



Report No.: SEWM2210000205RG01

Rev.: 01

Page: 1 of 82

Appendix B.2

LTE Band 4



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Report No.: SEWM2210000205RG01
 Rev.: 01
 Page: 2 of 82

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	23.41	26.27	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.41	26.27	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.4	26.26	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.43	25.29	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.52	26.38	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.61	26.47	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.55	26.41	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.59	25.45	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.63	26.49	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.66	26.52	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.63	26.49	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.69	25.55	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.54	25.4	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.63	25.49	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.55	25.41	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.43	24.29	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.69	25.55	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.78	25.64	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.68	25.54	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.54	24.4	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.78	25.64	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.86	25.72	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.79	25.65	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.7	24.56	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	21.6	24.46	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	21.62	24.48	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	21.61	24.47	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 3 of 82

Band4	1.4MHz	64QAM	19957	6RB#0	20.43	23.29	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	21.75	24.61	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	21.79	24.65	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	21.7	24.56	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.49	23.35	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	21.8	24.66	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	21.86	24.72	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	21.87	24.73	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.68	23.54	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	18.96	21.82	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	18.53	21.39	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	18.5	21.36	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	18.4	21.26	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	18.87	21.73	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	18.63	21.49	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	18.6	21.46	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	18.5	21.36	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	18.63	21.49	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	18.75	21.61	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	18.64	21.5	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	18.61	21.47	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.44	26.3	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.42	26.28	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.44	26.3	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.49	25.35	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.54	26.4	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.55	26.41	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.54	26.4	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.58	25.44	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.55	26.41	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.64	26.5	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.65	26.51	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 4 of 82

Band4	3MHz	QPSK	20385	15RB#0	22.73	25.59	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.59	25.45	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.55	25.41	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.58	25.44	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.49	24.35	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.66	25.52	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.71	25.57	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.66	25.52	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.55	24.41	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.79	25.65	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.75	25.61	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.77	25.63	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.68	24.54	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	21.61	24.47	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	21.57	24.43	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	21.65	24.51	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.46	23.32	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	21.63	24.49	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	21.8	24.66	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	21.74	24.6	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.52	23.38	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	21.83	24.69	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	21.9	24.76	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	21.8	24.66	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.71	23.57	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	18.5	21.36	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	18.46	21.32	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	18.51	21.37	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	18.47	21.33	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	18.54	21.4	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	18.63	21.49	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	18.67	21.53	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 5 of 82

Band4	3MHz	256QAM	20175	15RB#0	18.54	21.4	30	PASS
Band4	3MHz	256QAM	20385	1RB#0	19.21	22.07	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	18.68	21.54	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	18.73	21.59	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	18.68	21.54	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.47	26.33	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.49	26.35	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.56	26.42	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.51	25.37	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.59	26.45	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.6	26.46	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.62	26.48	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.62	25.48	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.65	26.51	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.69	26.55	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.73	26.59	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.73	25.59	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	22.63	25.49	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.58	25.44	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.6	25.46	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.45	24.31	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.75	25.61	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.72	25.58	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.81	25.67	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.53	24.39	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.79	25.65	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.83	25.69	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.87	25.73	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.69	24.55	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	21.55	24.41	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	21.63	24.49	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	21.59	24.45	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 6 of 82

Band4	5MHz	64QAM	19975	25RB#0	20.44	23.3	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	21.74	24.6	30	PASS
Band4	5MHz	64QAM	20175	1RB#12	21.79	24.65	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	21.8	24.66	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.52	23.38	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	21.83	24.69	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	21.87	24.73	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	21.86	24.72	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.7	23.56	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	18.53	21.39	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	18.54	21.4	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	18.49	21.35	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	18.43	21.29	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	19.14	22	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	18.59	21.45	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	18.72	21.58	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	18.55	21.41	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	18.52	21.38	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	18.75	21.61	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	18.76	21.62	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	18.65	21.51	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.44	26.3	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.47	26.33	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.51	26.37	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.48	25.34	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.52	26.38	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.61	26.47	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.68	26.54	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.6	25.46	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.57	26.43	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.85	26.71	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.69	26.55	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 7 of 82

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Band4	10MHz	16QAM	20000	1RB#0	22.58	25.44	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.64	25.5	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.63	25.49	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.47	24.33	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.7	25.56	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.73	25.59	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.78	25.64	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.58	24.44	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.72	25.58	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.75	25.61	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.85	25.71	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.66	24.52	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	21.63	24.49	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	21.63	24.49	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.66	24.52	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.43	23.29	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	21.74	24.6	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	21.76	24.62	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	21.82	24.68	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.53	23.39	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	21.76	24.62	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	21.82	24.68	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	21.95	24.81	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.65	23.51	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	18.48	21.34	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	18.55	21.41	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	18.59	21.45	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	18.44	21.3	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	18.69	21.55	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	18.61	21.47	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	18.71	21.57	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 8 of 82

Band4	10MHz	256QAM	20175	50RB#0	18.55	21.41	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	18.41	21.27	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	18.68	21.54	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	18.77	21.63	30	PASS
Band4	10MHz	256QAM	20350	50RB#0	18.58	21.44	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.39	26.25	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.45	26.31	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.51	26.37	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.5	25.36	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.47	26.33	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.61	26.47	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.52	26.38	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.63	25.49	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.5	26.36	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	23.63	26.49	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.7	26.56	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.68	25.54	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.5	25.36	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.59	25.45	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.67	25.53	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.46	24.32	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.67	25.53	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.7	25.56	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.79	25.65	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.54	24.4	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.71	25.57	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.77	25.63	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.9	25.76	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	21.67	24.53	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	21.52	24.38	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	21.66	24.52	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	21.66	24.52	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 9 of 82

Band4	15MHz	64QAM	20025	75RB#0	20.44	23.3	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	21.67	24.53	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	21.75	24.61	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	21.73	24.59	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.51	23.37	30	PASS
Band4	15MHz	64QAM	20325	1RB#0	21.73	24.59	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	21.84	24.7	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	21.94	24.8	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.6	23.46	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	18.44	21.3	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	18.51	21.37	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	18.62	21.48	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	18.42	21.28	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	18.45	21.31	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	18.64	21.5	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	18.65	21.51	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	18.54	21.4	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	18.63	21.49	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	18.75	21.61	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	18.77	21.63	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	18.64	21.5	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.37	26.23	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.47	26.33	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.59	26.45	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.6	25.46	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.43	26.29	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.58	26.44	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.64	26.5	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.68	25.54	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.55	26.41	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.65	26.51	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.75	26.61	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 10 of 82

Band4	20MHz	QPSK	20300	100RB#0	22.65	25.51	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.5	25.36	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.59	25.45	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.76	25.62	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.52	24.38	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.59	25.45	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.73	25.59	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.8	25.66	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.61	24.47	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.66	25.52	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.81	25.67	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.87	25.73	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.59	24.45	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	21.52	24.38	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	21.63	24.49	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	21.73	24.59	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.49	23.35	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	21.57	24.43	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	21.75	24.61	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	21.86	24.72	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.58	23.44	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	21.67	24.53	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	21.83	24.69	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	21.84	24.7	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.56	23.42	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	18.49	21.35	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	18.56	21.42	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	18.63	21.49	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	18.47	21.33	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	18.58	21.44	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	18.6	21.46	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	18.71	21.57	30	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 11 of 82

Band4	20MHz	256QAM	20175	100RB#0	18.59	21.45	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	18.96	21.82	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	18.71	21.57	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	18.79	21.65	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	18.55	21.41	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	5.94	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.16	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.58	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.84	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.60	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.84	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	7.12	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.80	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	6.72	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.98	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	6.74	13	PASS



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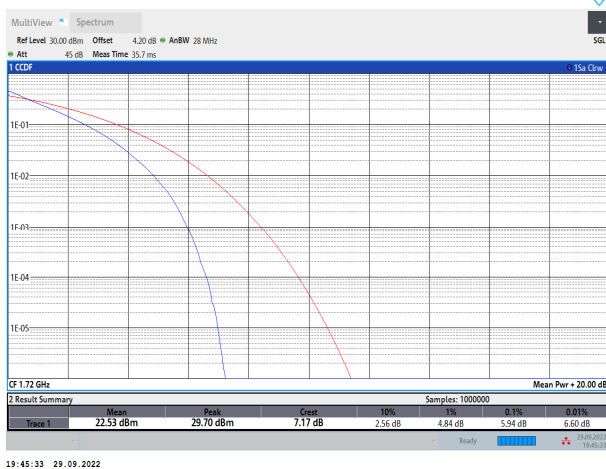
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Rev.: 01

