:05

Band4-15MHz-16QAM-20325-1RB#74

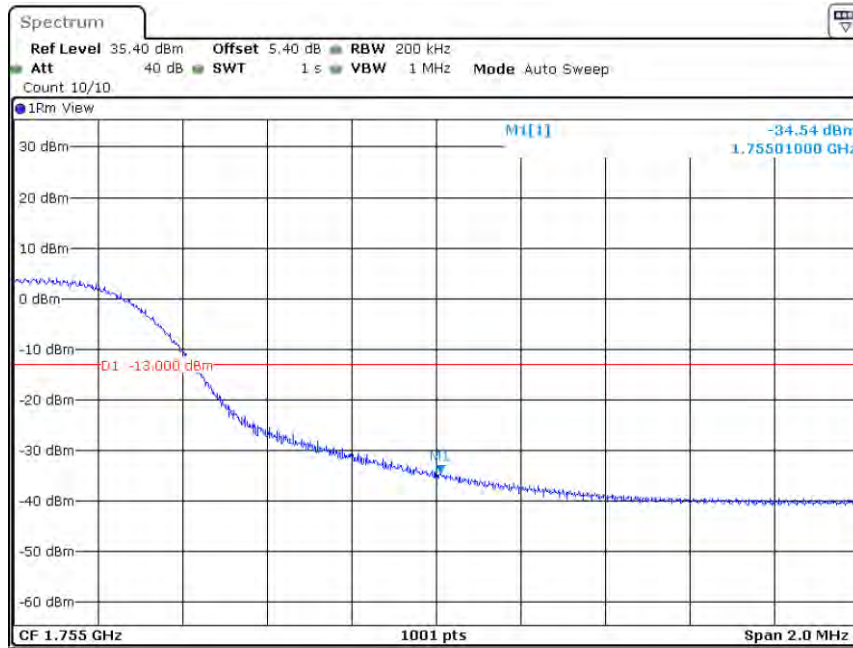


Date: 17.MAY.2021 05:06:50



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Band4-15MHz-16QAM-20325-75RB#0



Date: 17.MAY.2021 05:07:31

Band4-20MHz-QPSK-20050-1RB#0



Date: 17.MAY.2021 05:07:57



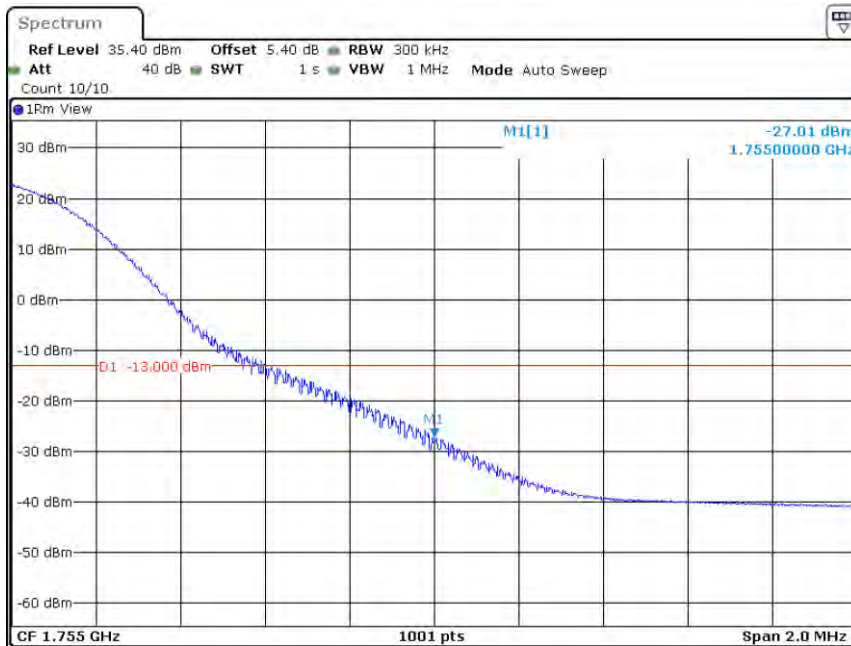
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Band4-20MHz-QPSK-20050-100RB#0



