

Report No.: SEWA2204000008RG01

Rev.: 01

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# Appendix B.3

## LTE Band 4



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	24.63	26.1	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.7	25.17	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.26	24.73	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.28	23.75	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	24.36	25.83	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	24.84	26.31	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	24.67	26.14	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	23.76	25.23	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	24.52	25.99	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	24.51	25.98	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	24.25	25.72	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	23.28	24.75	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	23.52	24.99	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.63	24.1	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.33	23.8	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.37	22.84	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	24.26	25.73	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	23.8	25.27	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	23.8	25.27	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	22.86	24.33	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	24.18	25.65	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	23.55	25.02	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	23.32	24.79	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	22.36	23.83	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	22.36	23.83	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.69	23.16	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.32	22.79	30	PASS



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Band4	1.4MHz	64QAM	19957	6RB#0	20.39	21.86	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	23.4	24.87	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	22.93	24.4	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	22.95	24.42	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	21.97	23.44	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	23.06	24.53	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	22.62	24.09	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	22.39	23.86	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	21.38	22.85	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	20.18	21.65	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	19.68	21.15	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	19.3	20.77	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	19.4	20.87	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	20.39	21.86	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	20.48	21.95	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	20.23	21.7	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	20.25	21.72	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	20.26	21.73	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	20.23	21.7	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	24.81	26.28	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.51	24.98	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.13	24.6	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.25	23.72	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	24.63	26.1	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	24.86	26.33	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	24.77	26.24	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	23.86	25.33	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	24.41	25.88	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	24.6	26.07	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	24.35	25.82	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	23.35	24.82	30	PASS



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Band4	3MHz	16QAM	19965	1RB#0	23.4	24.87	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.52	23.99	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.26	23.73	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.29	22.76	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	24.36	25.83	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	24.01	25.48	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	23.9	25.37	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	22.89	24.36	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	24.21	25.68	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	23.54	25.01	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	23.46	24.93	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	22.4	23.87	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	22.25	23.72	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.51	22.98	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.2	22.67	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.3	21.77	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	23.31	24.78	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	23.07	24.54	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	23	24.47	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	21.95	23.42	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	23.18	24.65	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	22.63	24.1	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	22.47	23.94	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	21.45	22.92	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	19.95	21.42	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	19.57	21.04	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	19.33	20.8	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	19.37	20.84	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	20.29	21.76	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	20.49	21.96	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	20.23	21.7	30	PASS
Band4	3MHz	256QAM	20175	15RB#0	20.3	21.77	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	20.32	21.79	30	PASS



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Band4	3MHz	256QAM	20385	1RB#8	20.41	21.88	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	20.25	21.72	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	20.26	21.73	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	24.98	26.45	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.44	24.91	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.2	24.67	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.21	23.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	24.21	25.68	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	24.96	26.43	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	24.95	26.42	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	23.91	25.38	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	24.52	25.99	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	24.71	26.18	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	24.55	26.02	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	23.37	24.84	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	23.58	25.05	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.47	23.94	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.36	23.83	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.26	22.73	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	24.35	25.82	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	24.07	25.54	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	24.12	25.59	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	22.94	24.41	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	24.26	25.73	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	23.75	25.22	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	23.65	25.12	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	22.42	23.89	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	22.41	23.88	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.51	22.98	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.27	22.74	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.3	21.77	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	23.54	25.01	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	23.1	24.57	30	PASS



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Band4	5MHz	64QAM	20175	1RB#24	23.23	24.7	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	22	23.47	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	23.28	24.75	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	22.73	24.2	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	22.68	24.15	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	21.47	22.94	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	20.21	21.68	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	19.56	21.03	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	19.41	20.88	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	19.32	20.79	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	20.38	21.85	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	20.36	21.83	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	20.6	22.07	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	20.27	21.74	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	20.27	21.74	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	20.3	21.77	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	20.17	21.64	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	20.31	21.78	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	24.54	26.01	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.42	24.89	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.47	24.94	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.32	23.79	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	24.15	25.62	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	24.77	26.24	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	24.63	26.1	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	23.94	25.41	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	24.36	25.83	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	24.86	26.33	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	24.78	26.25	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	23.58	25.05	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.66	25.13	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.45	23.92	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.57	24.04	30	PASS



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Band4	10MHz	16QAM	20000	50RB#0	21.36	22.83	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	24.41	25.88	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	23.88	25.35	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	24.22	25.69	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	23	24.47	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	24.17	25.64	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	23.75	25.22	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	23.84	25.31	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	22.62	24.09	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	22.46	23.93	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.3	22.77	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.61	23.08	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.4	21.87	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	23.23	24.7	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	22.96	24.43	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	23.39	24.86	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	22.06	23.53	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	23.39	24.86	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	22.78	24.25	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	22.96	24.43	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	21.66	23.13	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	20.26	21.73	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	19.42	20.89	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	19.7	21.17	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	19.44	20.91	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	20.33	21.8	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	20.49	21.96	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	20.21	21.68	30	PASS
Band4	10MHz	256QAM	20175	50RB#0	20.39	21.86	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	20.24	21.71	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	20.41	21.88	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	20.44	21.91	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	20.42	21.89	30	PASS



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Band4	15MHz	QPSK	20025	1RB#0	24.9	26.37	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.45	24.92	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.73	25.2	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.31	23.78	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	24.41	25.88	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	24.71	26.18	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	24.93	26.4	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	23.8	25.27	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	24.63	26.1	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	24.9	26.37	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	24.61	26.08	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	23.54	25.01	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	23.6	25.07	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.43	23.9	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.74	24.21	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.37	22.84	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	24.15	25.62	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	23.76	25.23	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	24.08	25.55	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.84	24.31	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	24.09	25.56	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	23.8	25.27	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	23.6	25.07	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	22.57	24.04	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	22.33	23.8	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.41	22.88	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.83	23.3	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.42	21.89	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	22.79	24.26	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	22.84	24.31	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	23.19	24.66	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	21.89	23.36	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	23.53	25	30	PASS



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Band4	15MHz	64QAM	20325	1RB#38	22.87	24.34	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	22.65	24.12	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	21.62	23.09	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	20.12	21.59	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	19.38	20.85	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	20.01	21.48	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	19.44	20.91	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	20.34	21.81	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	20.66	22.13	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	20.69	22.16	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	20.12	21.59	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	19.9	21.37	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	20.35	21.82	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	20.1	21.57	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	20.08	21.55	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	24.92	26.39	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.52	24.99	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	24.21	25.68	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.56	24.03	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	24.41	25.88	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	24.69	26.16	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	24.8	26.27	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	23.74	25.21	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	24.16	25.63	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	24.57	26.04	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	24.69	26.16	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	23.66	25.13	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	23.49	24.96	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.52	23.99	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	23.32	24.79	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.57	23.04	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	23.94	25.41	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	23.74	25.21	30	PASS



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Band4	20MHz	16QAM	20175	1RB#99	24	25.47	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	22.76	24.23	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	24.36	25.83	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	24.15	25.62	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	23.75	25.22	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	22.71	24.18	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	22.33	23.8	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.62	23.09	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	22.38	23.85	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.62	22.09	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	22.58	24.05	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	22.91	24.38	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	23.1	24.57	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	21.82	23.29	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	23.45	24.92	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	23.05	24.52	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	22.87	24.34	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	21.8	23.27	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	19.86	21.33	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	19.48	20.95	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	20.26	21.73	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	19.66	21.13	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	20.36	21.83	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	20.32	21.79	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	20.36	21.83	30	PASS
Band4	20MHz	256QAM	20175	100RB#0	20.25	21.72	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	19.99	21.46	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	20.45	21.92	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	20.3	21.77	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	20.21	21.68	30	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.42	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.22	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.34	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.36	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.94	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.90	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.54	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.46	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	7.20	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	7.08	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	7.12	13	PASS



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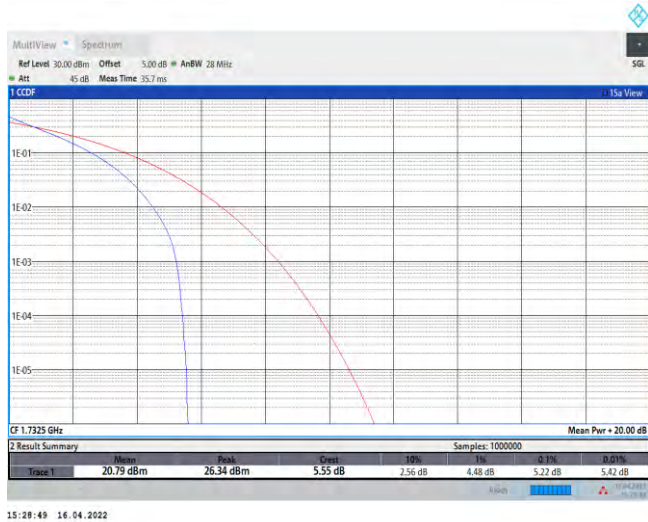


Test Graphs

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



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



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



15:29:05 16.04.2022

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

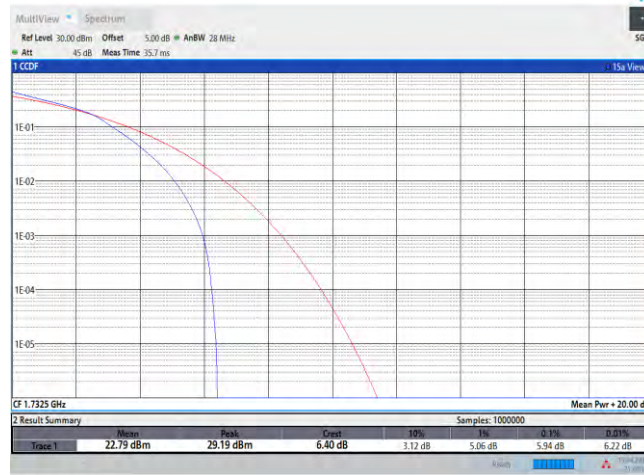


21:07:01 15.04.2022



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



21:08:08 15.04.2022

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



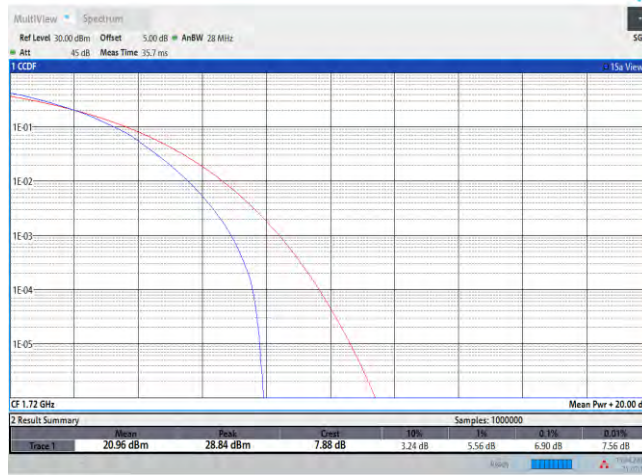
21:09:18 15.04.2022



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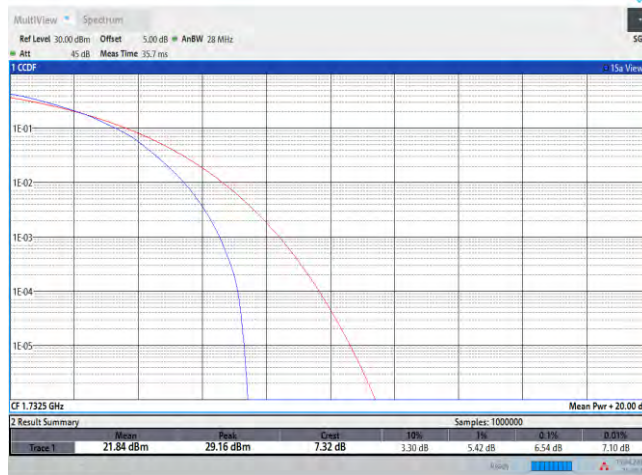
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Band4-20MHz-64QAM-20050-100RB#0



21:07:17 15.04.2022

Band4-20MHz-64QAM-20175-100RB#0



21:08:25 15.04.2022



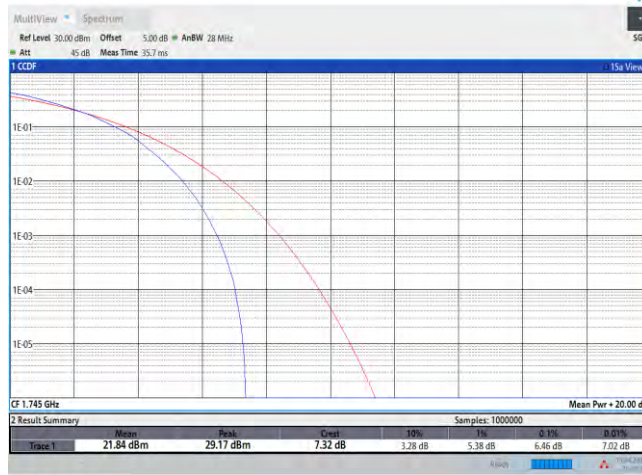
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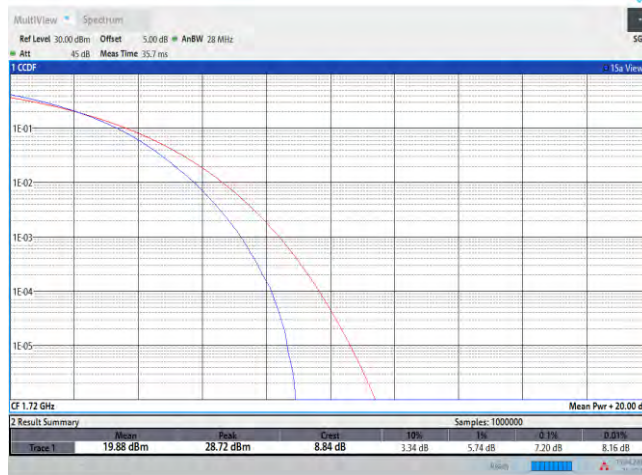


Band4-20MHz-64QAM-20300-100RB#0



21:09:35 15.04.2022

Band4-20MHz-256QAM-20050-100RB#0



21:07:33 15.04.2022



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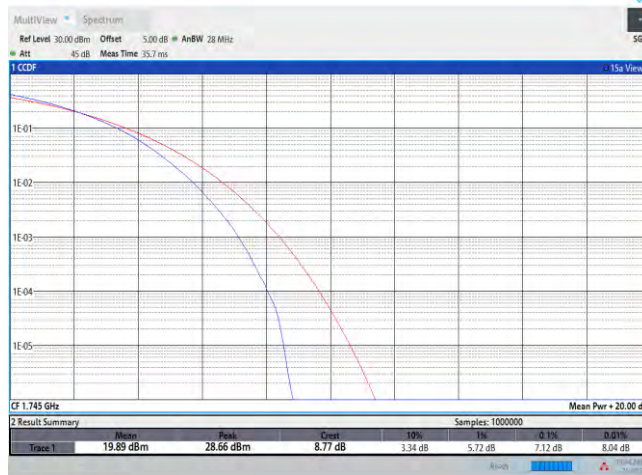


Band4-20MHz-256QAM-20175-100RB#0



21:08:41 15.04.2022

Band4-20MHz-256QAM-20300-100RB#0



21:09:51 15.04.2022



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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	64QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	256QAM	20175	100RB#0	PASS	PASS