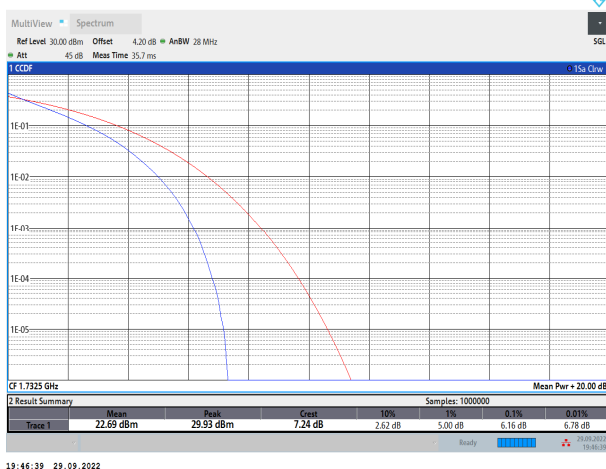
Page: 13 of 82

Test Graphs

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



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



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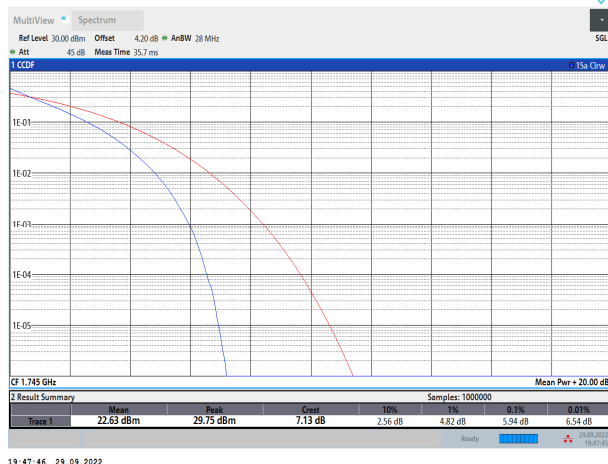
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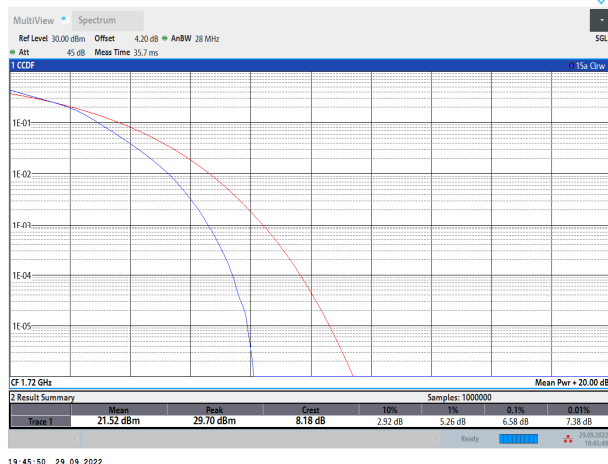
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Page: 14 of 82

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



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



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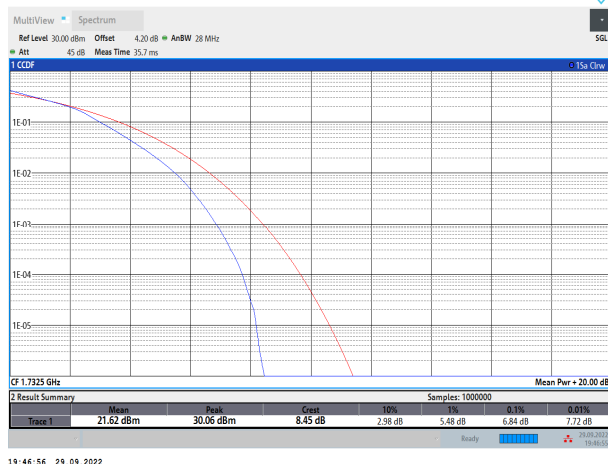
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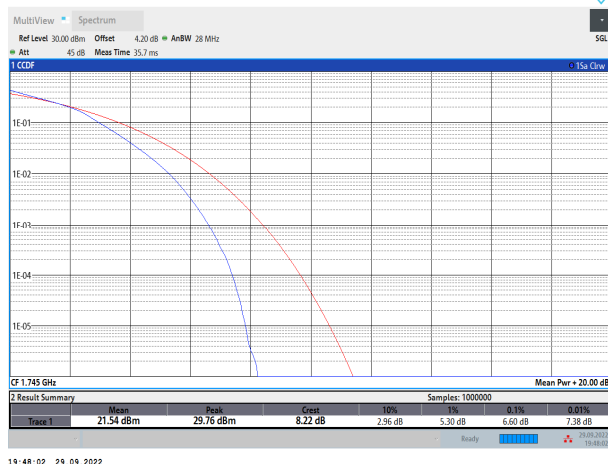
Rev.: 01

Page: 15 of 82

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



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



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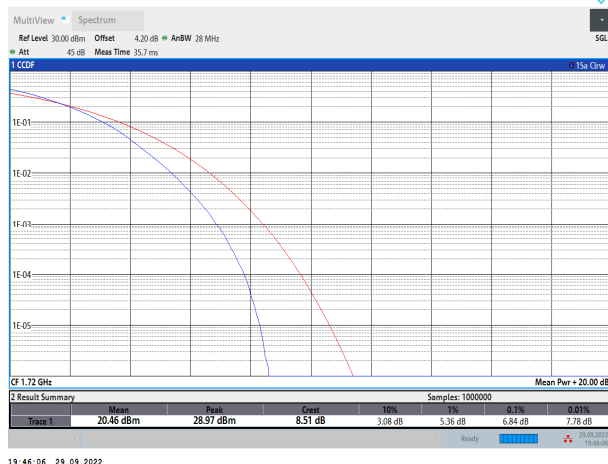
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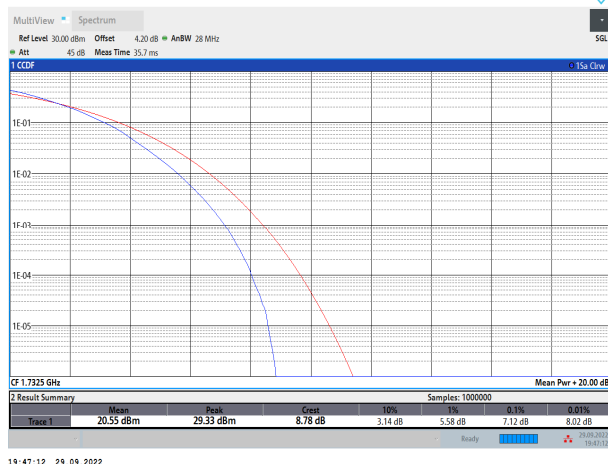
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Page: 16 of 82

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



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



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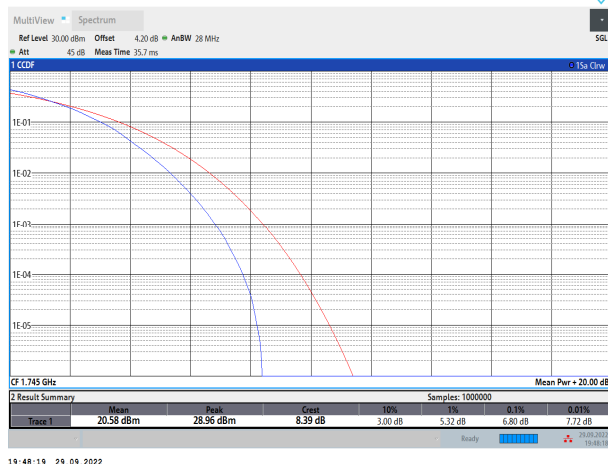
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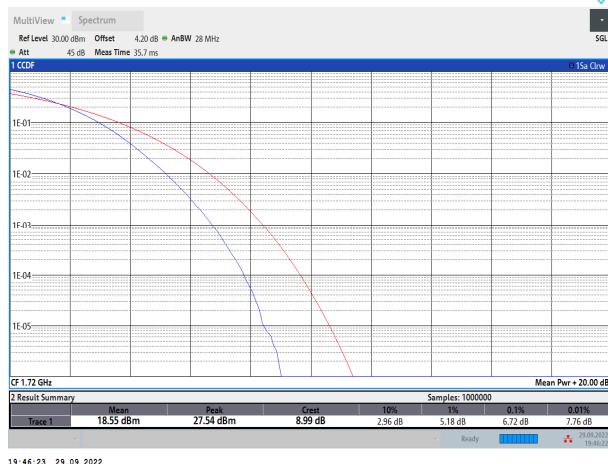
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Band4-20MHz-64QAM-20300-100RB#0



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



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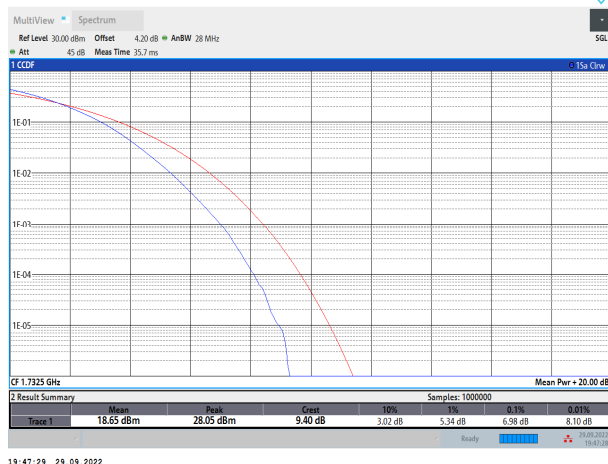
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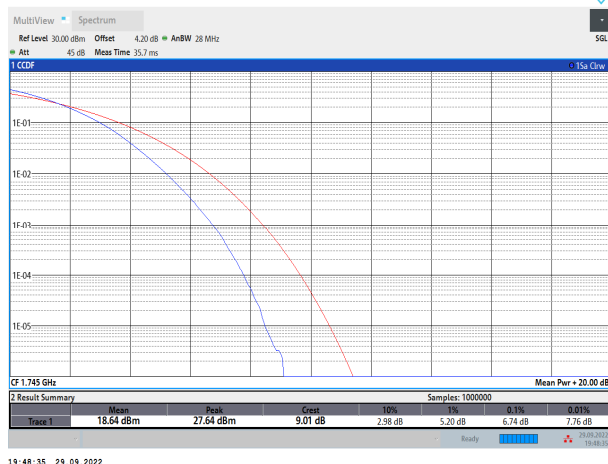
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Band4-20MHz-256QAM-20175-100RB#0