Date: 17.MAY.2021 05:08:38

Band4-20MHz-QPSK-20300-1RB#99

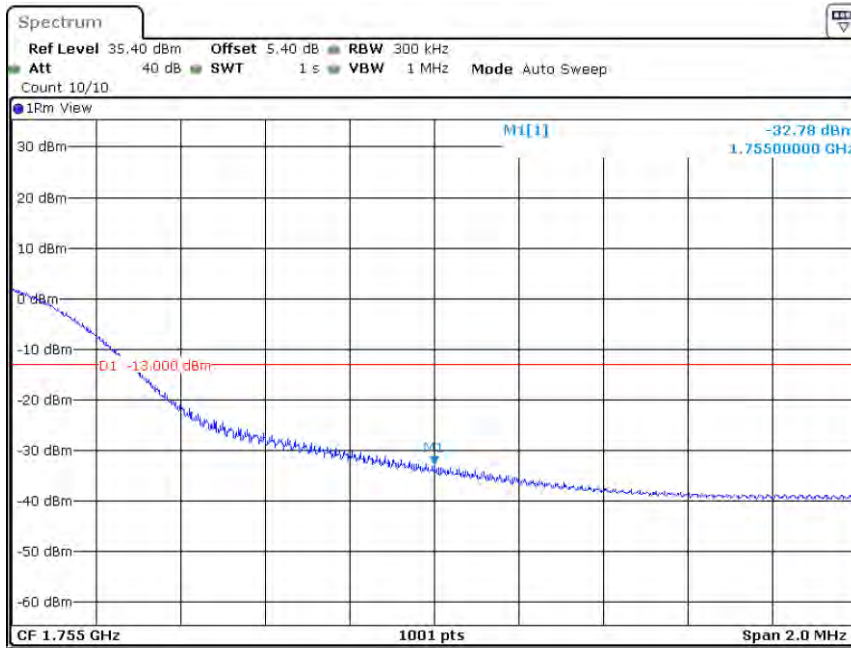


Date: 17.MAY.2021 05:09:23



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Band4-20MHz-QPSK-20300-100RB#0



Date: 17.MAY.2021 05:10:05

Band4-20MHz-16QAM-20050-1RB#0



Date: 17.MAY.2021 05:08:17



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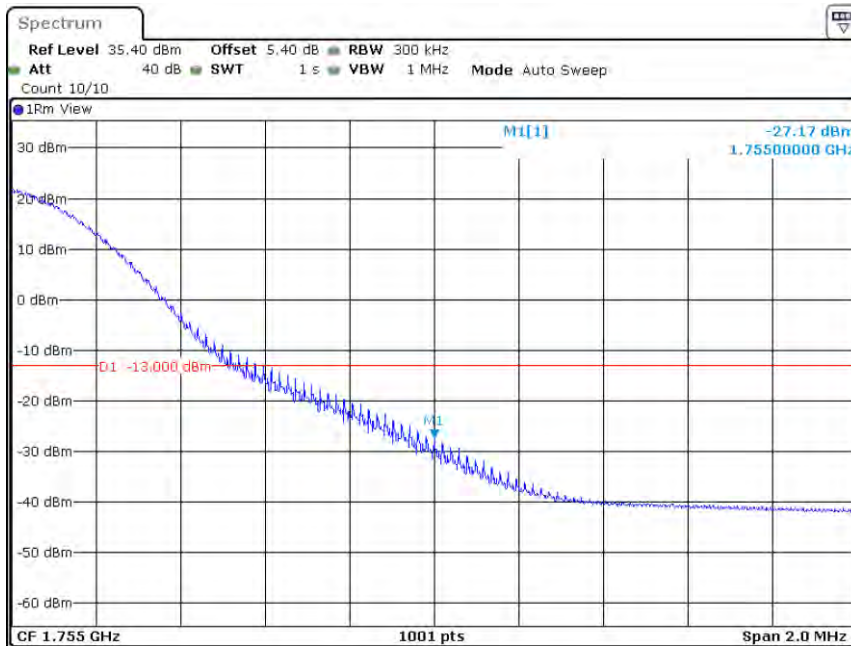
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Band4-20MHz-16QAM-20050-100RB#0



Date: 17.MAY.2021 05:08:58

Band4-20MHz-16QAM-20300-1RB#99



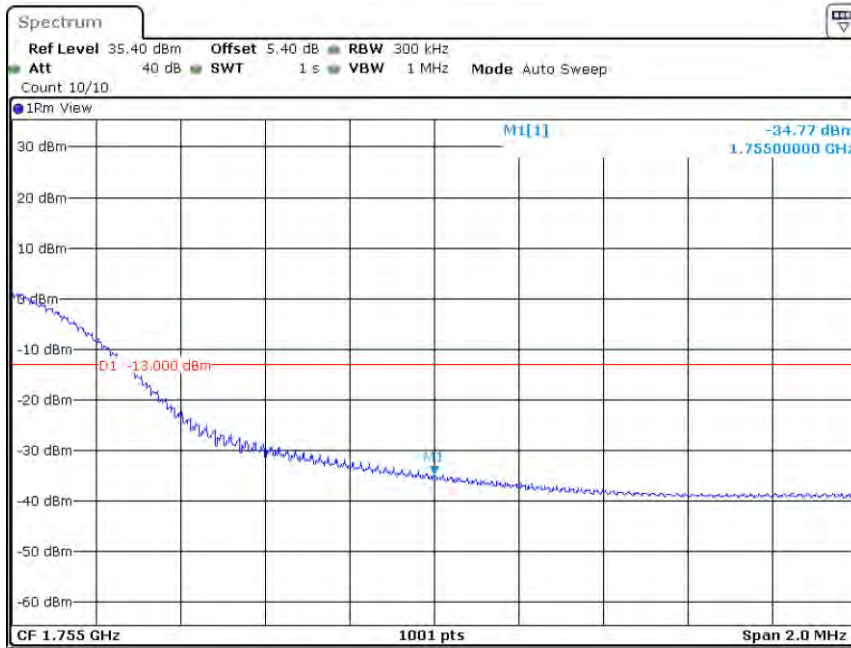
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Band4-20MHz-16QAM-20300-100RB#0