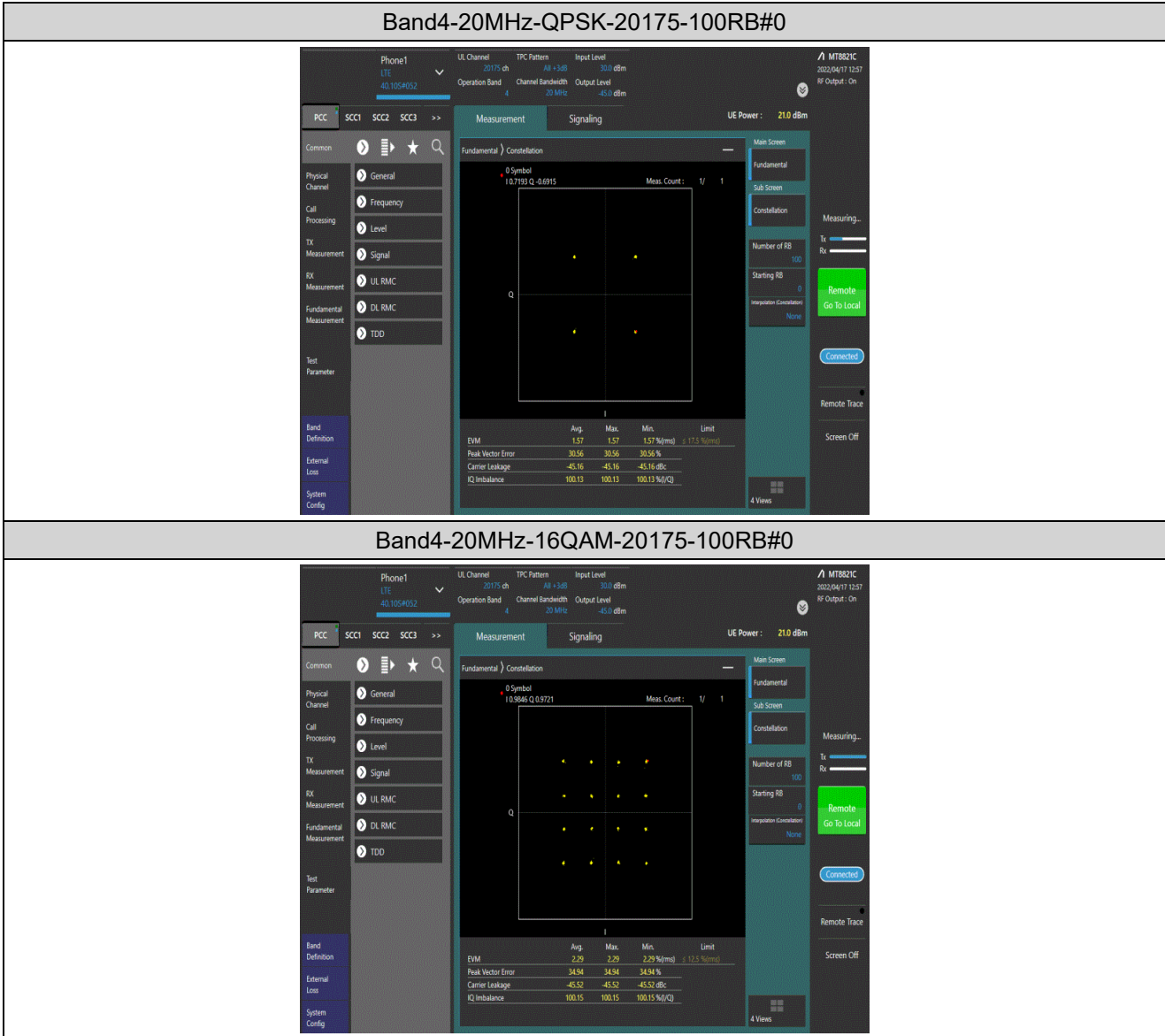
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Test Graphs



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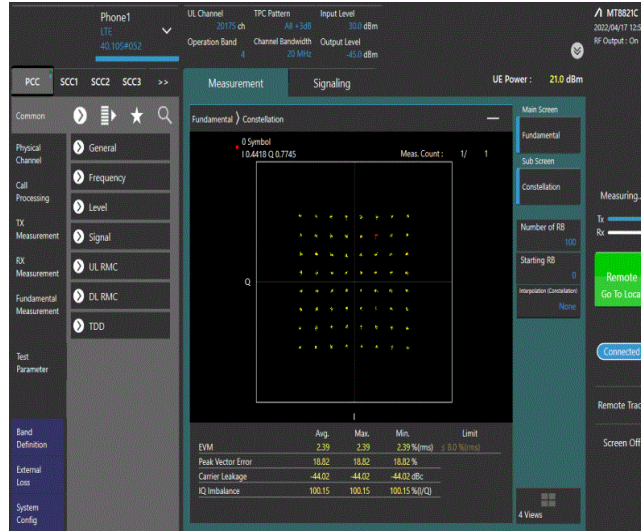
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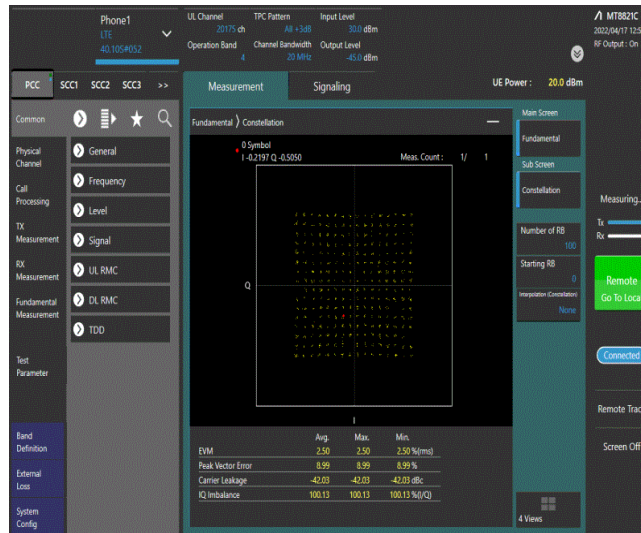
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Band4-20MHz-64QAM-20175-100RB#0



Band4-20MHz-256QAM-20175-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.108	1.37	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.108	1.37	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.105	1.37	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.109	1.44	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.107	1.40	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.110	1.39	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.109	1.38	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.109	1.40	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.109	1.42	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.108	1.42	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.105	1.39	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.106	1.41	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	3.05	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.03	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.694	3.04	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.706	3.05	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.699	3.04	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.700	3.08	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.704	3.04	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.699	3.05	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.701	3.06	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.696	3.05	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.702	3.04	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.702	3.05	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.480	5.02	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.478	5.07	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.477	5.08	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.483	5.01	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.480	5.06	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.482	5.04	PASS



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Band4	5MHz	64QAM	19975	25RB#0	4.480	5.07	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.484	5.05	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.482	5.08	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.482	5.06	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.481	5.10	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.482	5.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.967	9.92	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.940	9.82	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.939	9.92	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.963	9.88	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.966	9.90	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.959	9.92	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.948	9.92	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.953	9.88	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.958	9.82	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.949	9.90	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.943	9.88	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.959	9.94	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.513	15.12	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.483	14.94	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.500	15.09	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.510	15.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.488	14.97	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.504	15.06	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.502	15.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.494	14.97	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.499	15.12	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.501	15.00	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.471	15.03	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.512	15.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.938	19.72	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.885	19.60	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.949	19.68	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.950	19.68	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.903	19.56	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.940	19.52	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.955	19.76	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.903	19.68	PASS



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Band4	20MHz	64QAM	20300	100RB#0	17.949	19.60	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.986	19.88	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.899	19.64	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.938	19.84	PASS



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Test Graphs

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



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



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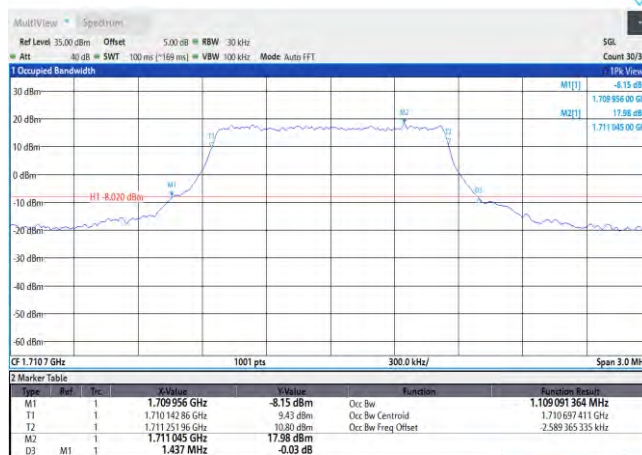


Band4-1.4MHz-QPSK-20393-6RB#0



15:21:18 16.04.2022

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



20:15:58 15.04.2022



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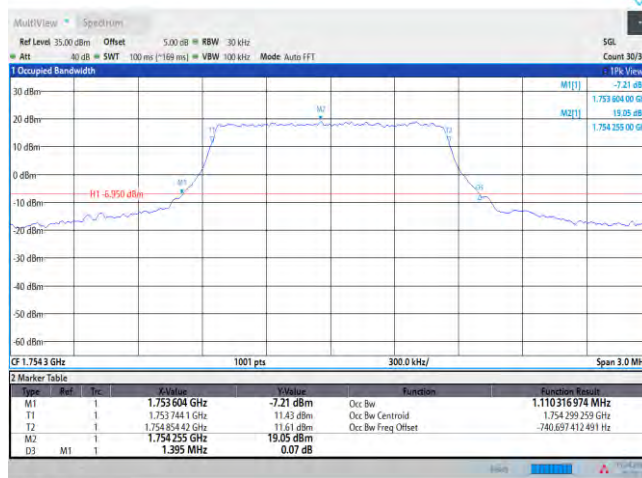
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Band4-1.4MHz-16QAM-20175-6RB#0



20:17:13 15.04.2022

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



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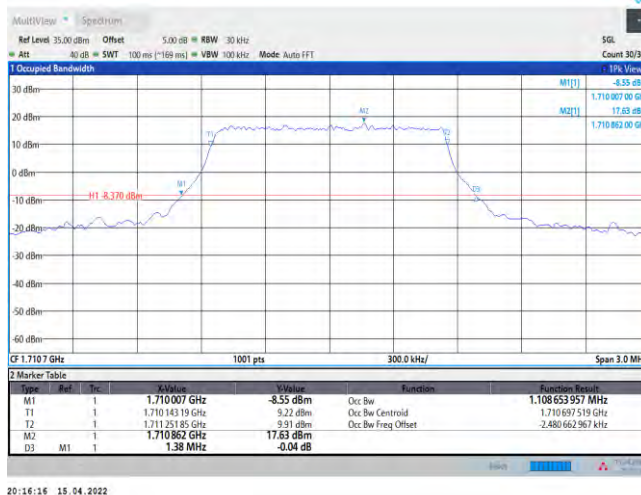


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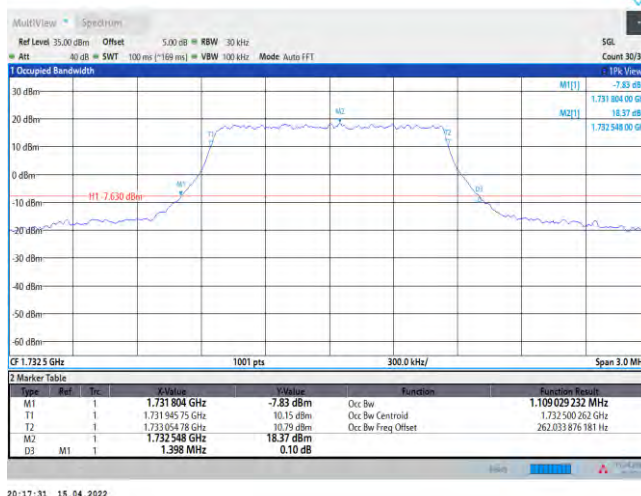
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Band4-1.4MHz-64QAM-19957-6RB#0



20:16:16 15.04.2022

Band4-1.4MHz-64QAM-20175-6RB#0



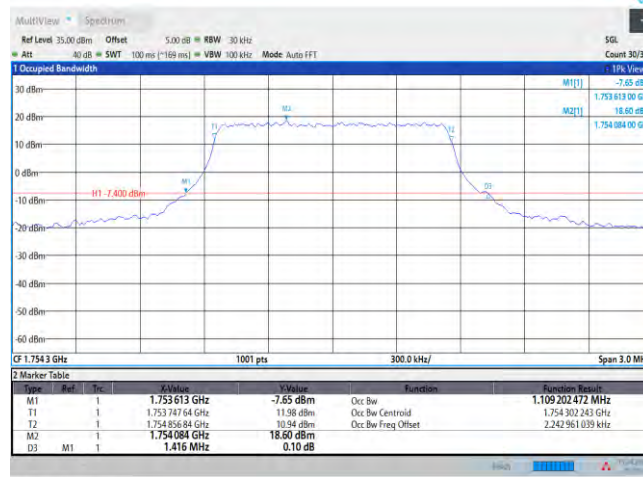
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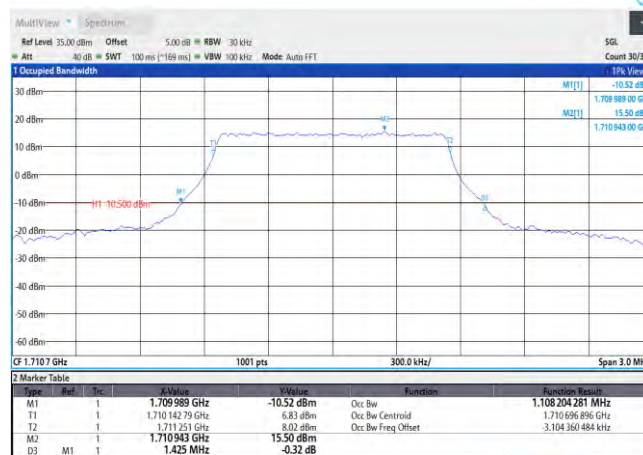


Band4-1.4MHz-64QAM-20393-6RB#0



20:18:48 15.04.2022

Band4-1.4MHz-256QAM-19957-6RB#0



20:16:34 15.04.2022



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Band4-1.4MHz-256QAM-20175-6RB#0



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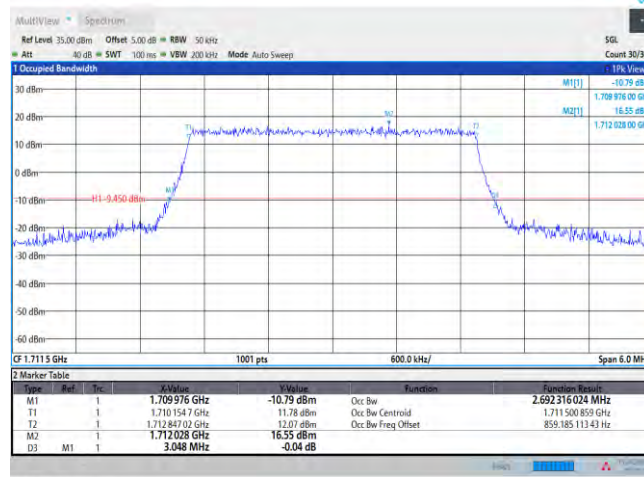


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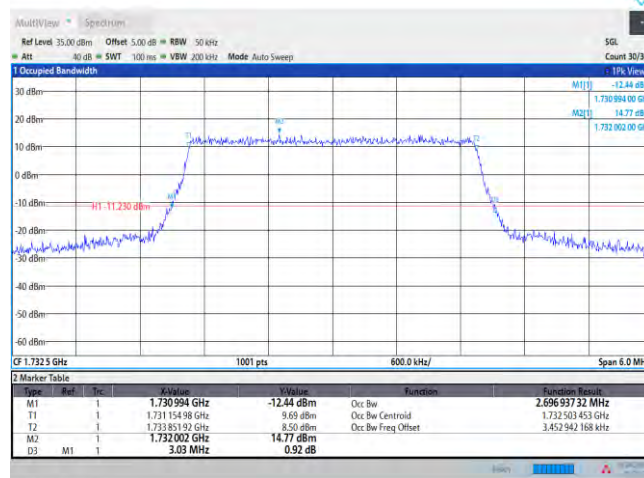
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Band4-3MHz-QPSK-19965-15RB#0