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



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 19 of 82

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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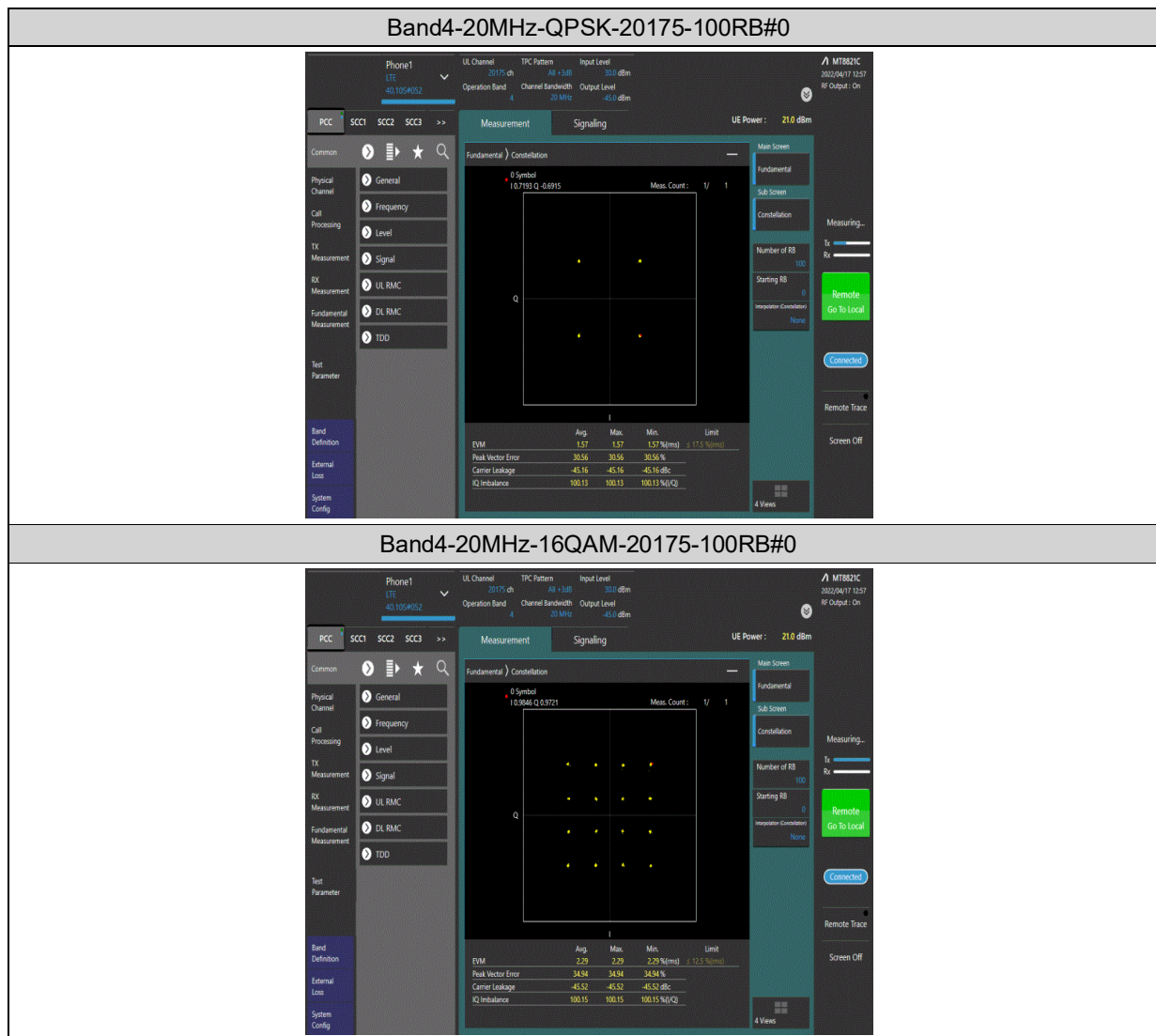
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Rev.: 01

Page: 20 of 82

Test Graphs

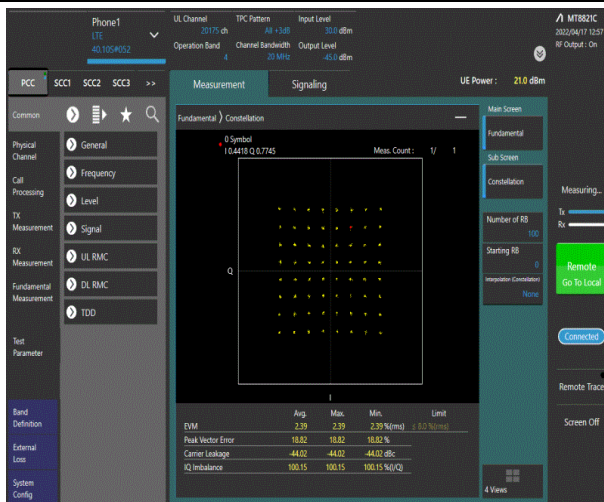


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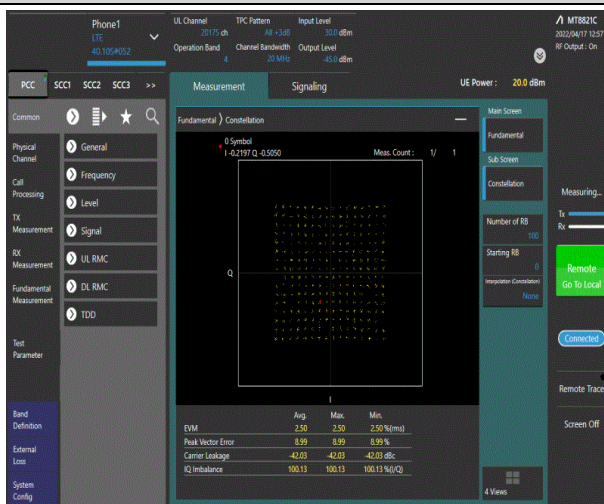
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Band4-20MHz-64QAM-20175-100RB#0



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	1.093	1.28	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.094	1.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.092	1.29	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.094	1.30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.31	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.098	1.30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.098	1.32	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.097	1.32	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.096	1.31	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.087	1.28	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.087	1.28	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.088	1.28	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.694	2.95	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7	2.95	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.96	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.694	2.94	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.692	2.95	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.69	2.94	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.693	2.93	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.693	2.94	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.688	2.92	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.693	2.93	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.691	2.95	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.69	2.94	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.462	4.77	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.466	4.83	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.462	4.84	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.463	4.84	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.468	4.88	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.463	4.83	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.468	4.85	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 23 of 82

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Band4	5MHz	64QAM	20375	25RB#0	4.462	4.76	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.468	4.84	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.468	4.83	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.469	4.84	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.936	9.58	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.948	9.60	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.93	9.60	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.928	9.70	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.932	9.70	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.925	9.64	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.937	9.66	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.944	9.68	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.919	9.62	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.928	9.64	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.94	9.56	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.923	9.58	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.452	14.64	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.475	14.67	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.439	14.64	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.447	14.67	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.466	14.67	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.426	14.64	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.452	14.70	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.481	14.82	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.455	14.79	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.436	14.64	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.456	14.76	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.416	14.64	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.896	19.24	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.921	19.40	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.873	19.24	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.871	19.24	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.898	19.32	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.857	19.24	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.897	19.32	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.902	19.28	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 24 of 82

Band4	20MHz	64QAM	20300	100RB#0	17.849	19.32	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.881	19.28	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.914	19.36	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.859	19.24	PASS



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 25 of 82

Test Graphs

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



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



Report No.: SEWM2210000205RG01

Rev.: 01

Page: 26 of 82

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



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



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 27 of 82

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



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

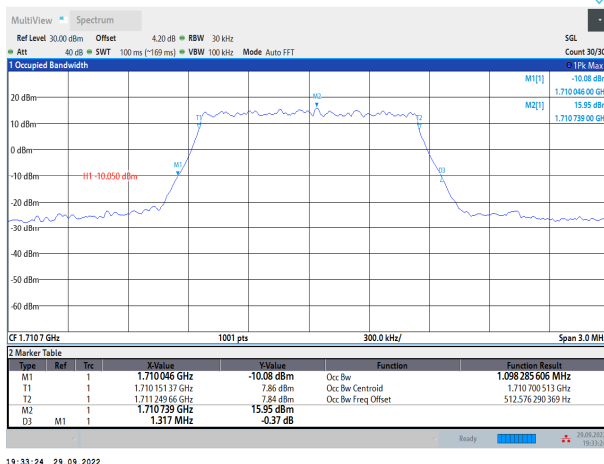


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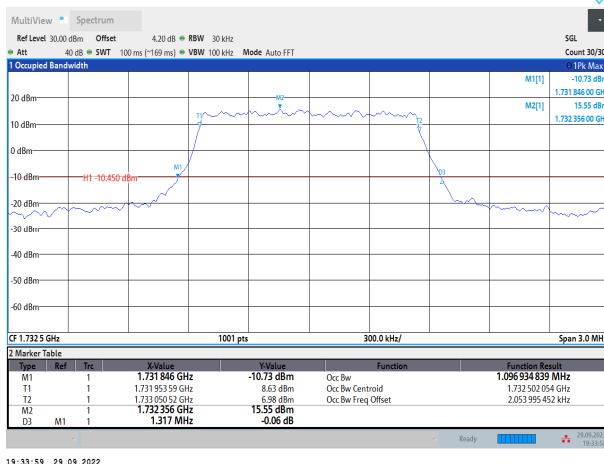
Rev.: 01