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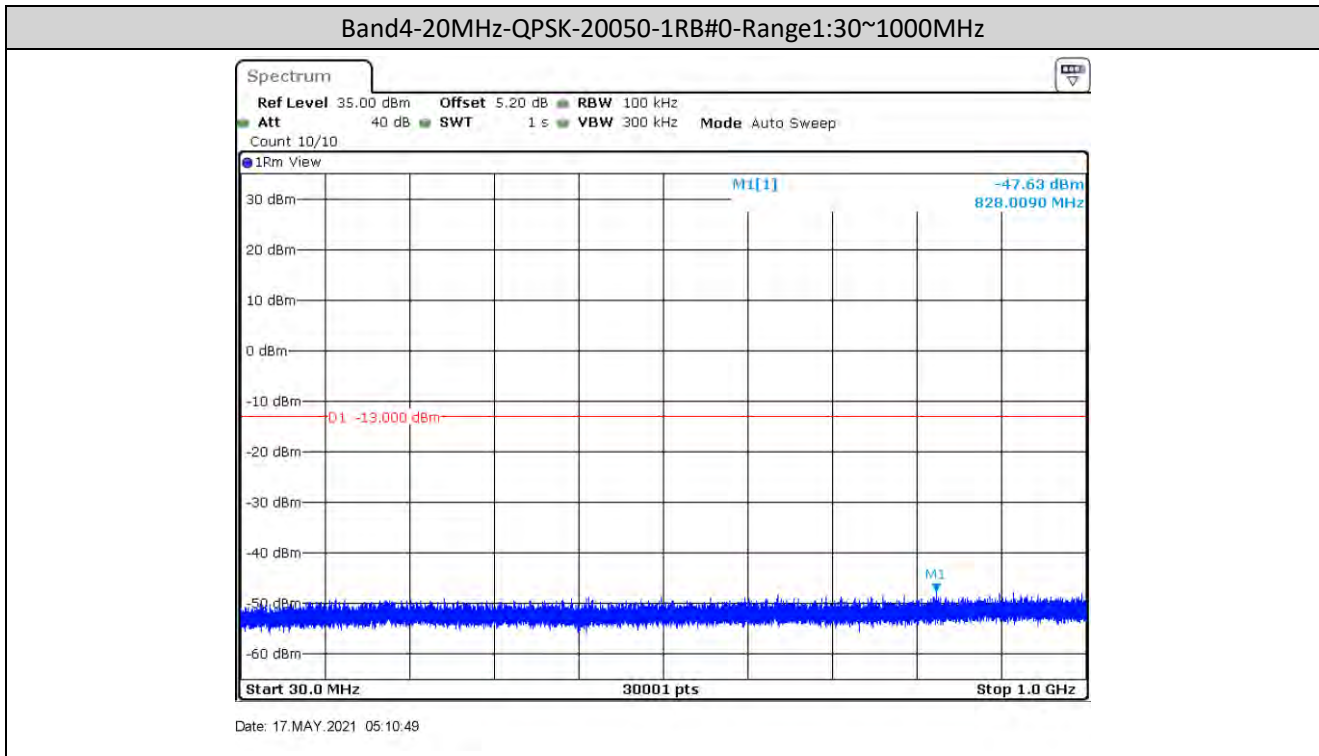
6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