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



15:21:51 16.04.2022



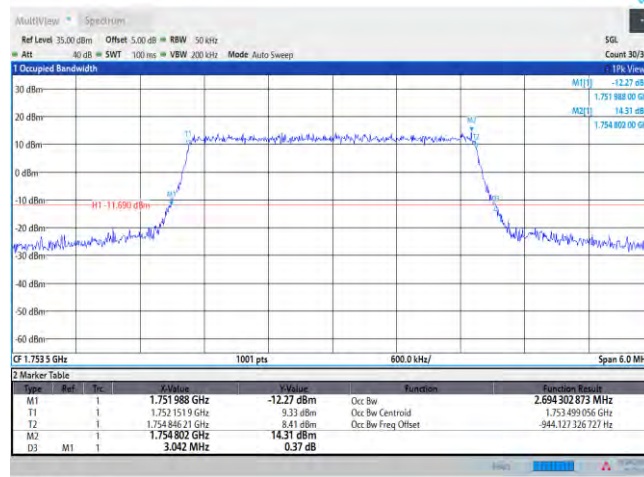
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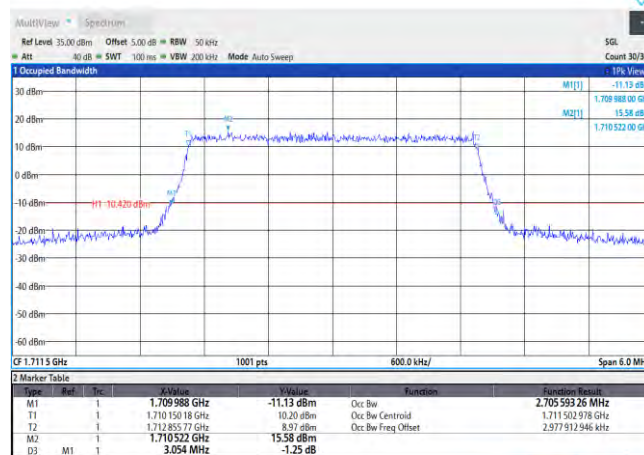


Band4-3MHz-QPSK-20385-15RB#0



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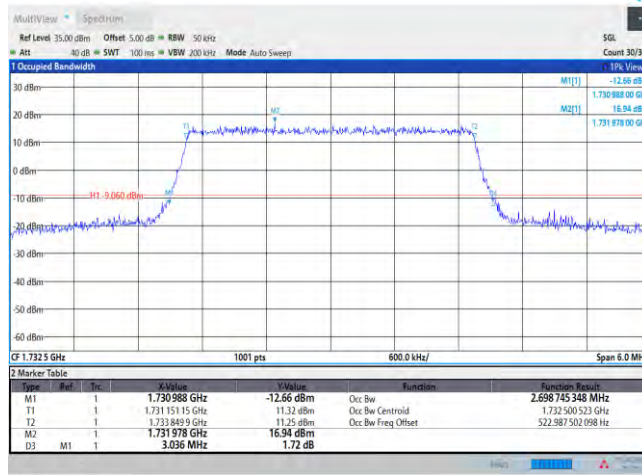


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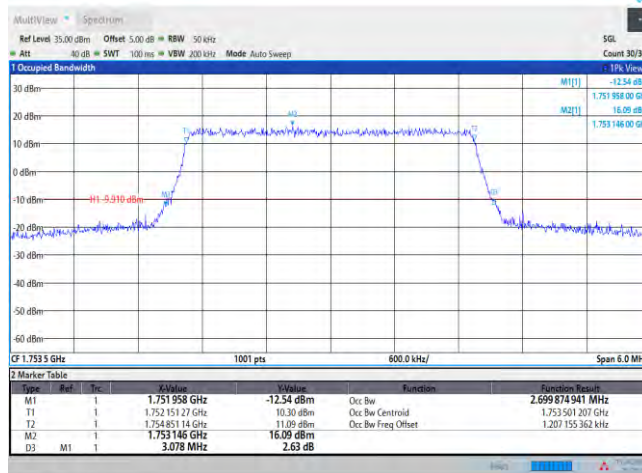
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20:21:13 15.04.2022

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



20:22:30 15.04.2022



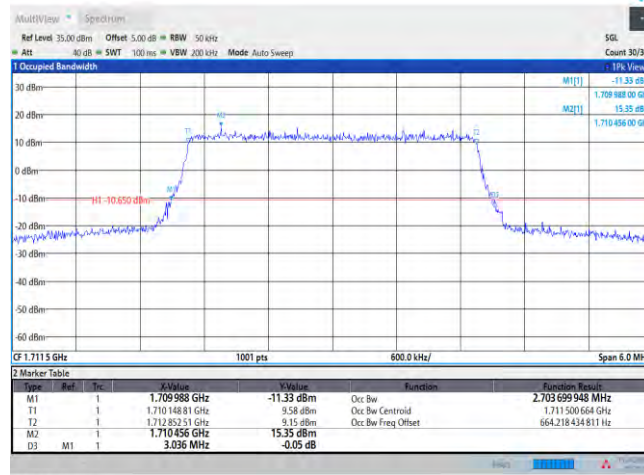
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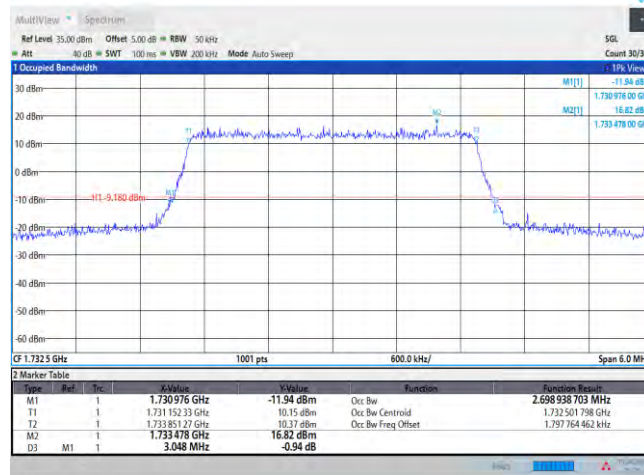
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20:20:16 15.04.2022

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20:21:31 15.04.2022



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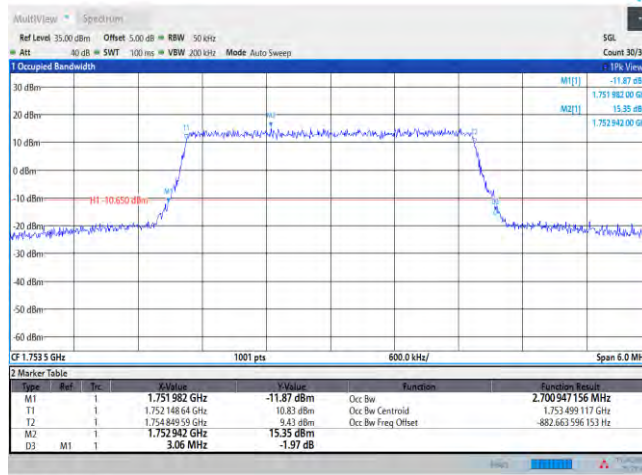
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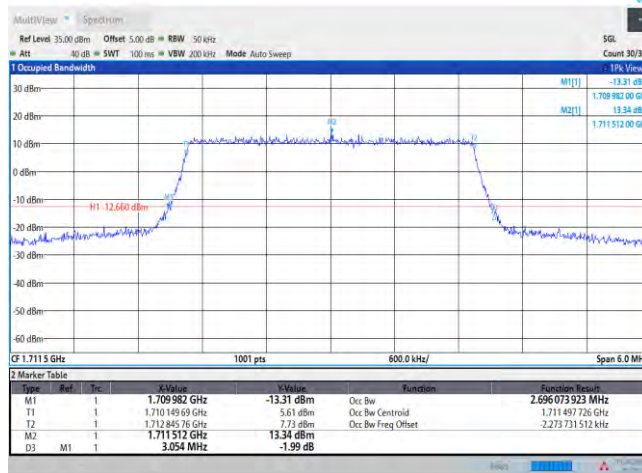


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Band4-3MHz-256QAM-19965-15RB#0



20:20:34 15.04.2022



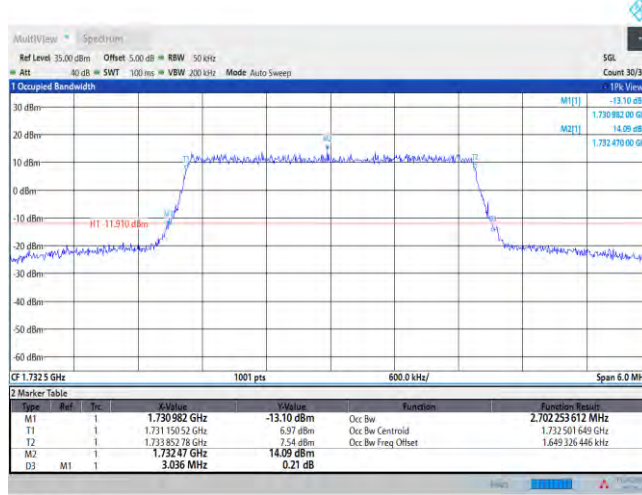
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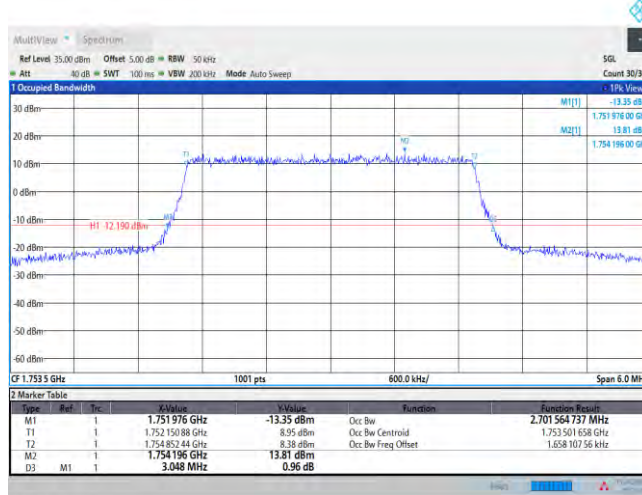
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Band4-3MHz-256QAM-20385-15RB#0



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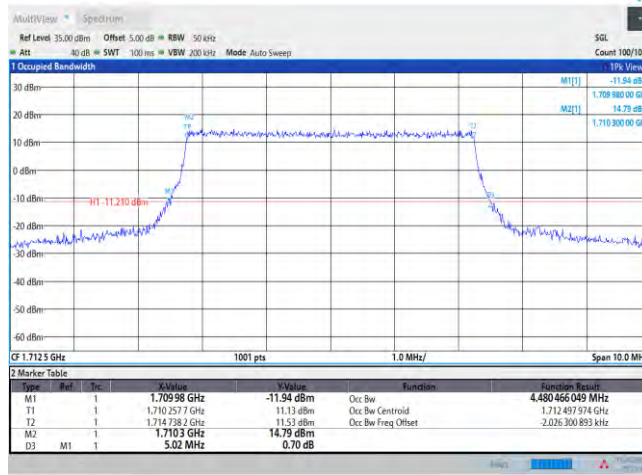


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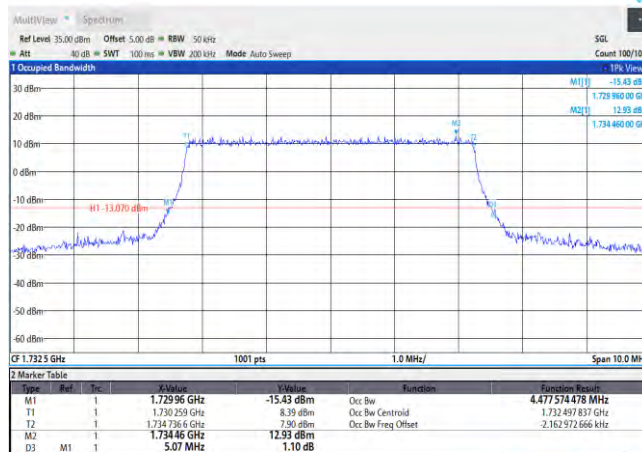
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Band4-5MHz-QPSK-19975-25RB#0



20:23:46 15.04.2022

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



15:22:49 16.04.2022



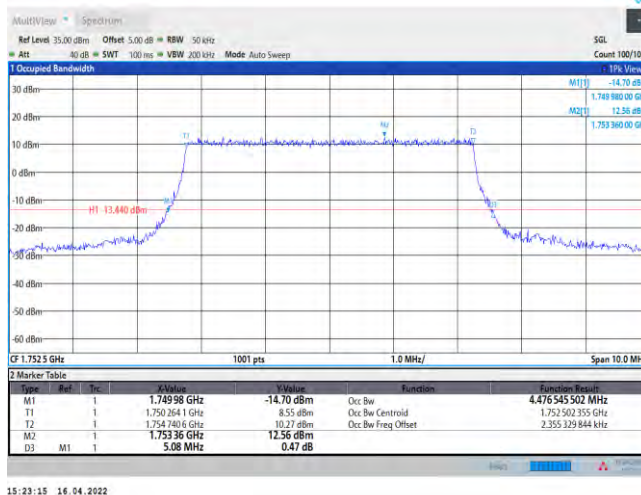
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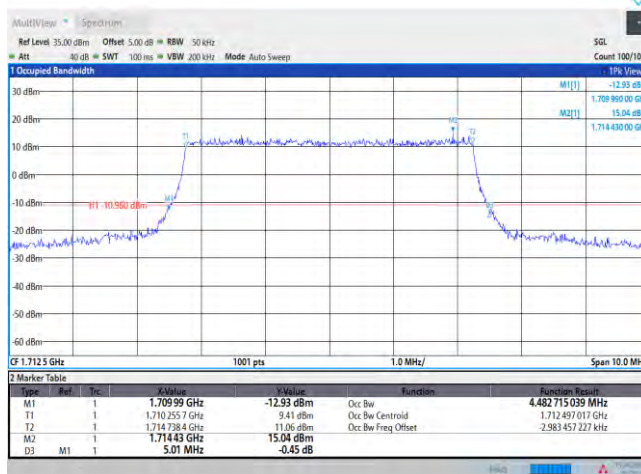


Band4-5MHz-QPSK-20375-25RB#0



15:23:15 16.04.2022

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



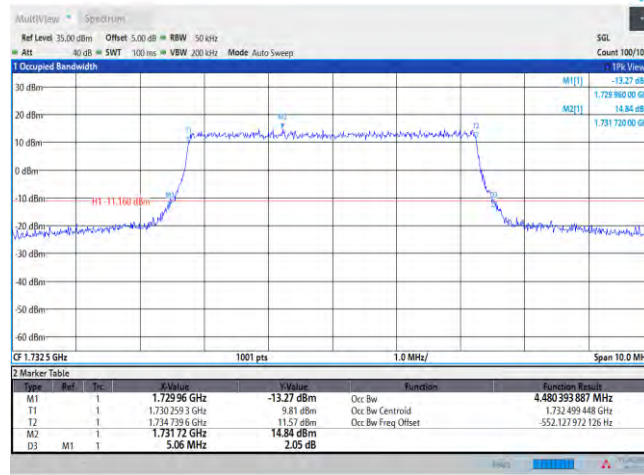
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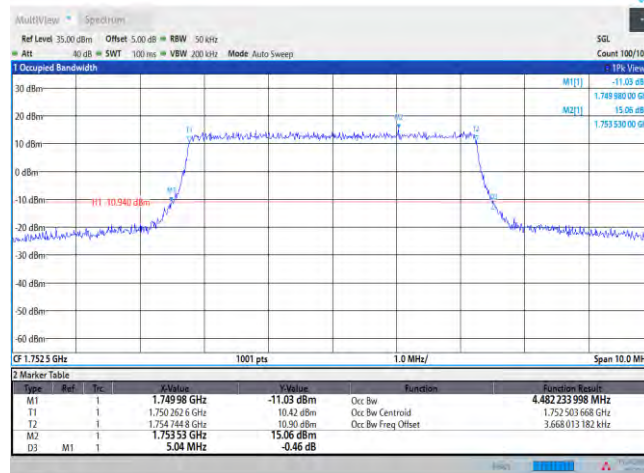
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Band4-5MHz-16QAM-20175-25RB#0