Page: 28 of 82

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



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



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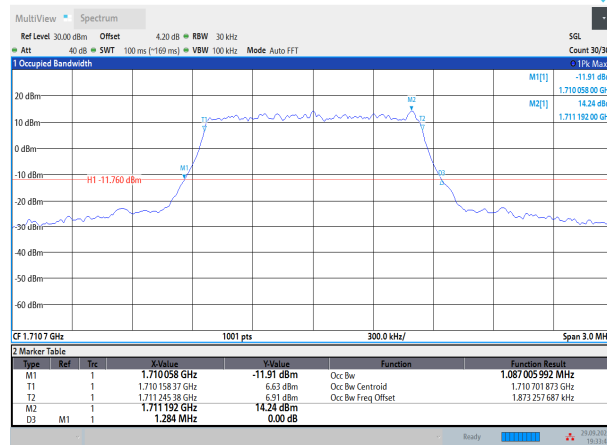
Page: 29 of 82

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



19:34:34 29.09.2022

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



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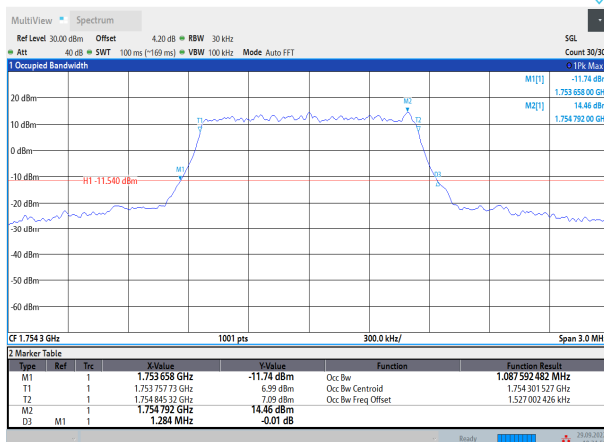
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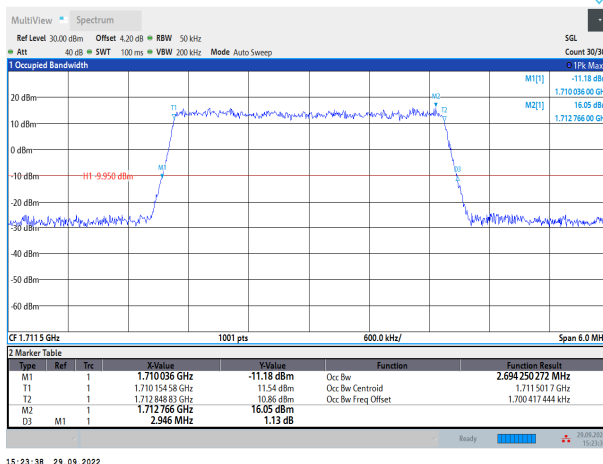
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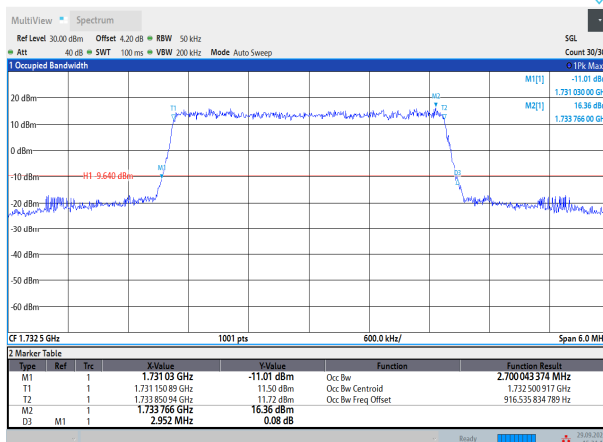
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Band4-3MHz-QPSK-19965-15RB#0



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



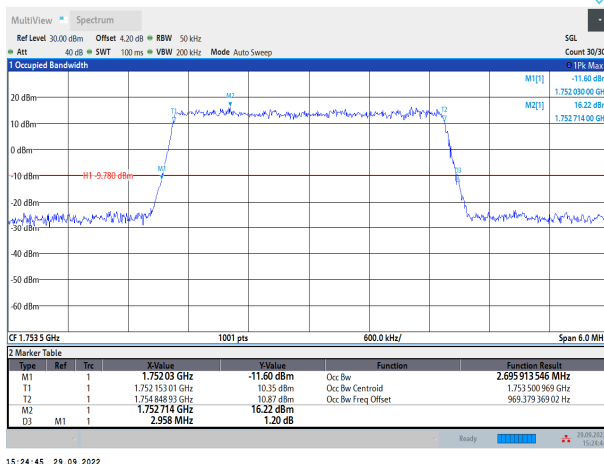
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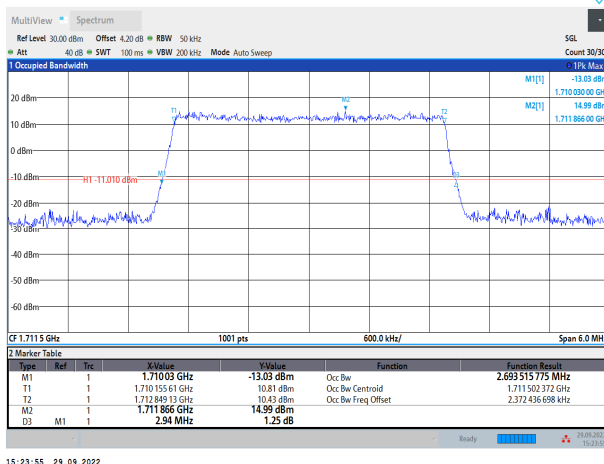
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Page: 32 of 82

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



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



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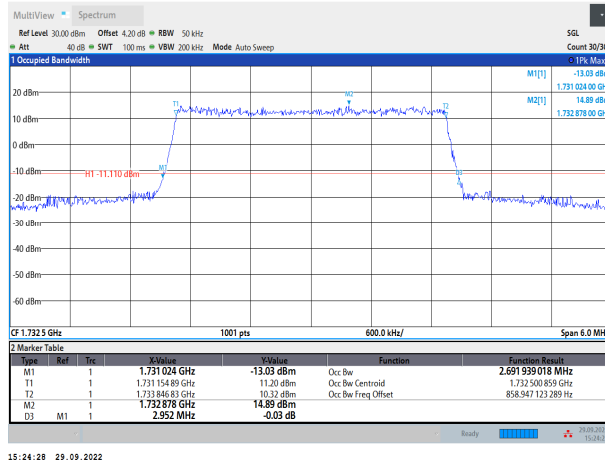
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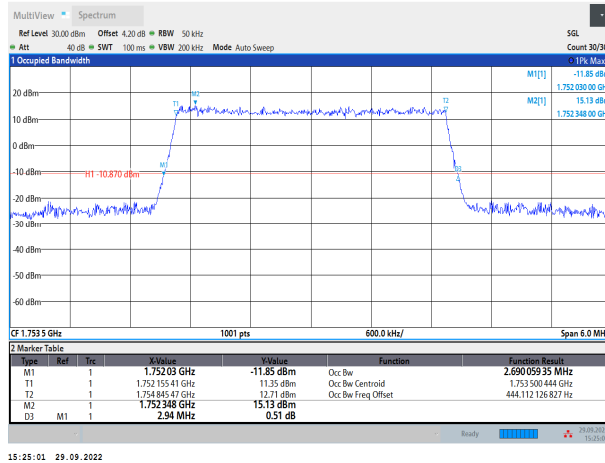
Rev.: 01

Page: 33 of 82

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



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



Report No.: SEWM2210000205RG01

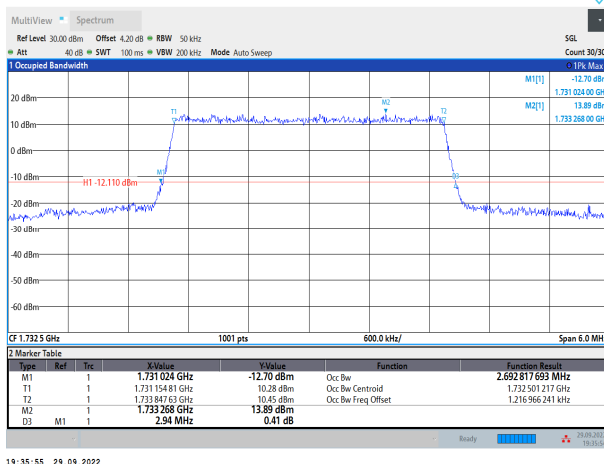
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Band4-3MHz-64QAM-19965-15RB#0