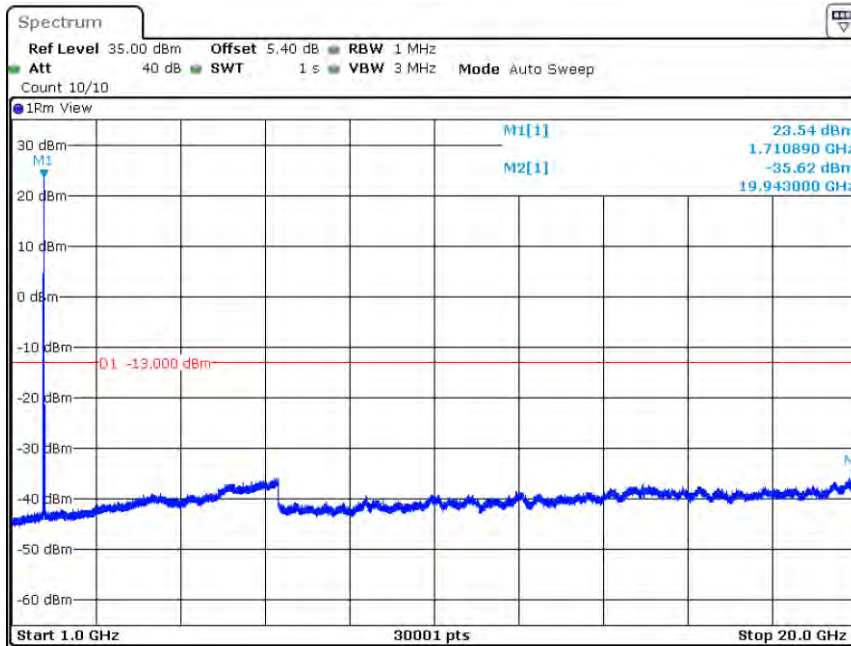
6.1. Test Plots



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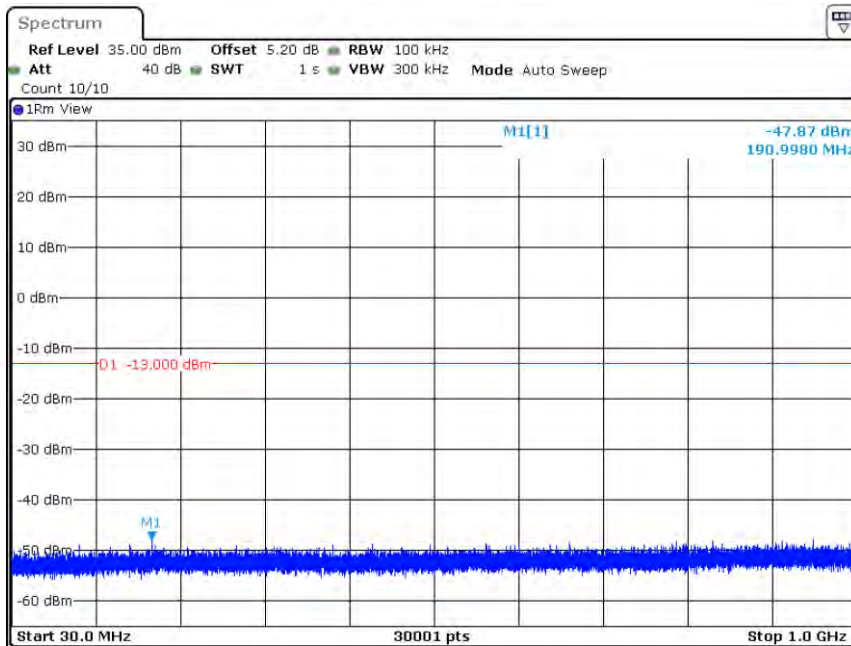
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Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:11:05

Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



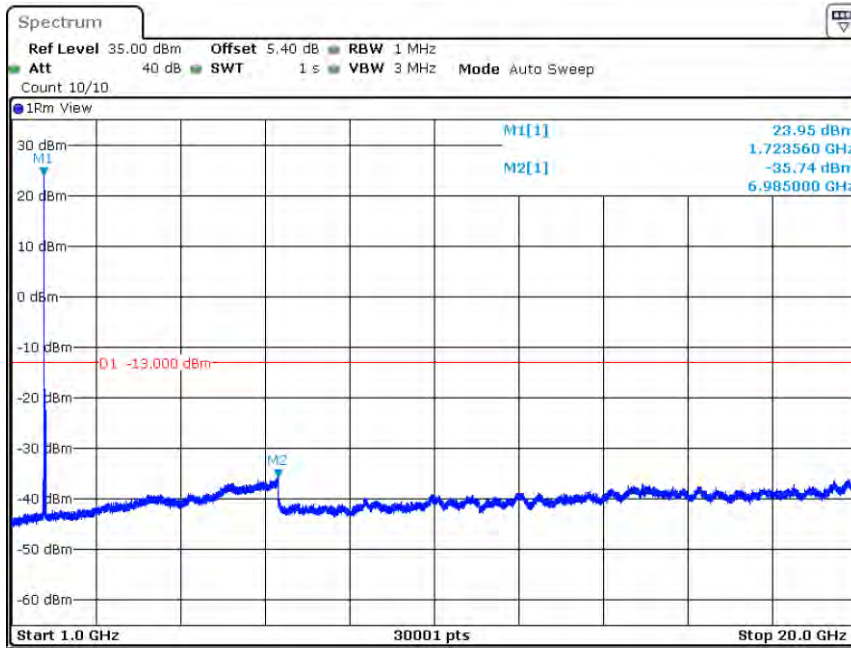
Date: 17.MAY.2021 05:11:59



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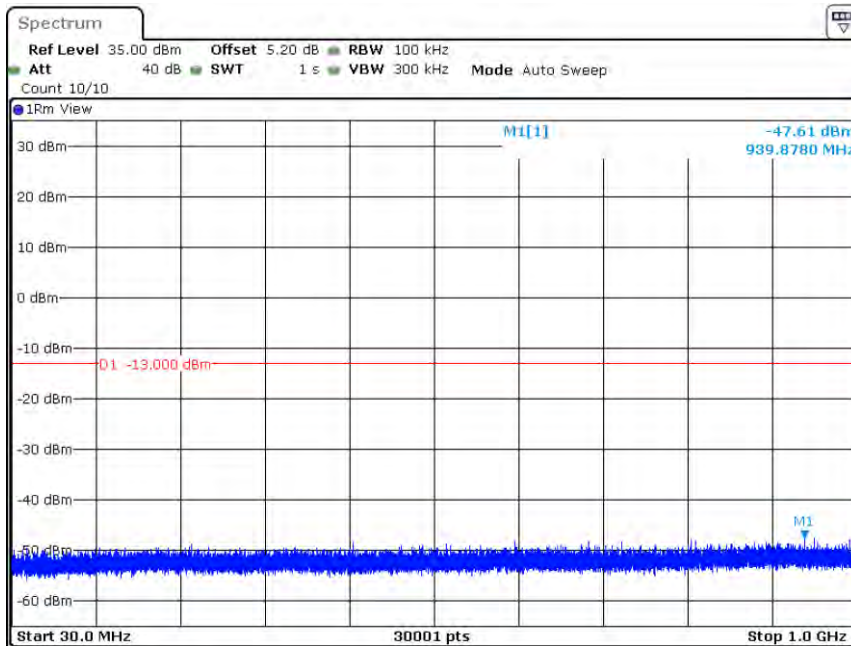
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Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:12:15

Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



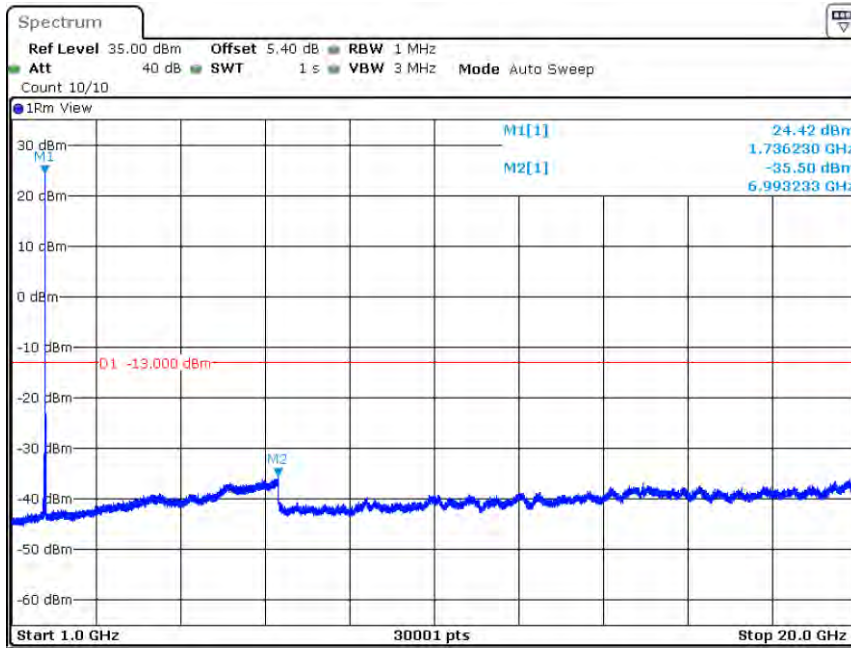
Date: 17.MAY.2021 05:13:10



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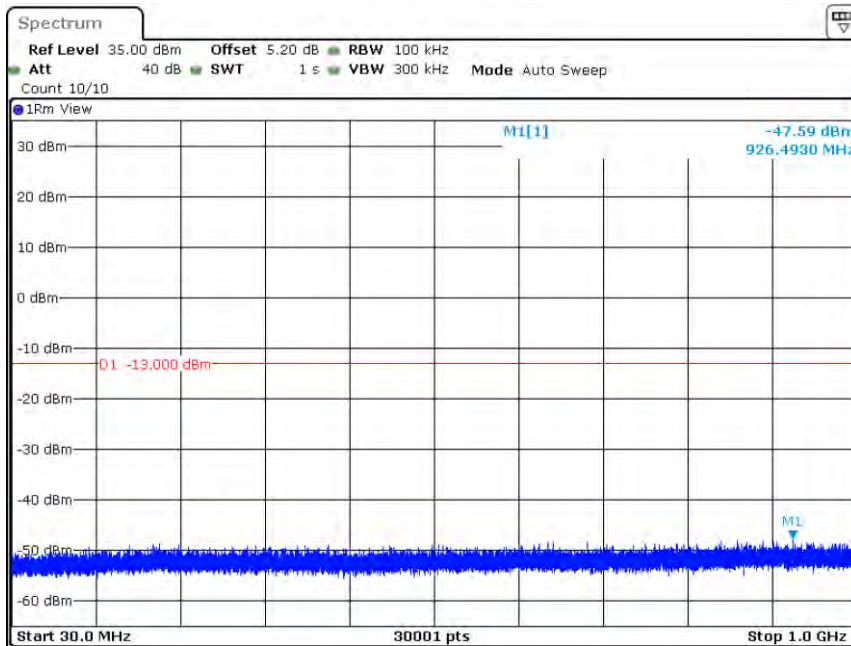
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Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:13:26

Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz

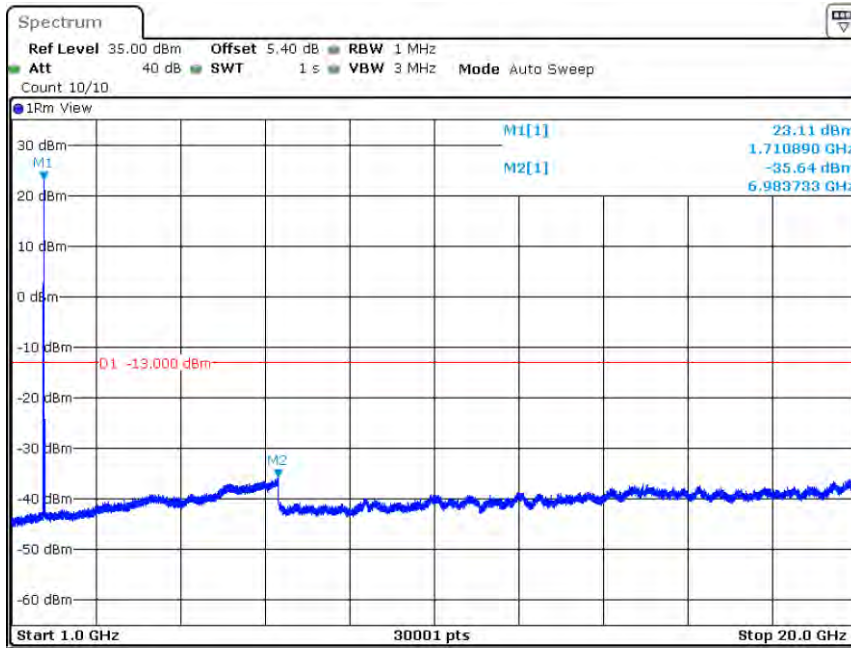


Date: 17.MAY.2021 05:11:24



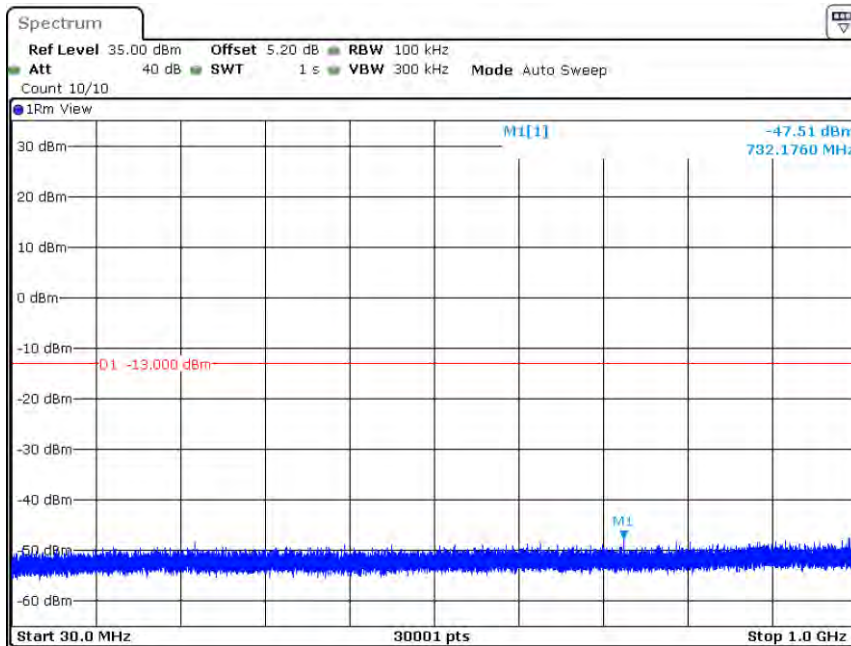
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Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:11:40