20:25:55 15.04.2022

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



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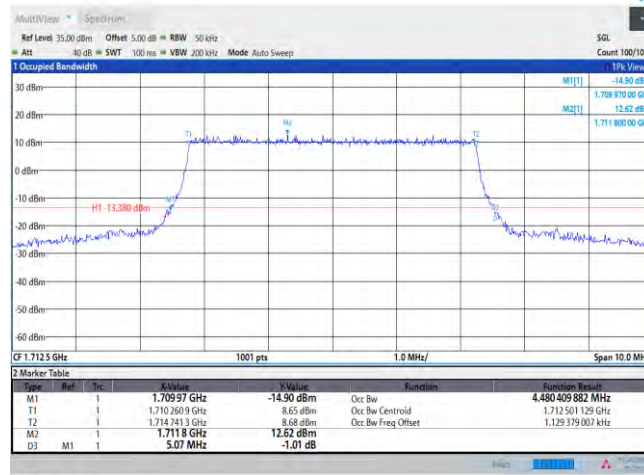


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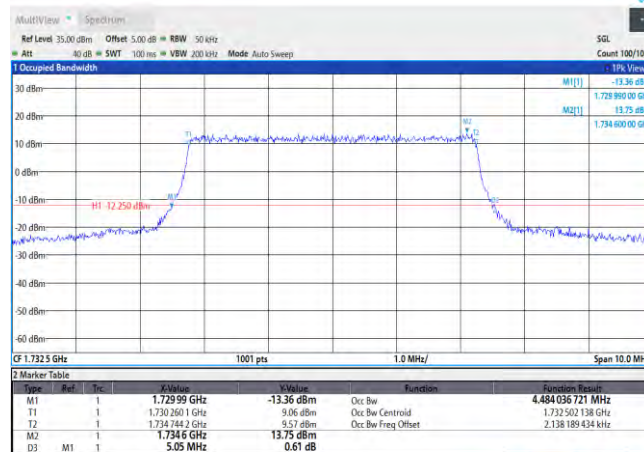
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Band4-5MHz-64QAM-19975-25RB#0



20:24:37 15.04.2022

Band4-5MHz-64QAM-20175-25RB#0



20:26:20 15.04.2022



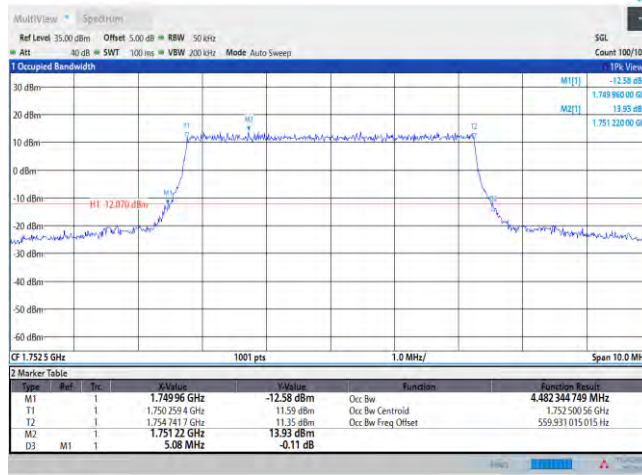
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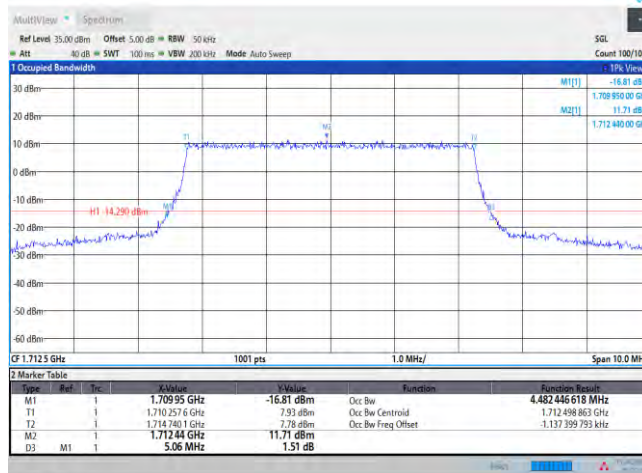


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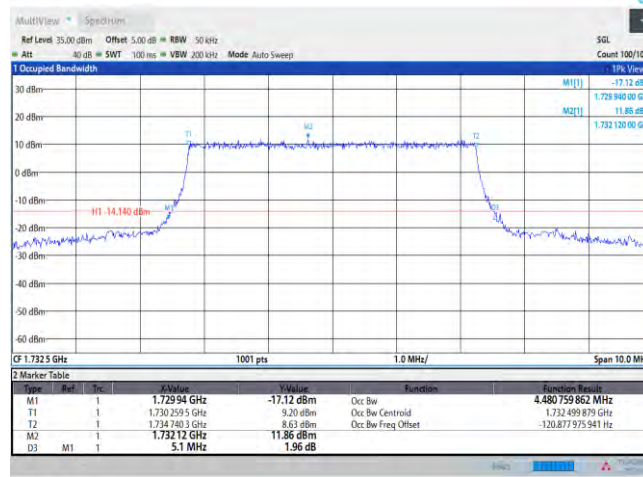


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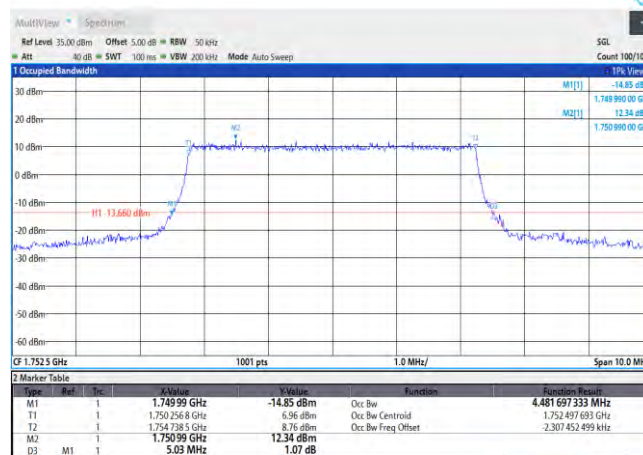
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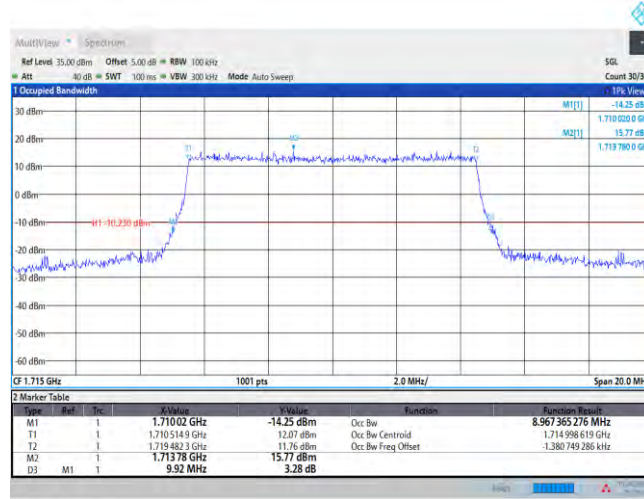


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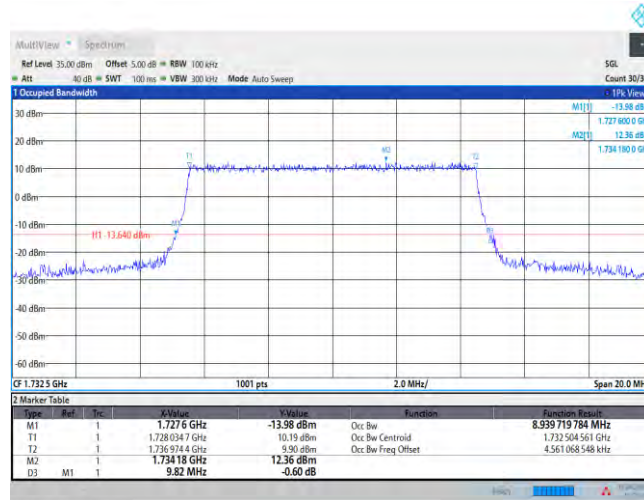
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Band4-10MHz-QPSK-20175-50RB#0



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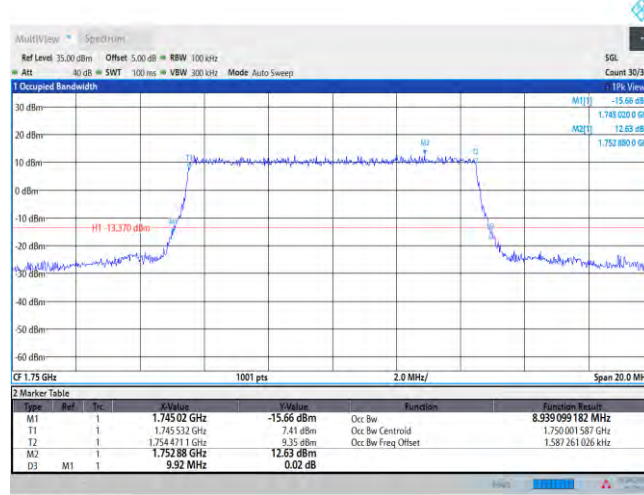
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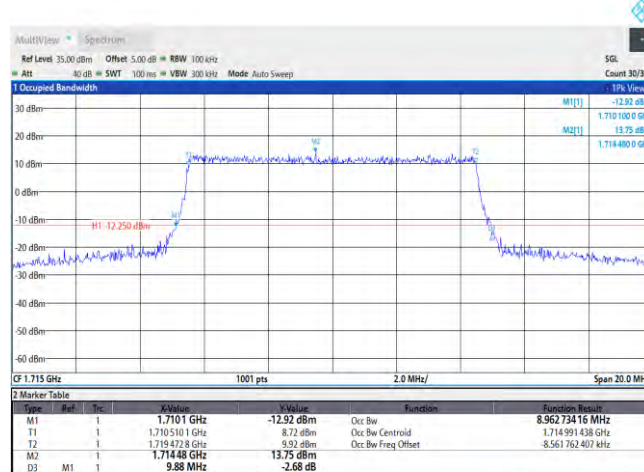


Band4-10MHz-QPSK-20350-50RB#0



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20:29:22 15.04.2022



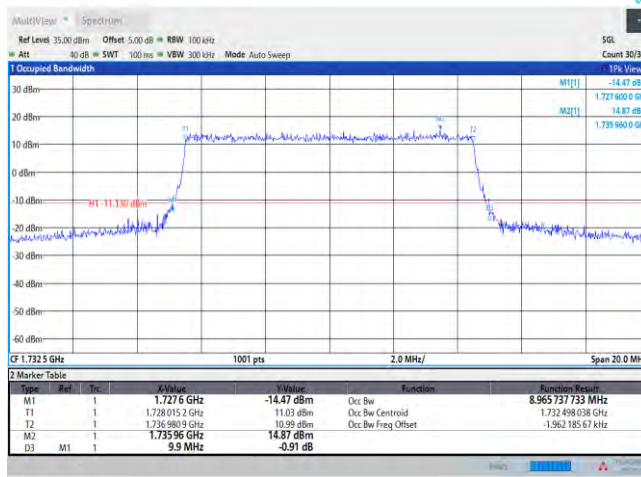
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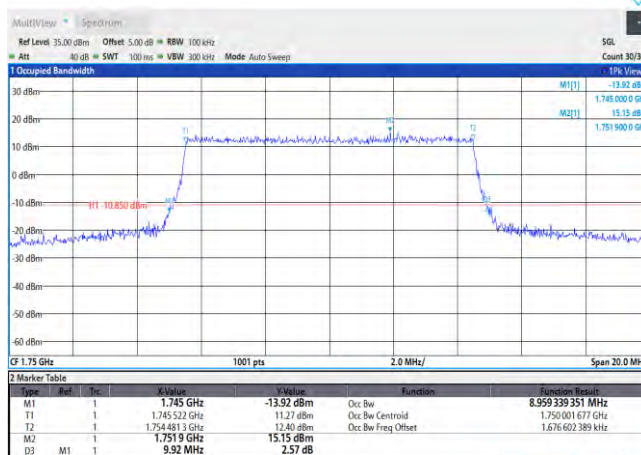
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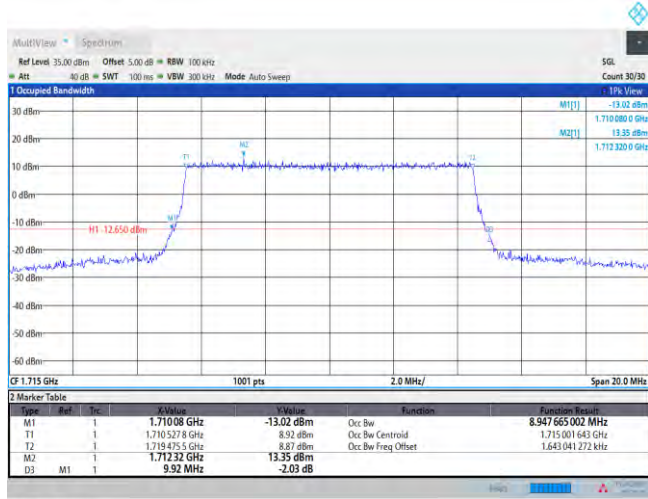


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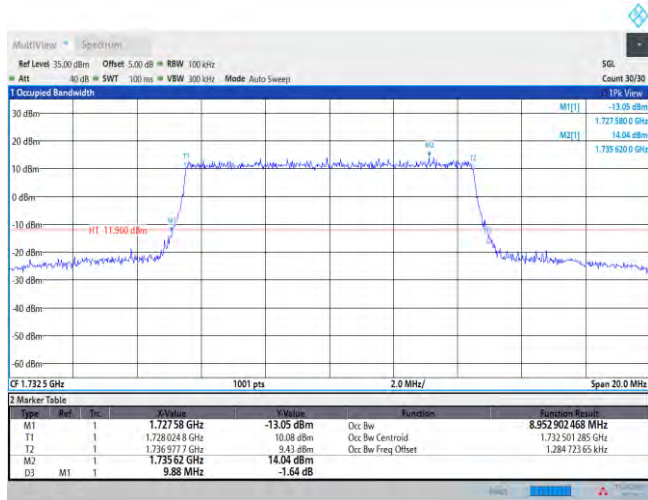
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Band4-10MHz-64QAM-20000-50RB#0



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Band4-10MHz-64QAM-20175-50RB#0



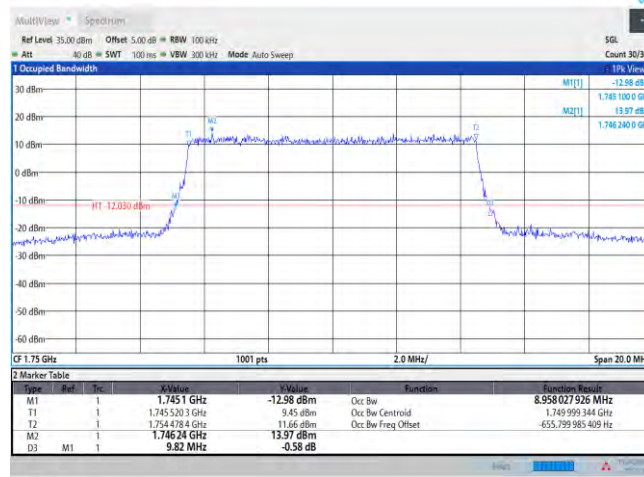
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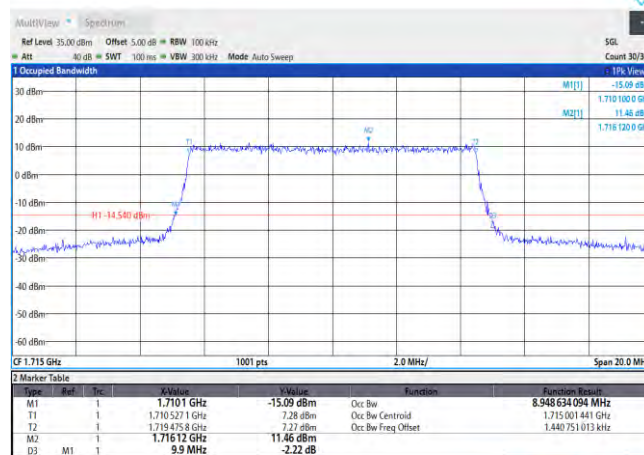