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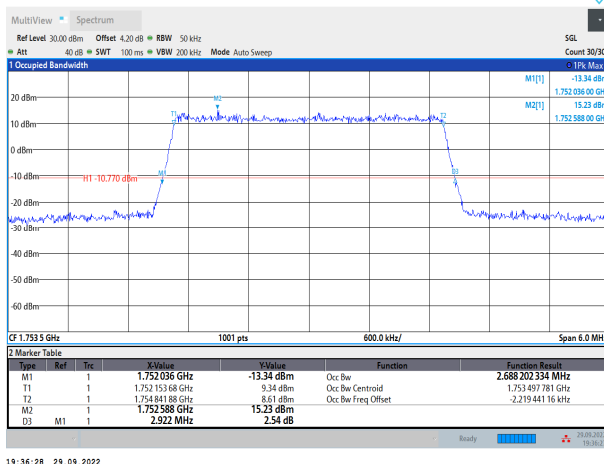


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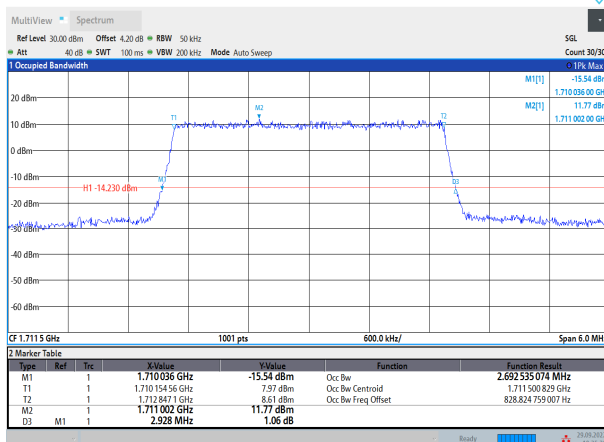
Page: 35 of 82

Band4-3MHz-64QAM-20385-15RB#0



19:36:28 29.09.2022

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



19:35:38 29.09.2022



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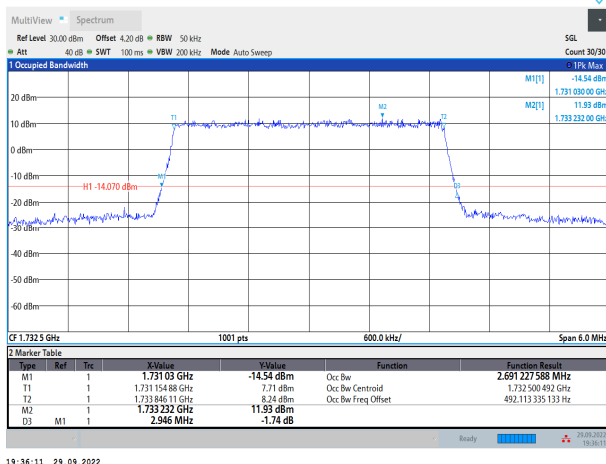
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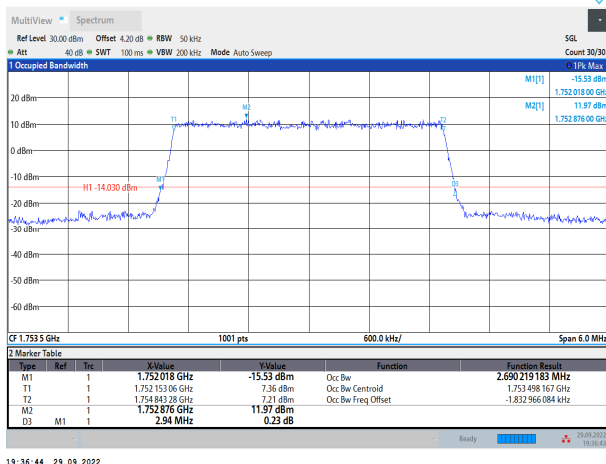
Rev.: 01

Page: 36 of 82

Band4-3MHz-256QAM-20175-15RB#0



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



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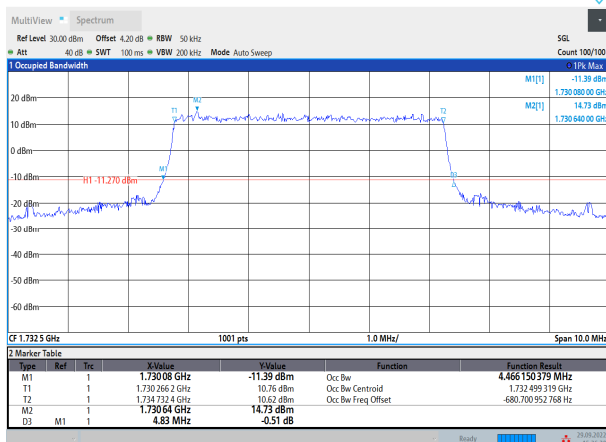
Page: 37 of 82

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



15:25:33 29.09.2022

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



15:26:21 29.09.2022



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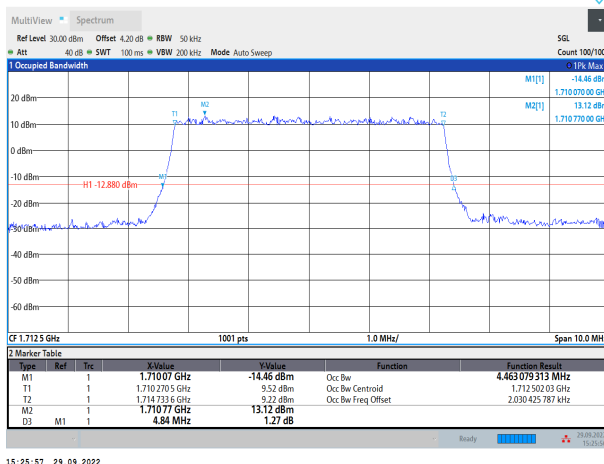
Rev.: 01

Page: 38 of 82

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

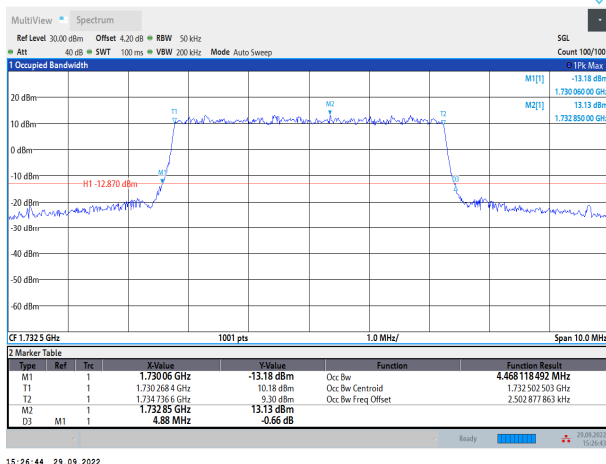


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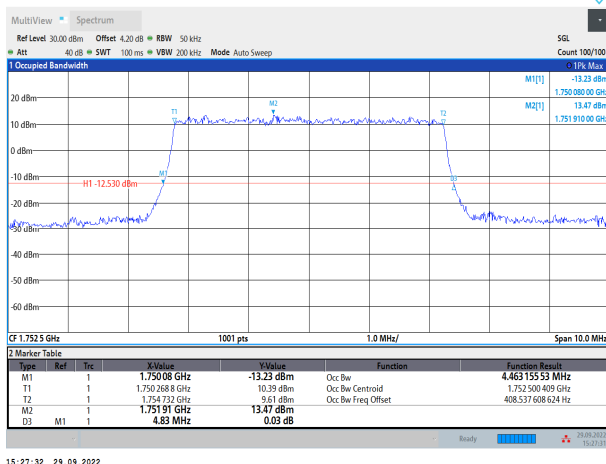
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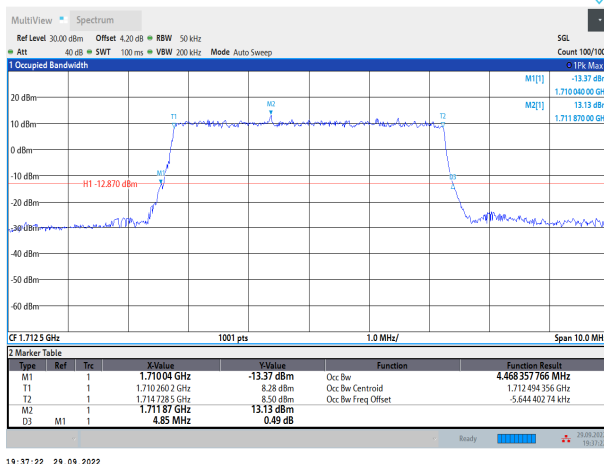
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Rev.: 01

Page: 40 of 82

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



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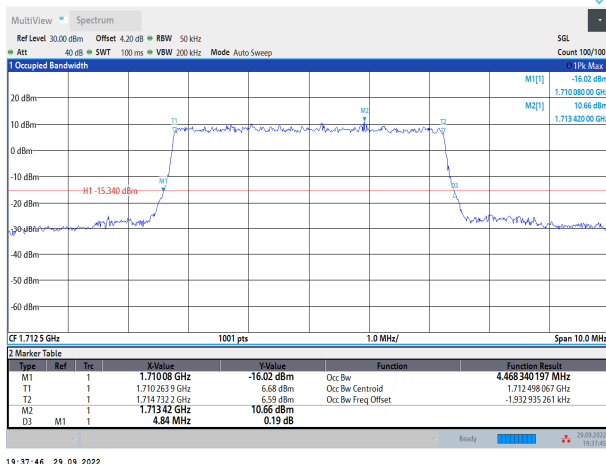
Rev.: 01