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



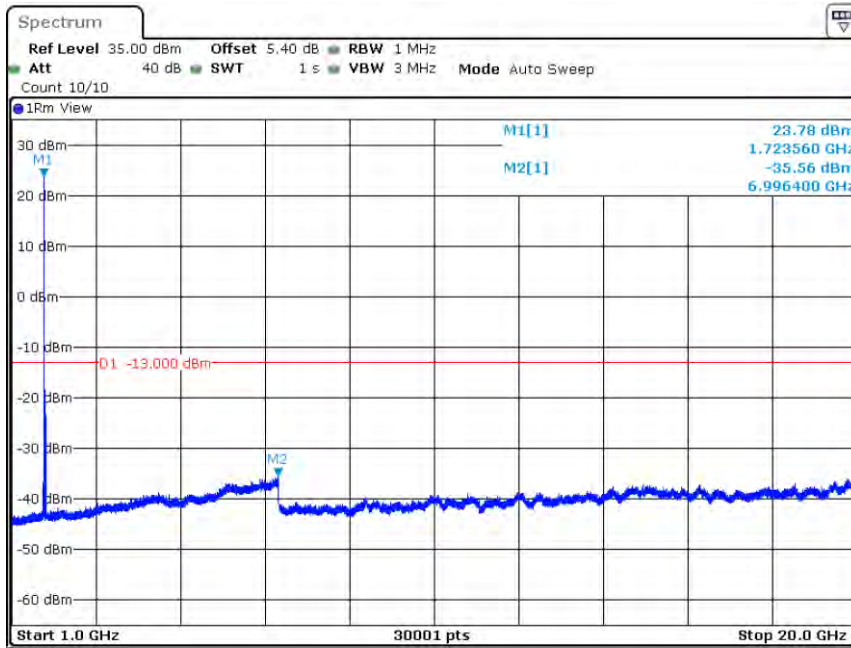
Date: 17.MAY.2021 05:12:35



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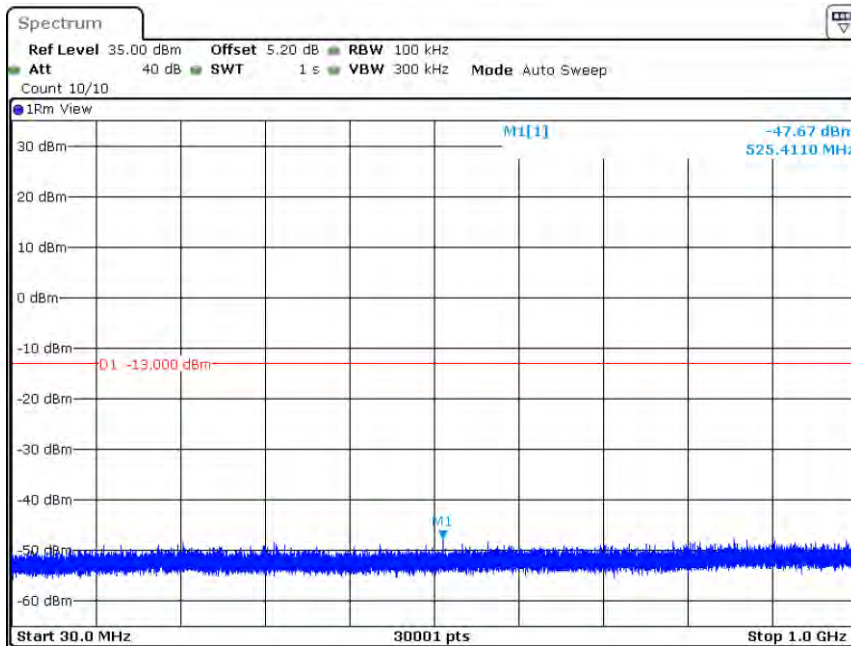
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Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:12:51

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



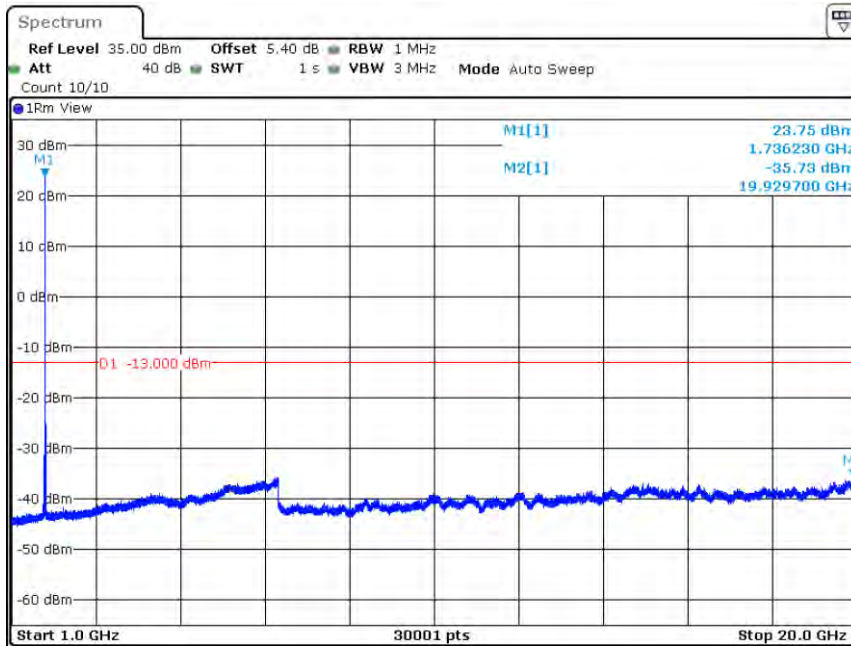
Date: 17.MAY.2021 05:13:45



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Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 17.MAY.2021 05:14:01



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7. Field Strength of Spurious Radiation