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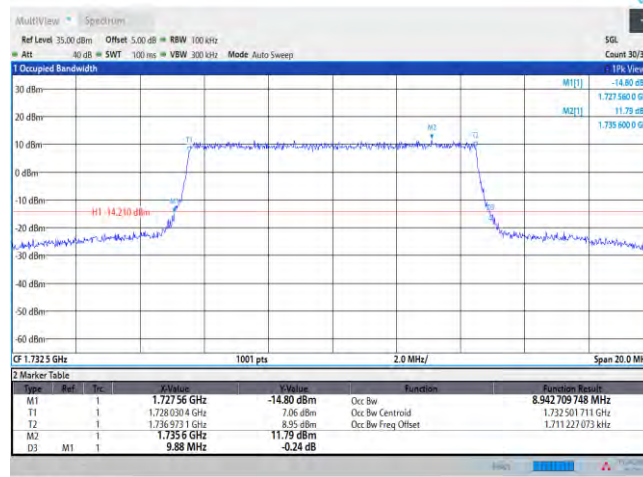
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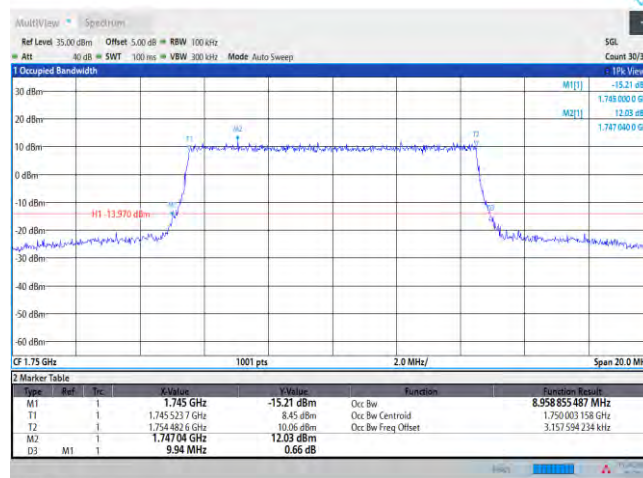
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Band4-10MHz-256QAM-20175-50RB#0



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Band4-10MHz-256QAM-20350-50RB#0



20:32:30 15.04.2022



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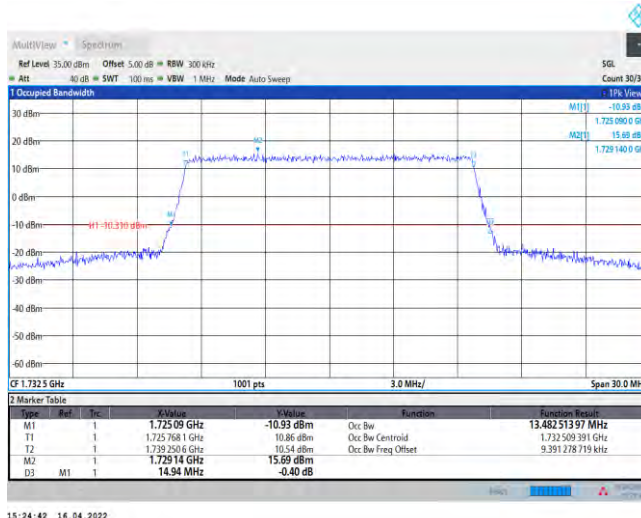
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Band4-15MHz-QPSK-20025-75RB#0



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



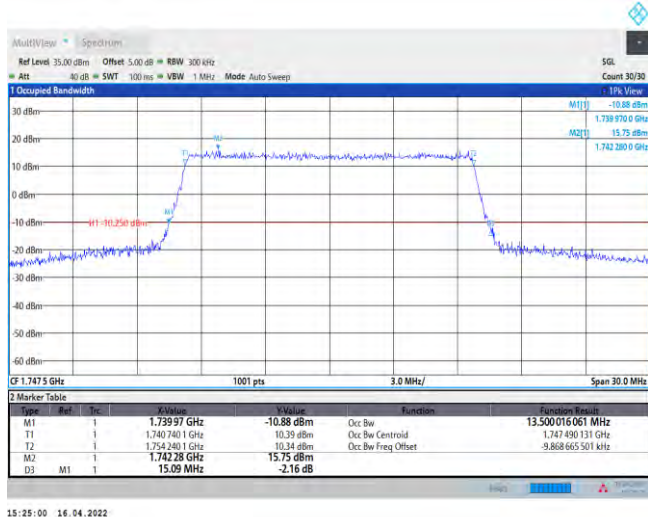
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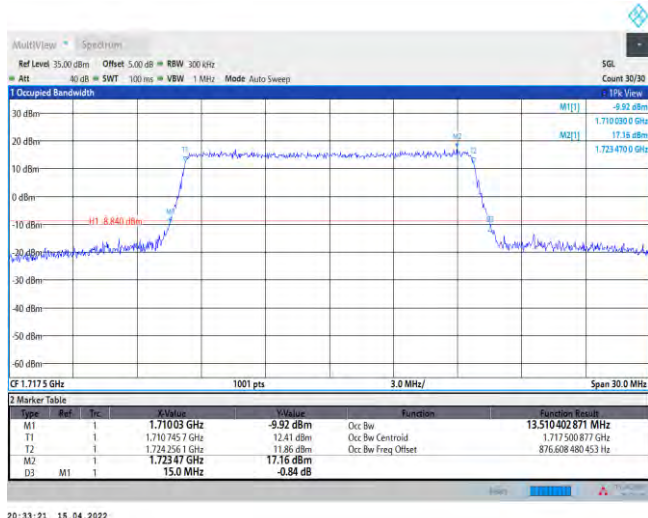
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Band4-15MHz-QPSK-20325-75RB#0



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

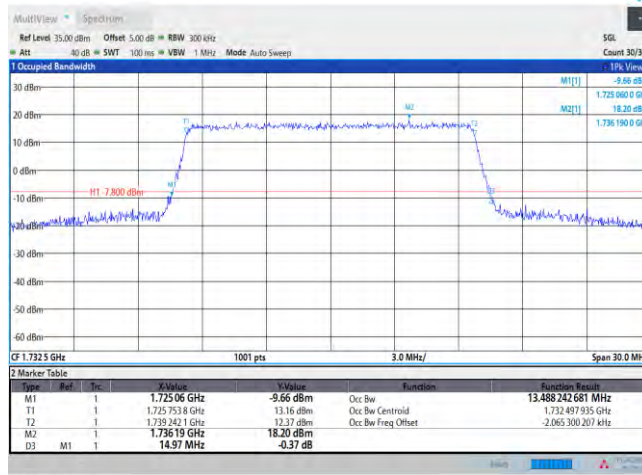


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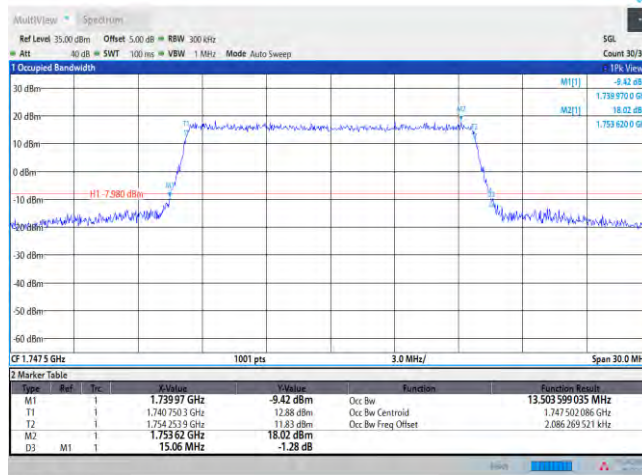
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Band4-15MHz-16QAM-20175-75RB#0



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Band4-15MHz-64QAM-20025-75RB#0



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Band4-15MHz-64QAM-20175-75RB#0



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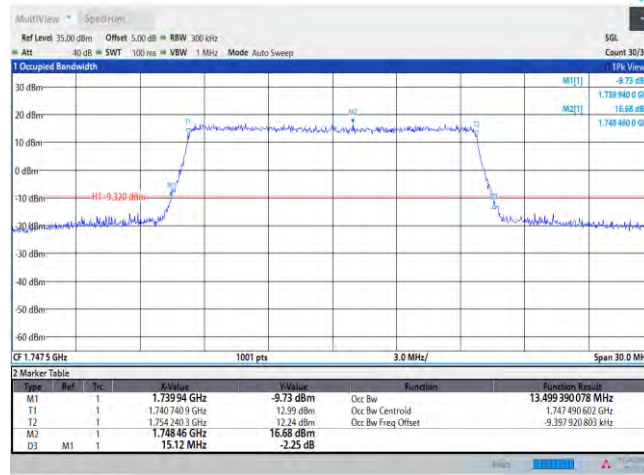
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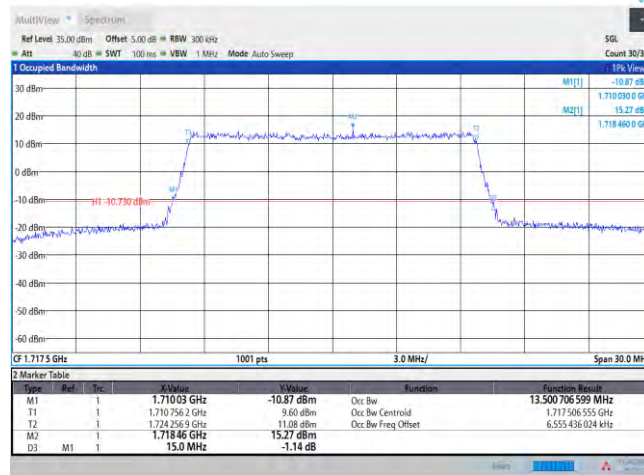


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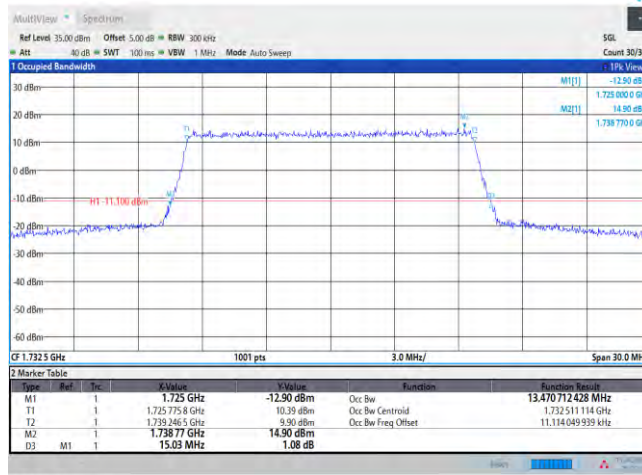


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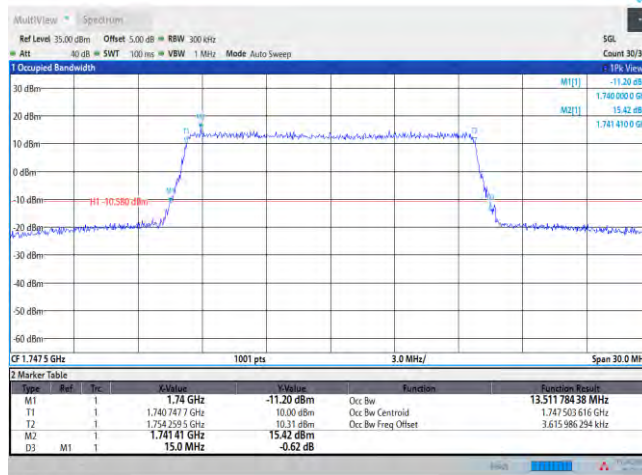
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Band4-15MHz-256QAM-20325-75RB#0



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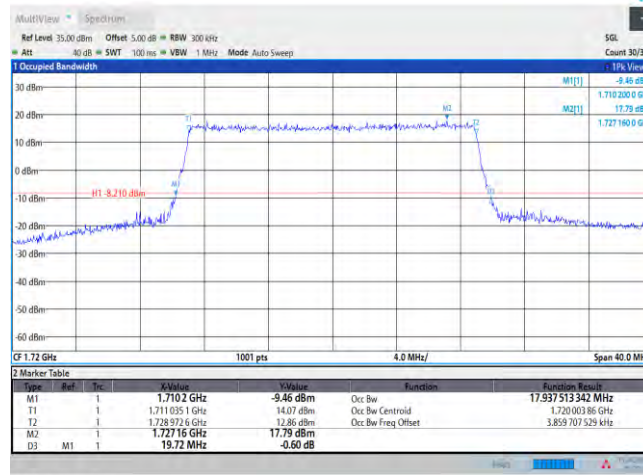


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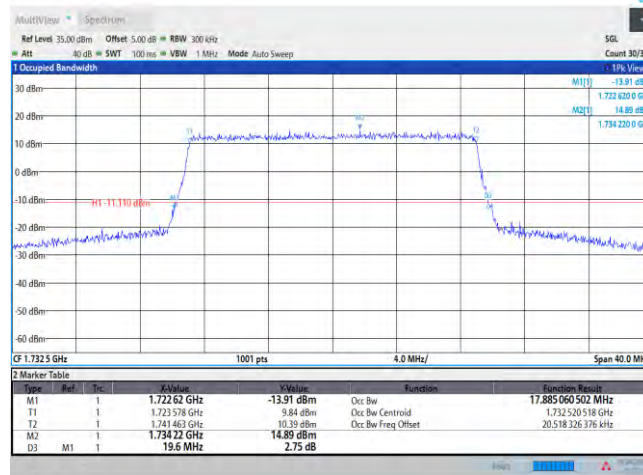
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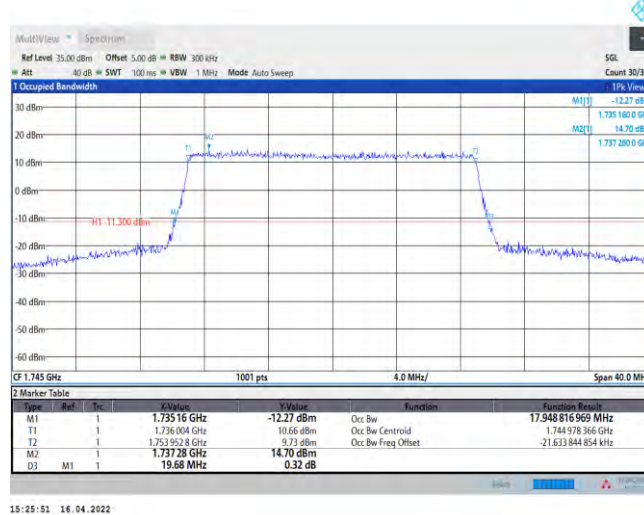
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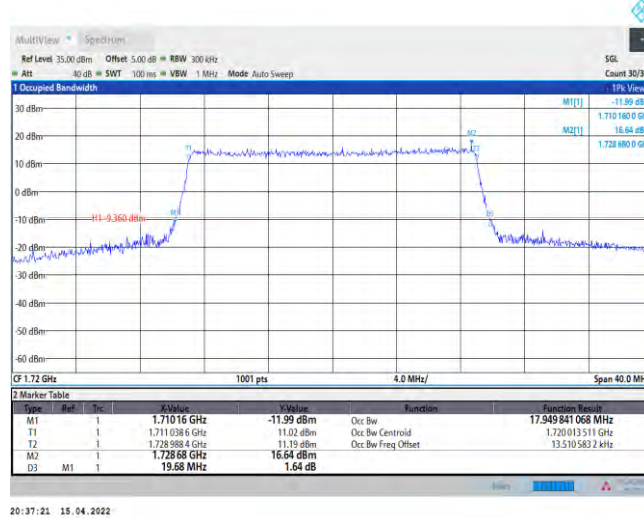
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Band4-20MHz-QPSK-20300-100RB#0