Page: 41 of 82

Band4-5MHz-64QAM-20375-25RB#0



Band4-5MHz-256QAM-19975-25RB#0

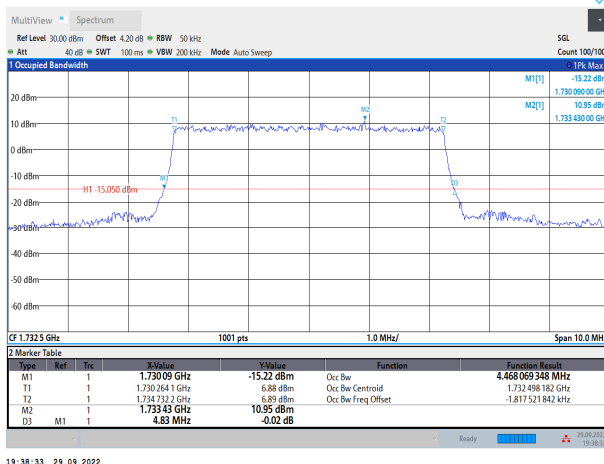


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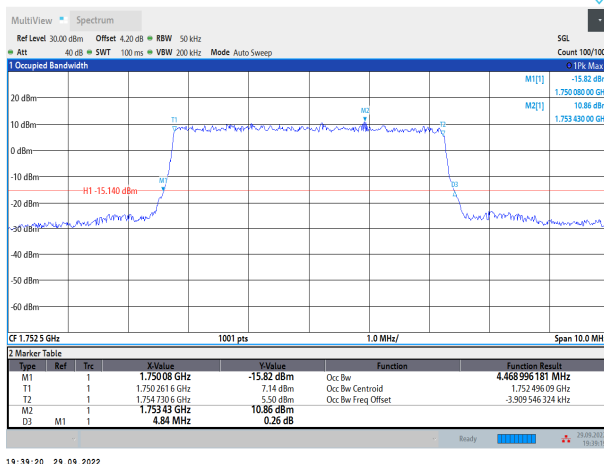
Rev.: 01

Page: 42 of 82

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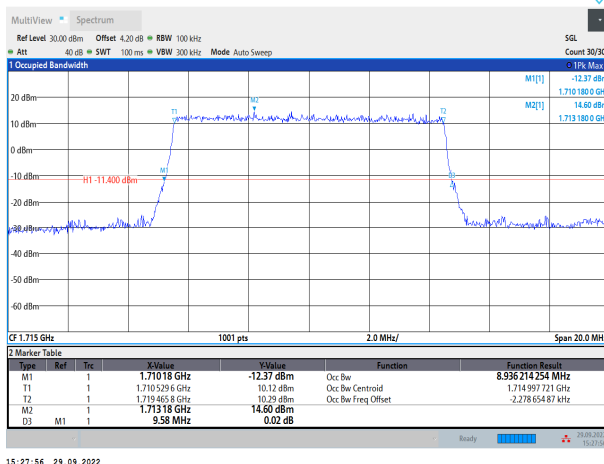


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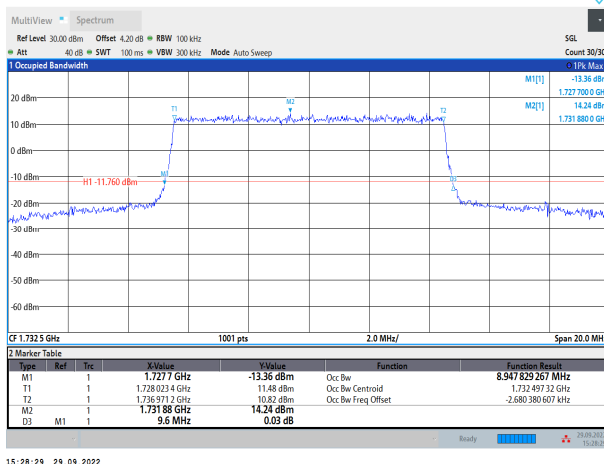
Rev.: 01

Page: 43 of 82

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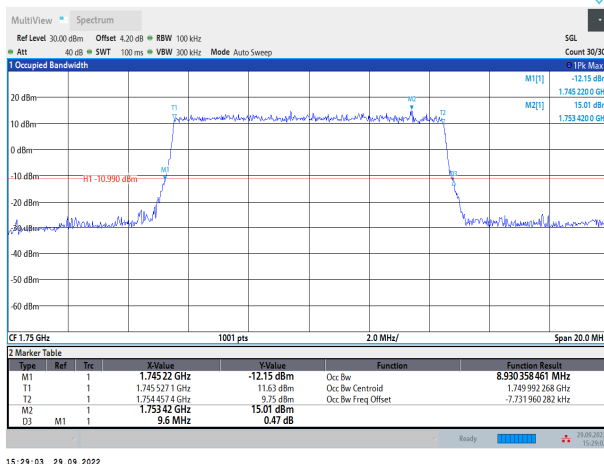


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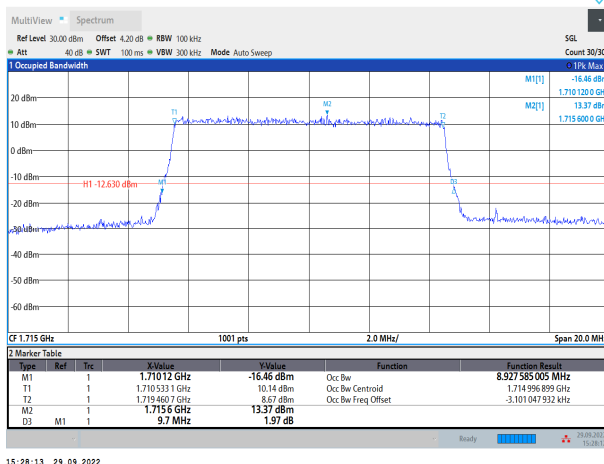
Rev.: 01

Page: 44 of 82

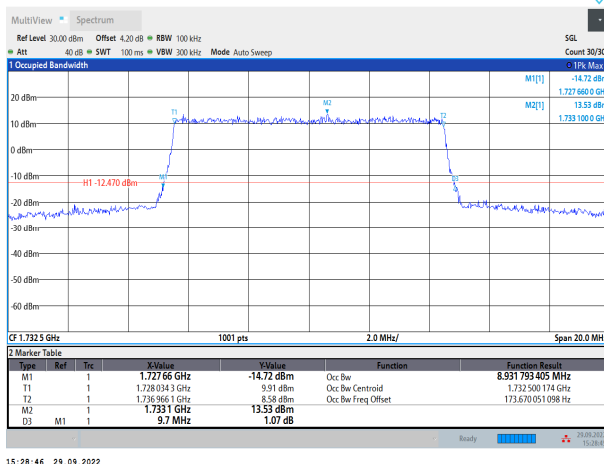
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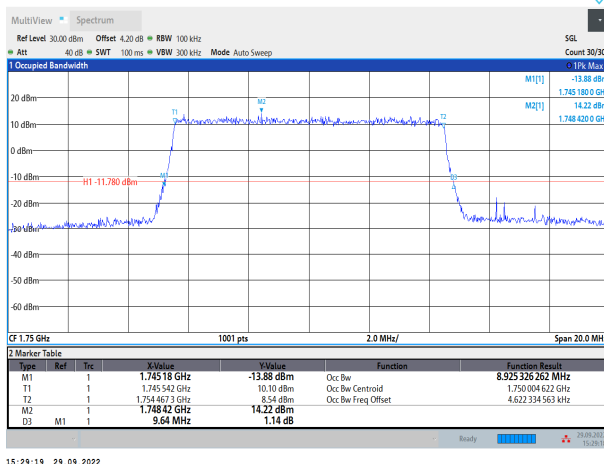
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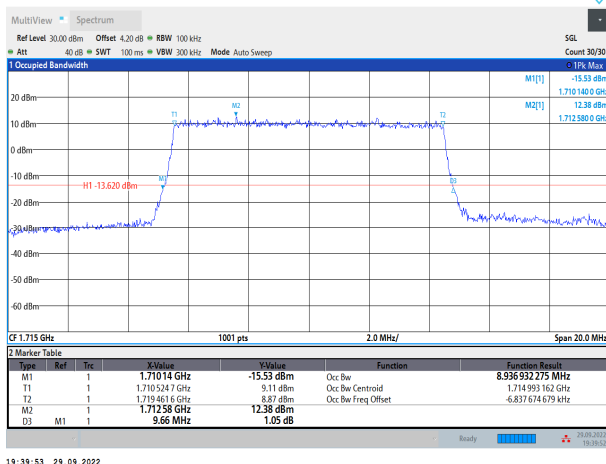
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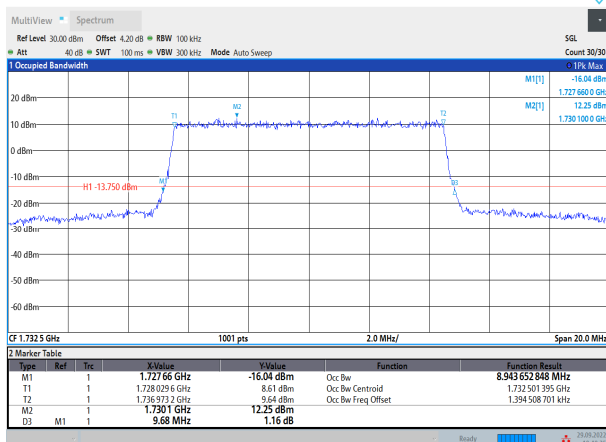
Page: 46 of 82