7.1. Test Band LTE_Band4

7.1.1. Test Channel = Low

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1079.5099	20.40	-49.74	-13.00	36.74	Horizontal
2	1937.3672	25.59	-43.66	-13.00	30.66	Horizontal
3	2996.7496	20.79	-43.76	-13.00	30.76	Horizontal
4	3422.2711	59.04	-56.95	-13.00	43.95	Horizontal
5	9004.8002	47.79	-51.15	-13.00	38.15	Horizontal
6	17909.995	47.66	-45.30	-13.00	32.30	Horizontal



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7.2. Test Band LTE_Band4

7.2.1. Test Channel = Low

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1025.2532	20.67	-50.22	-13.00	37.22	Vertical
2	2504.1880	21.08	-45.49	-13.00	32.49	Vertical
3	2991.4989	21.02	-43.70	-13.00	30.70	Vertical
4	3422.2711	58.30	-57.69	-13.00	44.69	Vertical
5	7451.4726	49.12	-53.31	-13.00	40.31	Vertical
6	17990.249	48.19	-45.49	-13.00	32.49	Vertical



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7.3. Test Band LTE_Band4
7.3.1. Test Channel = Middle

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1325.5407	20.97	-49.46	-13.00	36.46	Horizontal
2	1937.1171	24.50	-44.76	-13.00	31.76	Horizontal
3	2991.7490	20.91	-43.80	-13.00	30.80	Horizontal
4	3447.0224	57.09	-58.85	-13.00	45.85	Horizontal
5	7464.9732	49.06	-53.26	-13.00	40.26	Horizontal
6	17910.745	47.80	-45.16	-13.00	32.16	Horizontal



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7.4. Test Band LTE_Band4

7.4.1. Test Channel = Mid

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1168.0210	20.67	-49.60	-13.00	36.60	Vertical
2	2982.7478	20.91	-43.82	-13.00	30.82	Vertical
3	3447.0224	57.18	-58.76	-13.00	45.76	Vertical
4	7472.4736	49.05	-53.21	-13.00	40.21	Vertical
5	13359.518	46.11	-46.64	-13.00	33.64	Vertical
6	17912.245	48.18	-44.78	-13.00	31.78	Vertical



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7.5. Test Band LTE_Band4

7.5.1. Test Channel = High

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1259.7825	20.86	-49.47	-13.00	36.47	Horizontal
2	2471.1839	20.63	-46.08	-13.00	33.08	Horizontal
3	2981.2477	20.86	-43.86	-13.00	30.86	Horizontal
4	3472.5236	60.17	-55.26	-13.00	42.26	Horizontal
5	7494.2247	48.93	-53.15	-13.00	40.15	Horizontal
6	17987.999	48.21	-45.42	-13.00	32.42	Horizontal



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7.6. Test Band LTE_Band4

7.6.1. Test Channel = High

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1151.7690	20.62	-49.61	-13.00	36.61	Vertical
2	2705.7132	20.89	-44.97	-13.00	31.97	Vertical
3	3000.0000	20.73	-43.72	-13.00	30.72	Vertical
4	3472.5236	57.38	-58.05	-13.00	45.05	Vertical
5	7477.7239	49.09	-53.12	-13.00	40.12	Vertical
6	17984.249	47.99	-45.56	-13.00	32.56	Vertical

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	0.90	0.000523	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	0.20	0.000116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	1.10	0.000640	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	0.20	0.000115	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-0.70	-0.000404	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	1.00	0.000577	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-2.30	-0.001318	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	0.50	0.000291	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	2.70	0.001570	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	0.80	0.000465	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.00	-0.002292	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-2.80	-0.001605	±2.5	PASS



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8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	1.50	0.000872	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	2.20	0.001279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	1.60	0.000930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	0.40	0.000233	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	0.30	0.000174	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	0.80	0.000465	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	1.70	0.000988	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	0.20	0.000116	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	1.20	0.000693	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.80	0.000462	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.00	0.000000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-3.20	-0.001834	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-3.30	-0.001891	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-3.60	-0.002063	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-3.50	-0.002006	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-4.50	-0.002579	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-2.80	-0.001605	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-3.80	-0.002178	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	1.40	0.000814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	2.50	0.001453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	0.10	0.000058	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	0.50	0.000291	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	1.80	0.001047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	1.30	0.000756	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	2.80	0.001628	±2.5	PASS



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Band4	20MHz	16QAM	20050	100RB#0	NV	40	0.60	0.000349	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	0.80	0.000465	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-1.70	-0.000981	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-0.30	-0.000173	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	0.40	0.000231	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-0.80	-0.000462	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	0.60	0.000346	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-1.20	-0.000693	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	-0.50	-0.000289	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-0.10	-0.000058	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	0.20	0.000115	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-2.50	-0.001433	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-3.00	-0.001719	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-1.50	-0.000860	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-1.60	-0.000917	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-3.70	-0.002120	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-1.70	-0.000974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-2.70	-0.001547	±2.5	PASS



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