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



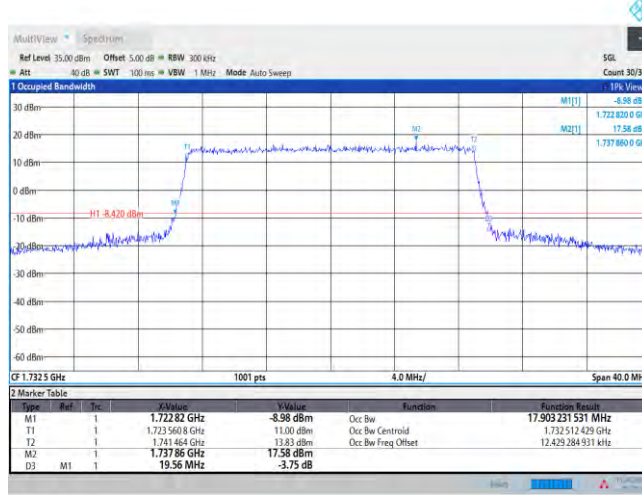
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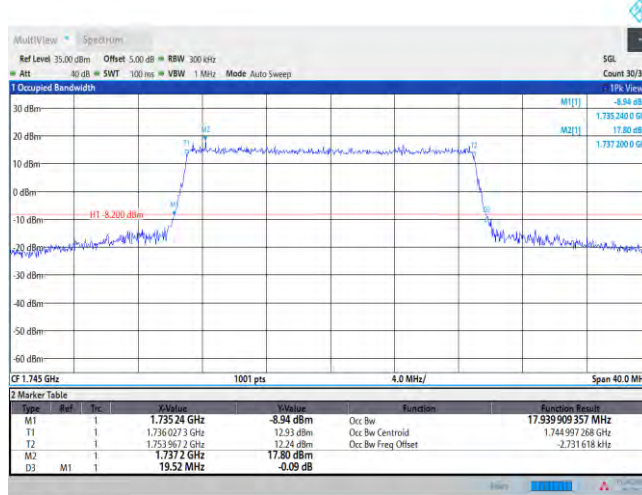
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Band4-20MHz-16QAM-20300-100RB#0



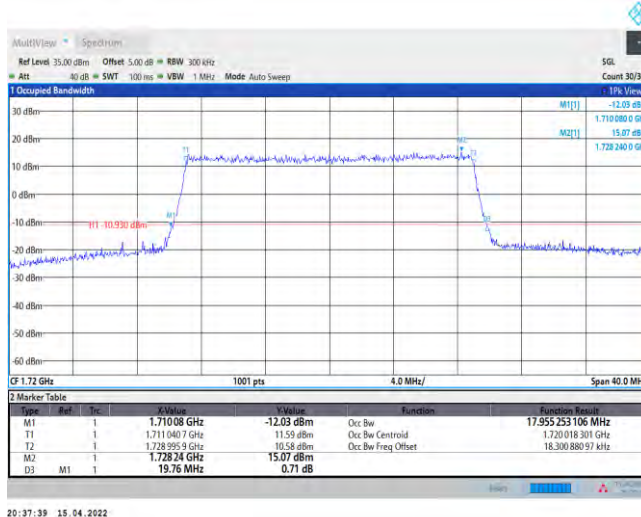
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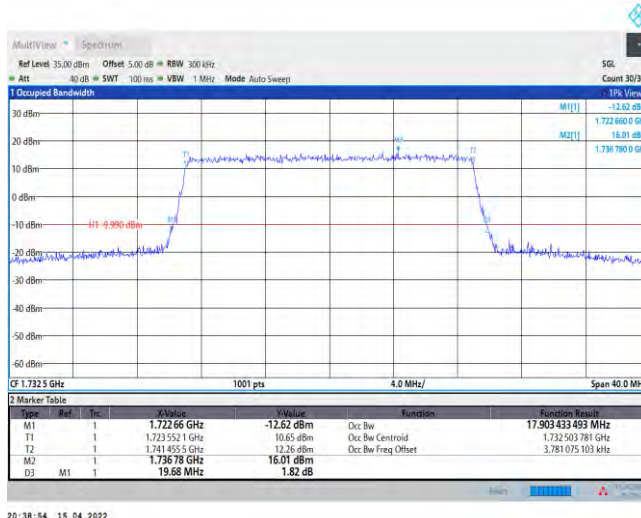
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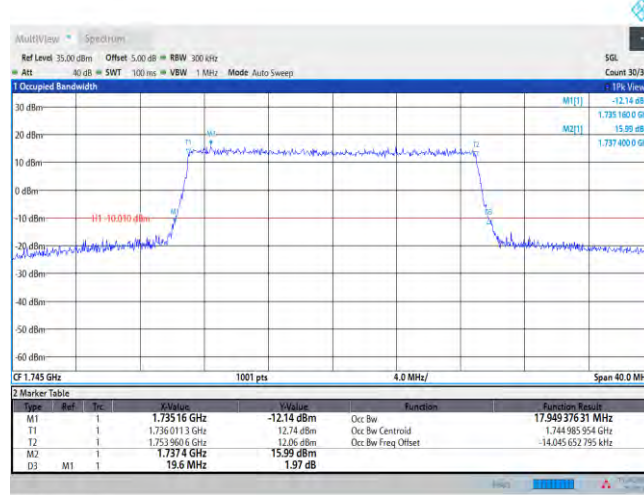


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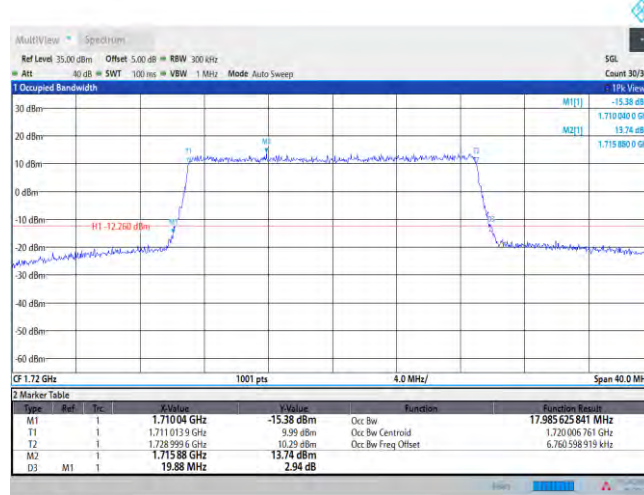


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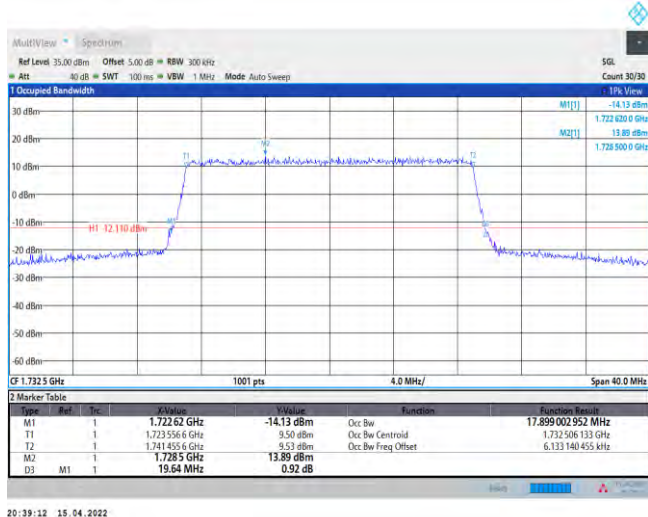
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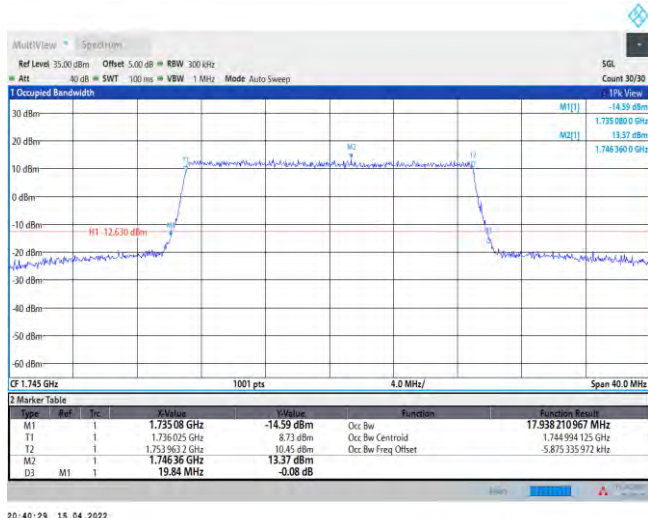
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Band4-20MHz-256QAM-20175-100RB#0



20:39:12 15.04.2022

Band4-20MHz-256QAM-20300-100RB#0



20:40:29 15.04.2022

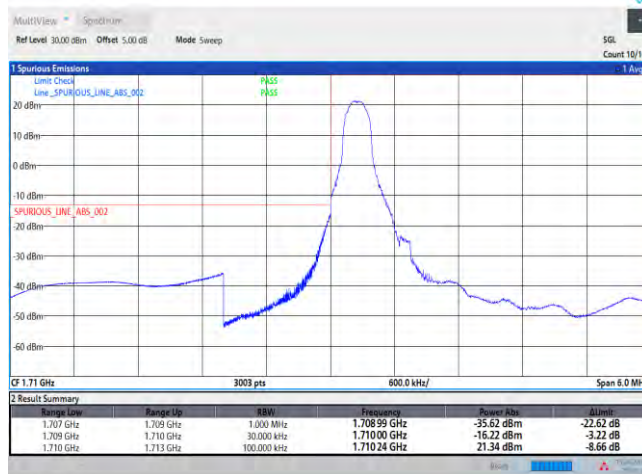


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## Band Edge

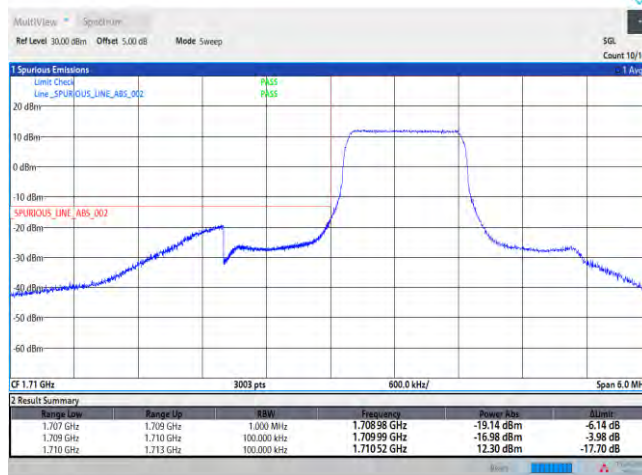
## Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



20:41:23 15.04.2022

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



20:41:52 15.04.2022



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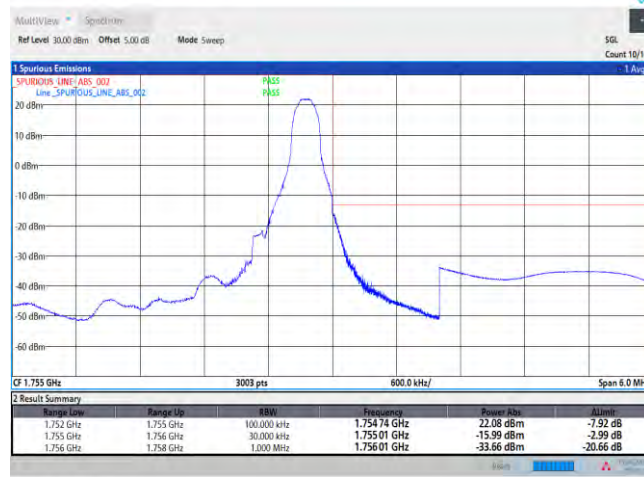
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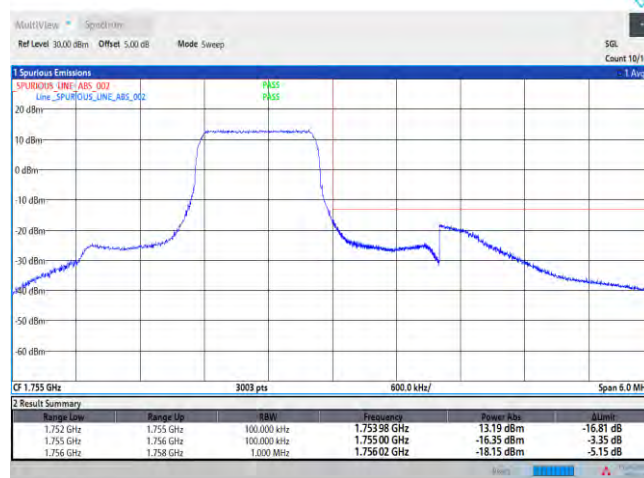
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Band4-1.4MHz-QPSK-20393-1RB#5



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



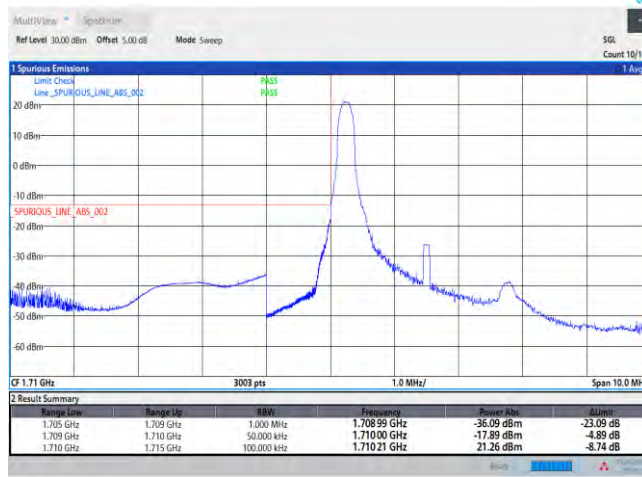
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Band4-3MHz-QPSK-19965-1RB#0



20:44:11 15.04.2022

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



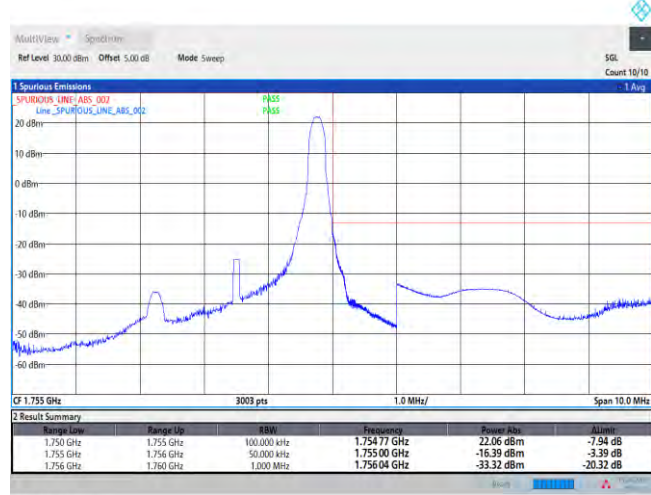
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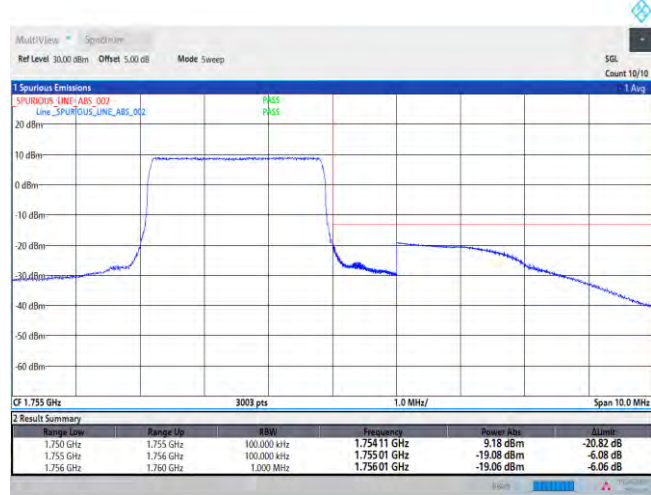
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Band4-3MHz-QPSK-20385-1RB#14