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



19:39:53 29.09.2022

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



19:40:26 29.09.2022



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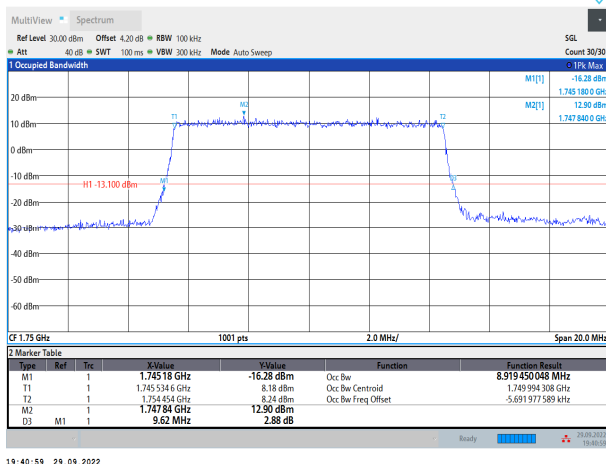
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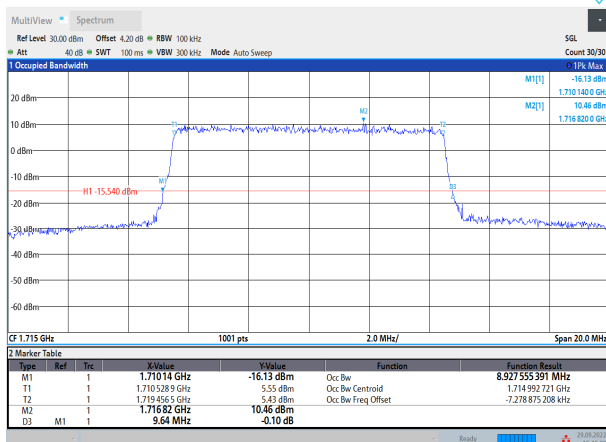
Page: 47 of 82

Band4-10MHz-64QAM-20350-50RB#0



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Band4-10MHz-256QAM-20000-50RB#0



19:40:09 29.09.2022

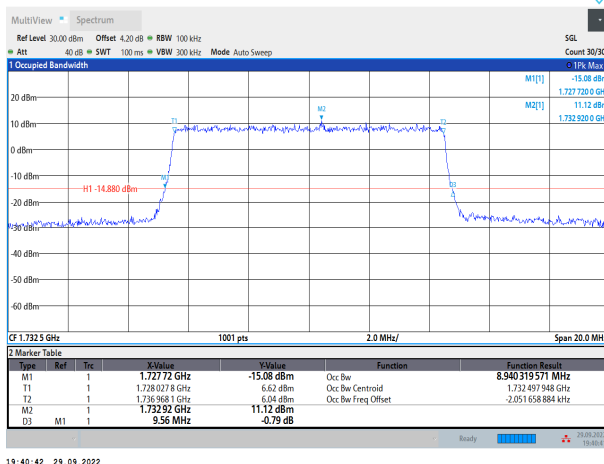


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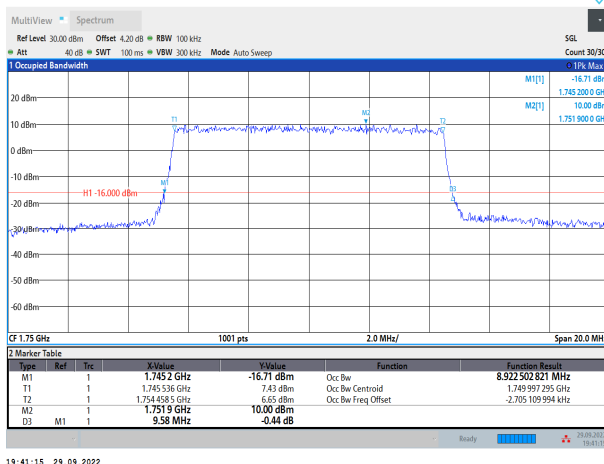
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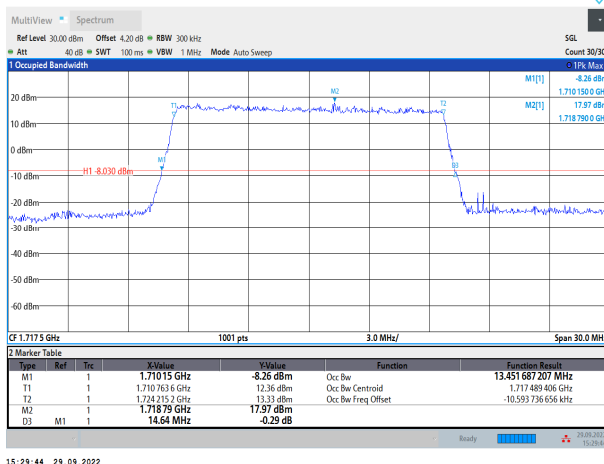
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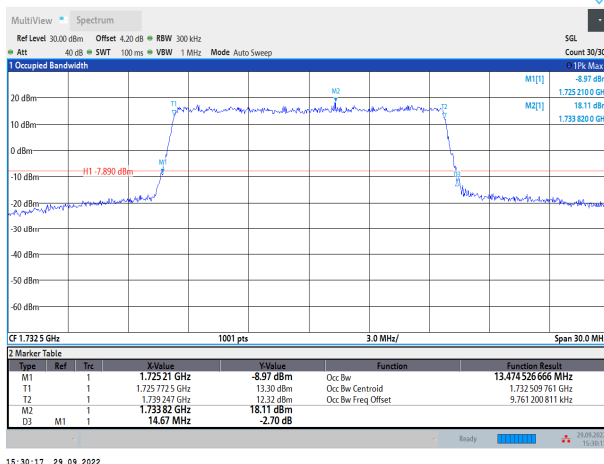
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Page: 49 of 82

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



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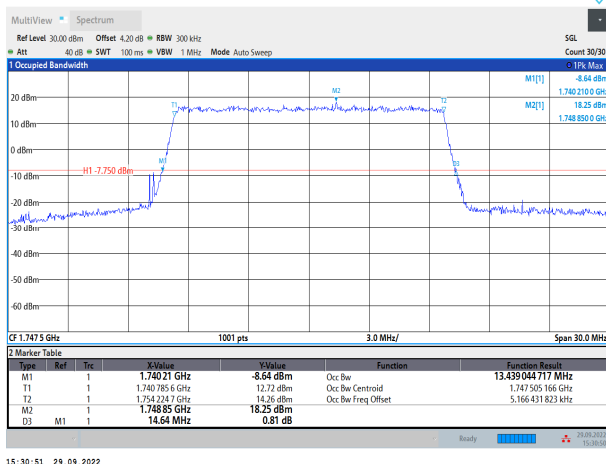


Report No.: SEWM2210000205RG01

Rev.: 01

Page: 50 of 82

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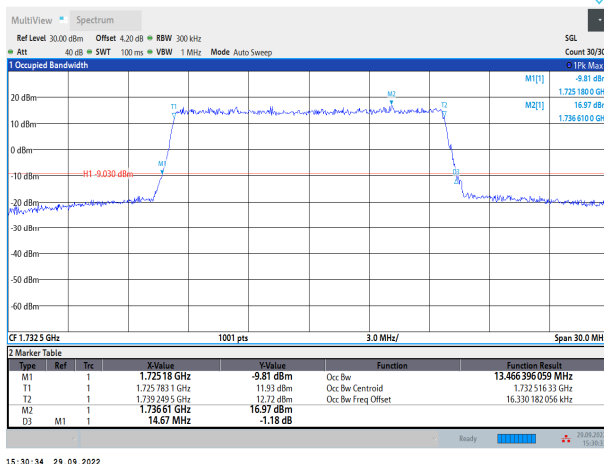


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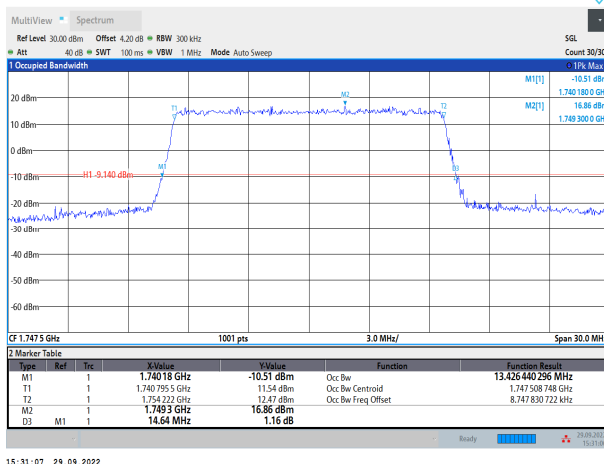
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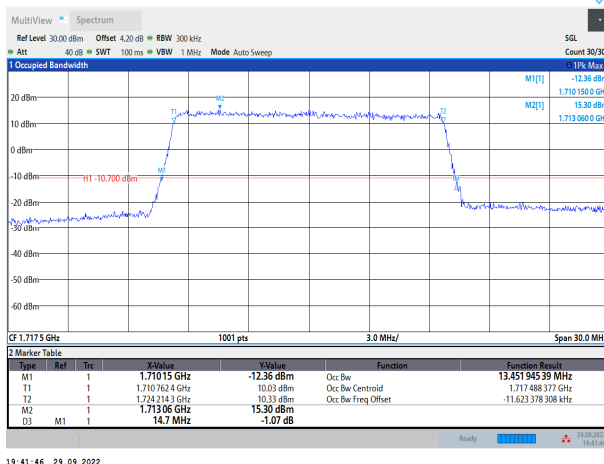