20:45:34 15.04.2022

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



20:46:03 15.04.2022



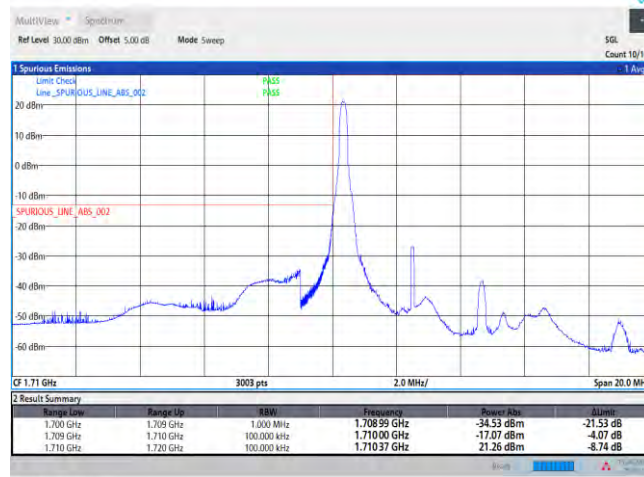
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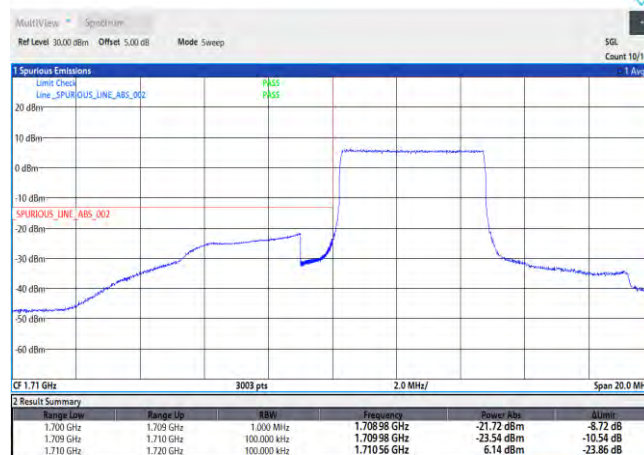


Band4-5MHz-QPSK-19975-1RB#0



20:46:57 15.04.2022

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



20:47:26 15.04.2022

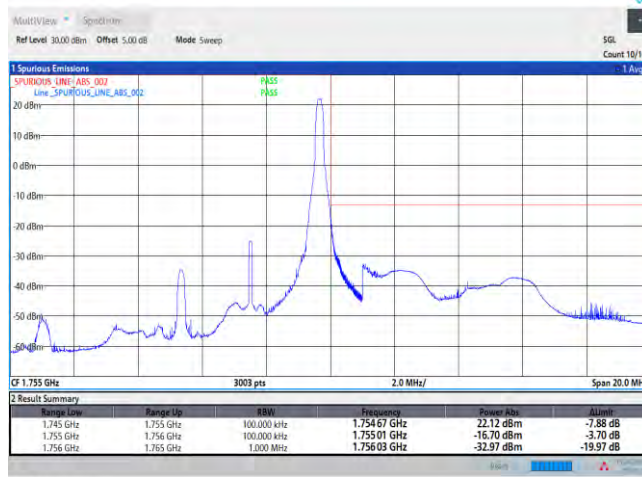


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Band4-5MHz-QPSK-20375-1RB#24



20:48:19 15.04.2022

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



20:48:48 15.04.2022



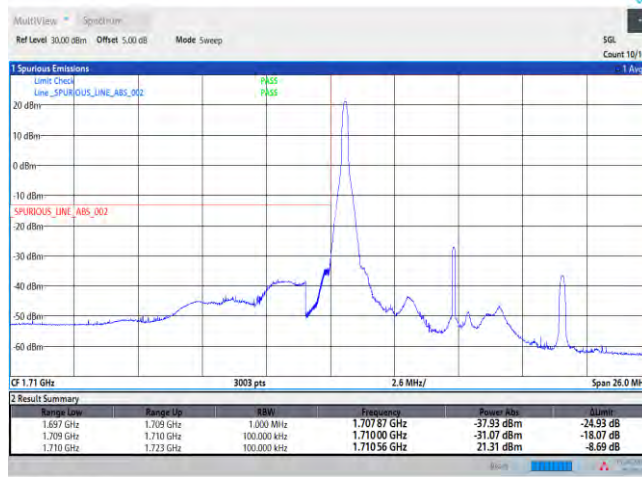
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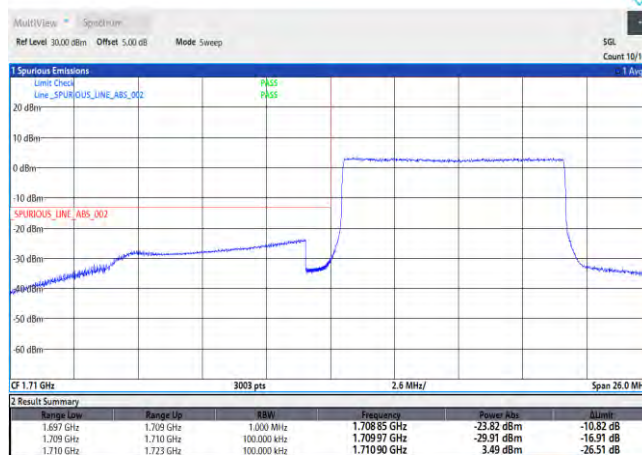
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Band4-10MHz-QPSK-20000-1RB#0



20:49:42 15.04.2022

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



20:50:11 15.04.2022

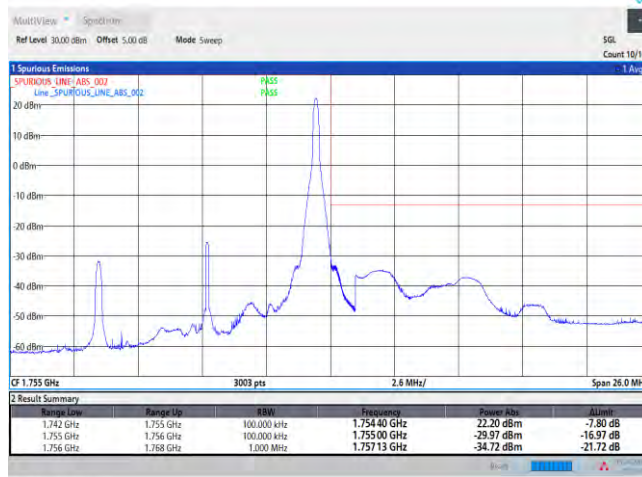


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Band4-10MHz-QPSK-20350-1RB#49



20:51:07 15.04.2022

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



20:51:36 15.04.2022

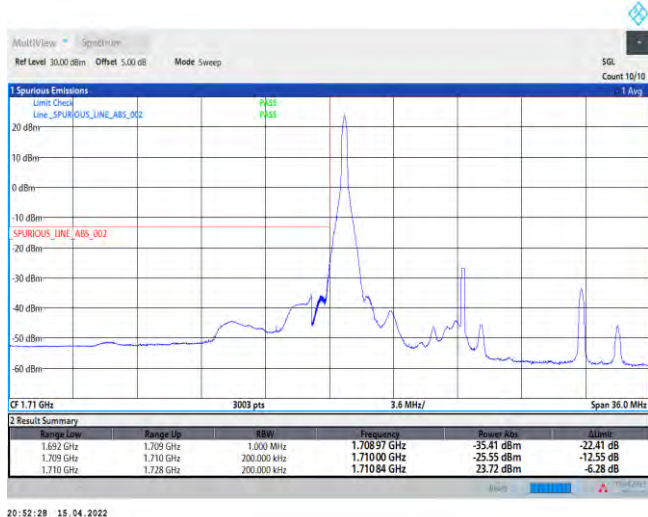


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Band4-15MHz-QPSK-20025-1RB#0



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

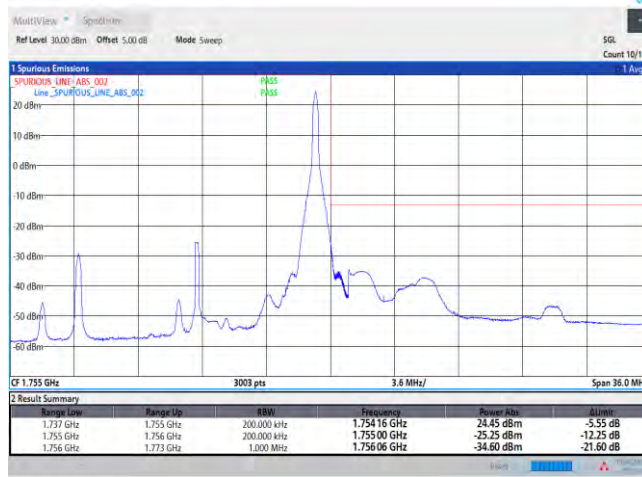


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Band4-15MHz-QPSK-20325-1RB#74



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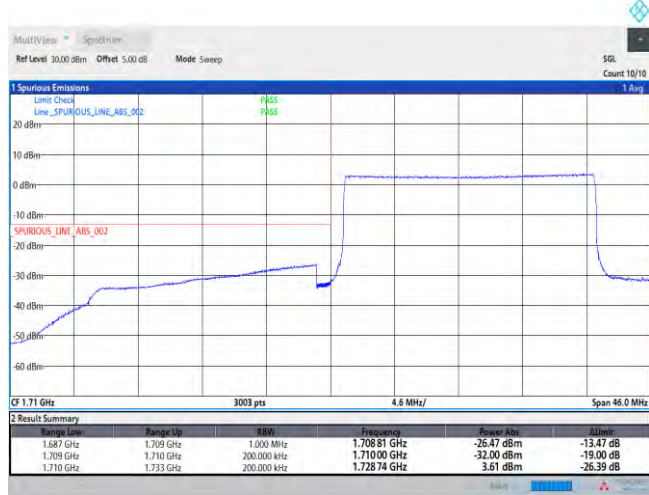


Band4-20MHz-QPSK-20050-1RB#0



20:55:09 15.04.2022

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



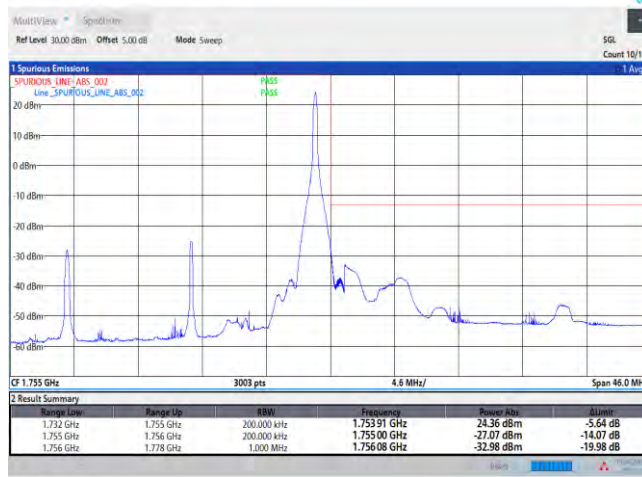
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Band4-20MHz-QPSK-20300-1RB#99



20:56:32 15.04.2022

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



20:57:00 15.04.2022



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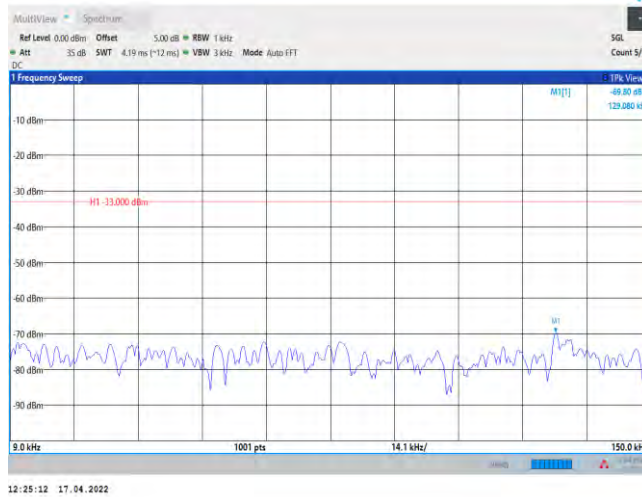
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## Conducted Spurious Emission

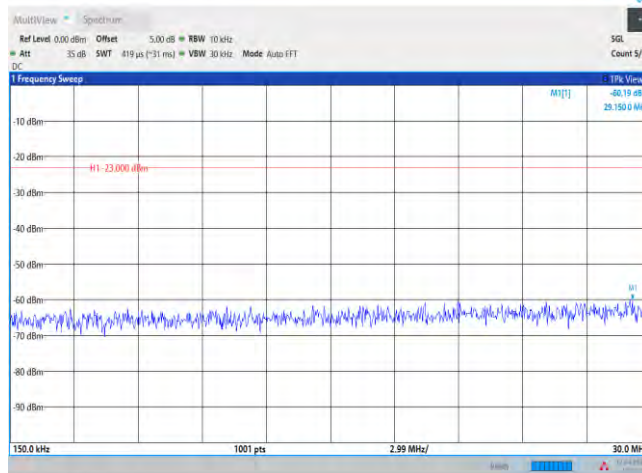
### Test Graphs

Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



12:25:12 17.04.2022

Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



12:25:21 17.04.2022



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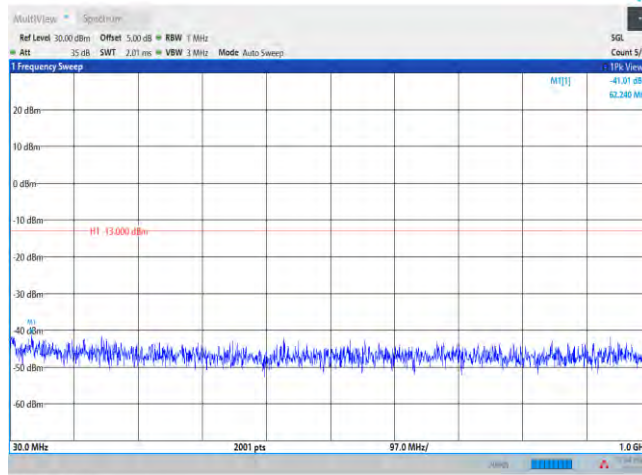
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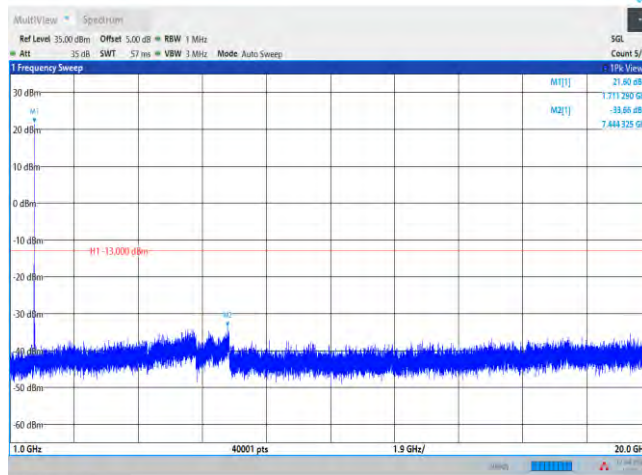


Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



12:25:29 17.04.2022

Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



12:25:38 17.04.2022

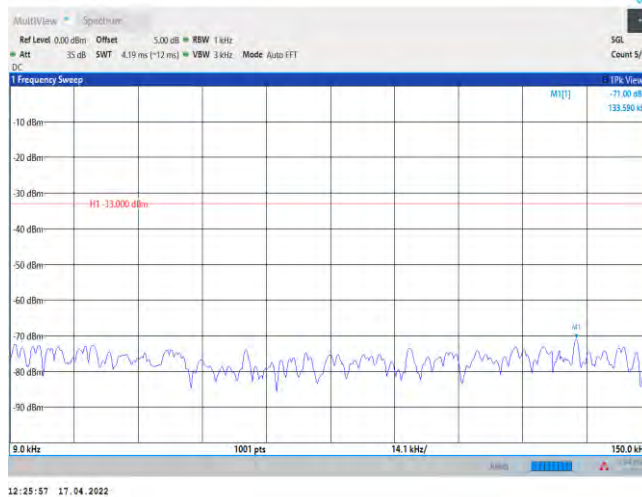


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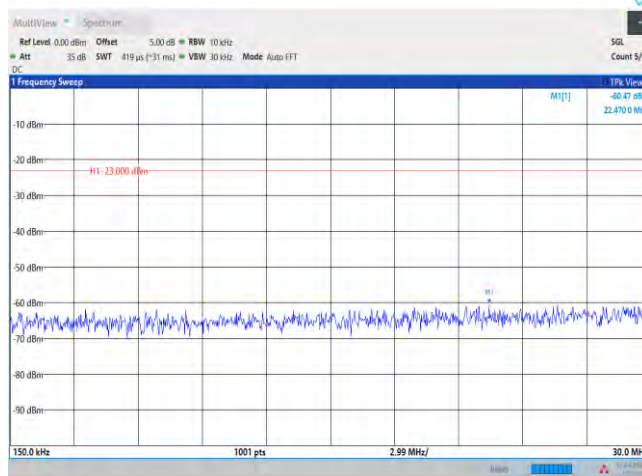
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



12:25:57 17.04.2022

Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



12:26:05 17.04.2022

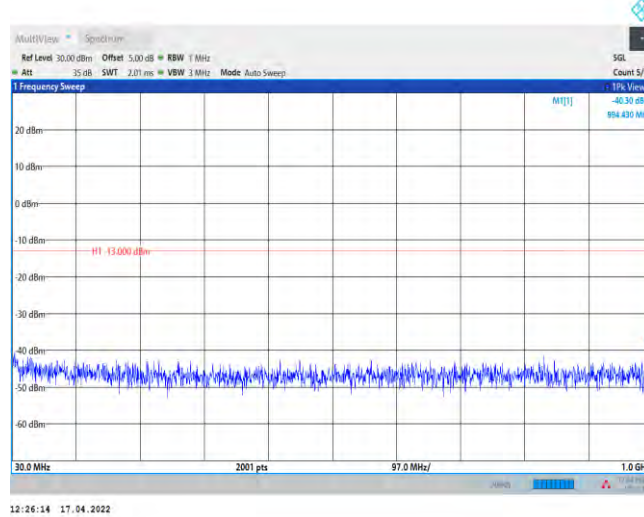


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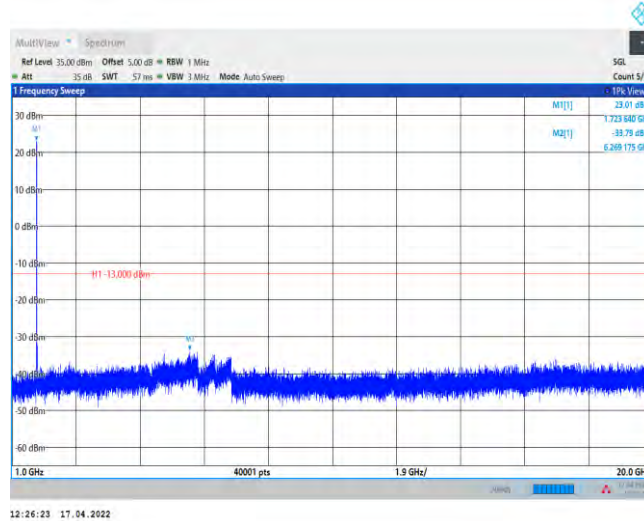
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~20000MHz



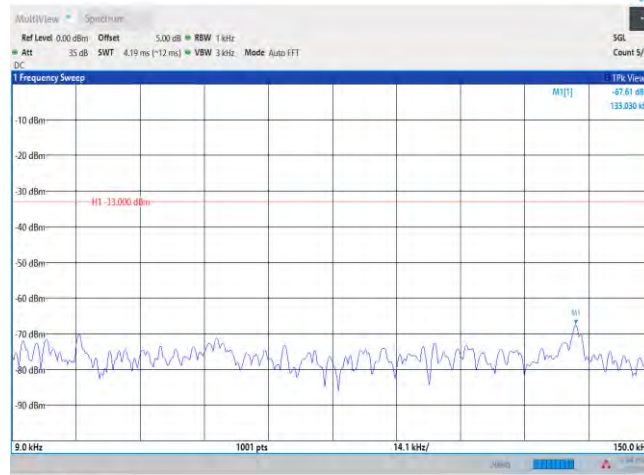
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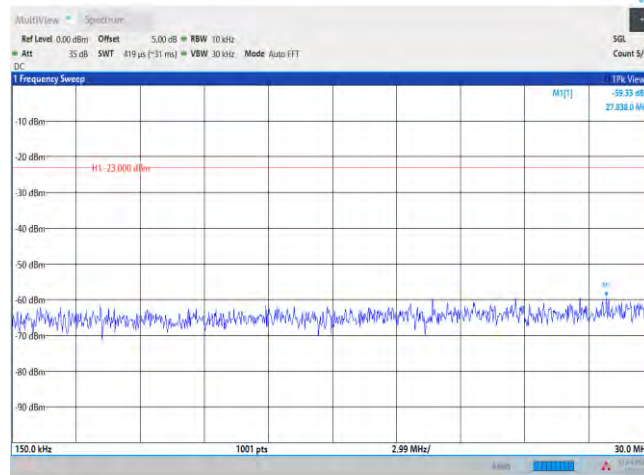


Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



12:26:42 17.04.2022

Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



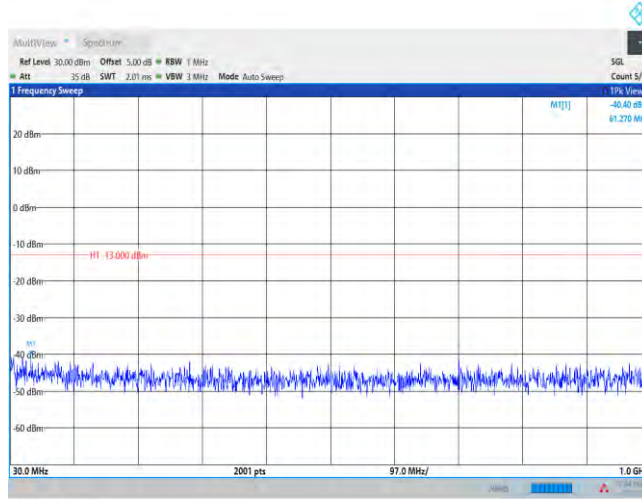
12:26:50 17.04.2022



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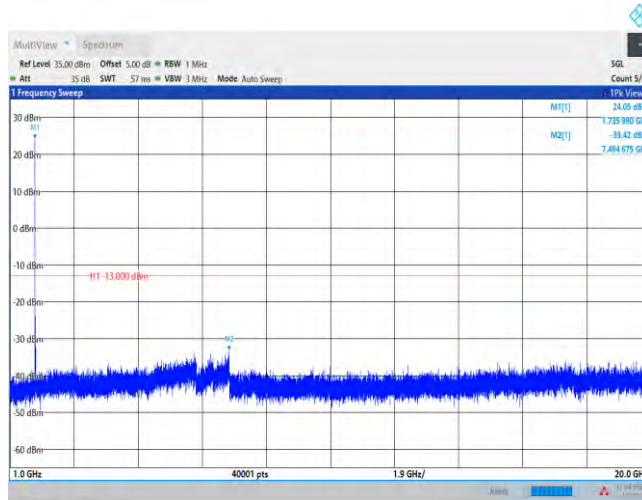
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



12:26:59 17.04.2022

Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



12:27:08 17.04.2022



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## Field Strength of Spurious Radiation

Test Band = LTE Band 4\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	53.43	-111.71	-58.28	-13.00	45.28	263	166	Horizontal
2	5133.27	51.13	-106.90	-55.77	-13.00	42.77	251	346	Horizontal
3	6844.36	48.12	-101.87	-53.75	-13.00	40.75	174	52	Horizontal
4	8555.45	44.76	-96.83	-52.07	-13.00	39.07	162	357	Horizontal
5	10266.54	42.81	-93.20	-50.39	-13.00	37.39	284	38	Horizontal
6	11977.63	42.45	-91.95	-49.50	-13.00	36.50	177	357	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	52.47	-111.71	-59.24	-13.00	46.24	263	19	Vertical
2	5133.27	50.63	-106.90	-56.27	-13.00	43.27	251	68	Vertical
3	6844.36	49.40	-101.87	-52.47	-13.00	39.47	174	357	Vertical
4	8555.45	46.24	-96.83	-50.59	-13.00	37.59	265	9	Vertical
5	10266.54	43.09	-93.20	-50.11	-13.00	37.11	255	329	Vertical
6	11977.63	43.01	-91.95	-48.94	-13.00	35.94	174	345	Vertical



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Test Band = LTE Band 4\_ TM1

Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.18	53.48	-111.65	-58.17	-13.00	45.17	263	184	Horizontal
2	5170.77	49.63	-106.85	-57.22	-13.00	44.22	251	233	Horizontal
3	6894.36	47.59	-101.71	-54.12	-13.00	41.12	144	0	Horizontal
4	8617.95	45.71	-96.82	-51.11	-13.00	38.11	265	9	Horizontal
5	10341.54	42.20	-93.06	-50.86	-13.00	37.86	255	297	Horizontal
6	12065.13	41.59	-91.85	-50.26	-13.00	37.26	177	217	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.18	53.71	-111.65	-57.94	-13.00	44.94	263	32	Vertical
2	5170.77	51.54	-106.85	-55.31	-13.00	42.31	251	18	Vertical
3	6894.36	46.50	-101.71	-55.21	-13.00	42.21	174	312	Vertical
4	8617.95	46.17	-96.82	-50.65	-13.00	37.65	162	262	Vertical
5	10341.54	42.65	-93.06	-50.41	-13.00	37.41	284	229	Vertical
6	12065.13	42.15	-91.85	-49.70	-13.00	36.70	177	148	Vertical



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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = High Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	53.88	-111.61	-57.73	-13.00	44.73	262	167	Horizontal
2	5208.27	49.88	-106.80	-56.92	-13.00	43.92	241	153	Horizontal
3	6944.36	47.72	-101.67	-53.95	-13.00	40.95	182	84	Horizontal
4	8680.45	46.79	-96.47	-49.68	-13.00	36.68	264	9	Horizontal
5	10416.54	41.67	-92.76	-51.09	-13.00	38.09	177	184	Horizontal
6	12152.63	40.67	-91.73	-51.06	-13.00	38.06	185	328	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	53.81	-111.61	-57.80	-13.00	44.80	263	21	Vertical
2	5208.27	52.17	-106.80	-54.63	-13.00	41.63	251	168	Vertical
3	6944.36	48.11	-101.67	-53.56	-13.00	40.56	175	199	Vertical
4	8680.45	48.29	-96.47	-48.18	-13.00	35.18	265	248	Vertical
5	10416.54	41.72	-92.76	-51.04	-13.00	38.04	284	135	Vertical
6	12152.63	42.92	-91.73	-48.81	-13.00	35.81	177	357	Vertical



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Test Band = UL CA Band 2A-4A\_ TM1

Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	49.70	-111.71	-62.01	-13.00	49.01	263	3	Horizontal
2	3702.18	50.31	-111.07	-60.76	-13.00	47.76	251	341	Horizontal
3	5133.27	50.07	-106.90	-56.83	-13.00	43.83	174	32	Horizontal
4	5553.27	49.42	-106.36	-56.94	-13.00	43.94	186	113	Horizontal
5	6844.36	48.53	-101.87	-53.34	-13.00	40.34	264	113	Horizontal
6	7404.36	47.66	-100.78	-53.12	-13.00	40.12	188	291	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.18	50.22	-111.71	-61.49	-13.00	48.49	263	360	Vertical
2	3702.18	50.74	-111.07	-60.33	-13.00	47.33	145	247	Vertical
3	5133.27	48.99	-106.90	-57.91	-13.00	44.91	264	66	Vertical
4	5553.27	49.54	-106.36	-56.82	-13.00	43.82	177	166	Vertical
5	6844.36	47.57	-101.87	-54.30	-13.00	41.30	263	314	Vertical
6	7404.36	49.11	-100.78	-51.67	-13.00	38.67	210	297	Vertical



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**Test Band = UL CA Band 2A-4A\_TM1**

**Test Channel = Mid Channel**

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.18	50.41	-111.65	-61.24	-13.00	48.24	163	116	Horizontal
2	3742.18	52.01	-110.86	-58.85	-13.00	45.85	251	352	Horizontal
3	5170.77	49.60	-106.85	-57.25	-13.00	44.25	176	229	Horizontal
4	5613.27	49.64	-106.14	-56.50	-13.00	43.50	265	343	Horizontal
5	6894.36	47.20	-101.71	-54.51	-13.00	41.51	185	49	Horizontal
6	7484.36	47.67	-100.43	-52.76	-13.00	39.76	144	3	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.18	50.05	-111.65	-61.60	-13.00	48.60	263	360	Vertical
2	3742.18	50.94	-110.86	-59.92	-13.00	46.92	241	326	Vertical
3	5170.77	50.53	-106.85	-56.32	-13.00	43.32	176	131	Vertical
4	5613.27	50.28	-106.14	-55.86	-13.00	42.86	284	360	Vertical
5	6894.36	48.63	-101.71	-53.08	-13.00	40.08	196	179	Vertical
6	7484.36	49.13	-100.43	-51.30	-13.00	38.30	241	47	Vertical



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Test Band = UL CA Band 2A-4A\_TM1

Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	49.65	-111.61	-61.96	-13.00	48.96	281	360	Horizontal
2	3782.18	50.87	-110.66	-59.79	-13.00	46.79	263	162	Horizontal
3	5208.27	50.22	-106.80	-56.58	-13.00	43.58	174	344	Horizontal
4	5673.27	49.60	-105.88	-56.28	-13.00	43.28	248	358	Horizontal
5	6944.36	47.74	-101.67	-53.93	-13.00	40.93	126	359	Horizontal
6	7564.36	48.58	-100.01	-51.43	-13.00	38.43	196	3	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.18	49.75	-111.61	-61.86	-13.00	48.86	264	342	Vertical
2	3782.18	50.61	-110.66	-60.05	-13.00	47.05	263	31	Vertical
3	5208.27	49.65	-106.80	-57.15	-13.00	44.15	188	342	Vertical
4	5673.27	49.55	-105.88	-56.33	-13.00	43.33	214	194	Vertical
5	6944.36	46.68	-101.67	-54.99	-13.00	41.99	174	162	Vertical
6	7564.36	48.97	-100.01	-51.04	-13.00	38.04	123	179	Vertical



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-2.30	-0.001328	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-1.20	-0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-2.20	-0.001270	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.00	0.000000	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.00	-0.000577	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.20	-0.001270	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.00	-0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-1.30	-0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-1.10	-0.000635	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.10	-0.000058	PASS

The End



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