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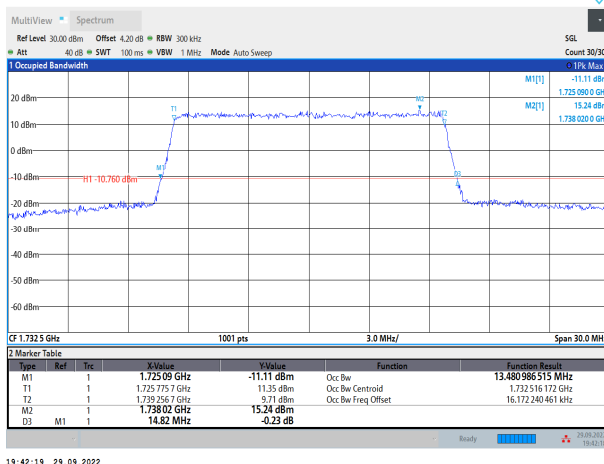
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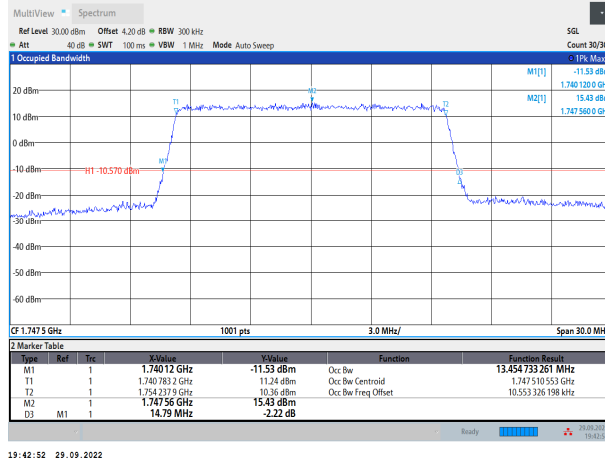


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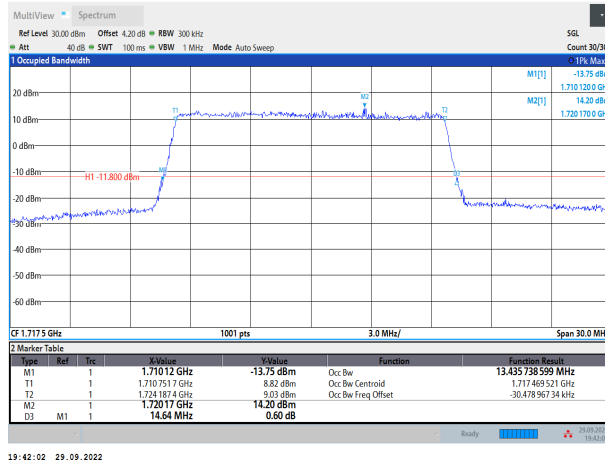
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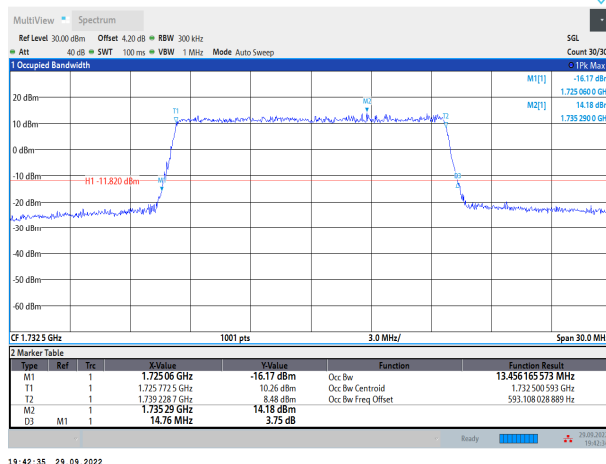
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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 54 of 82

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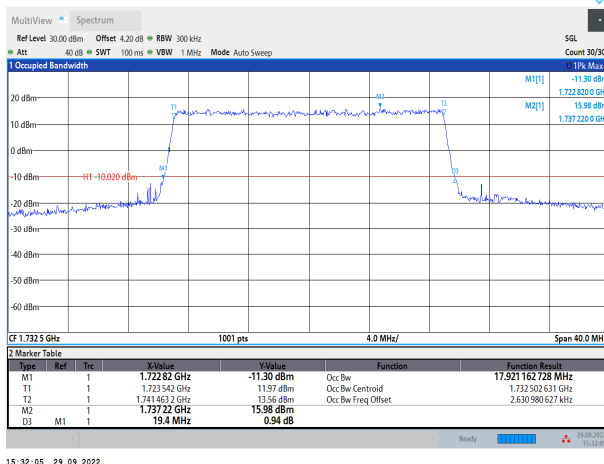
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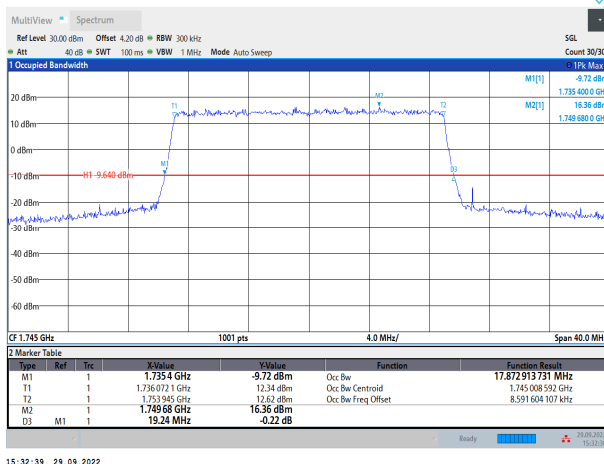


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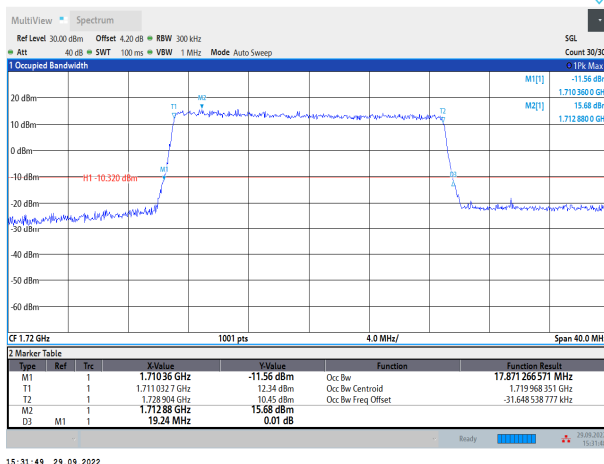
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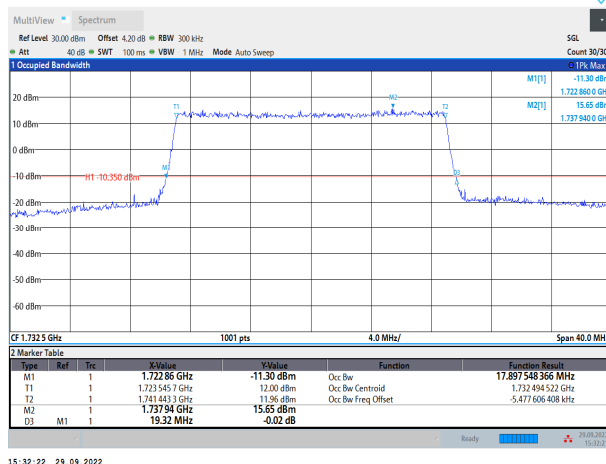


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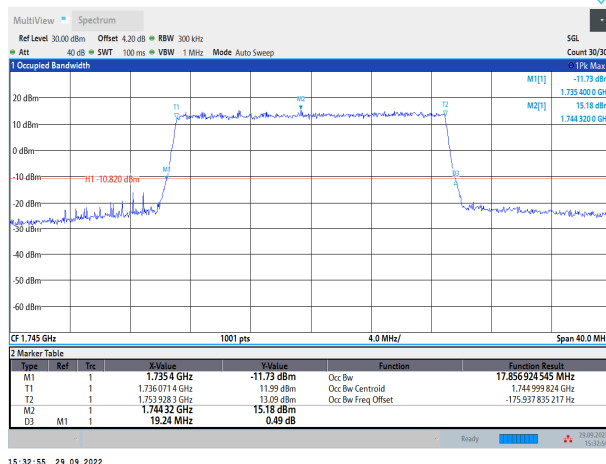
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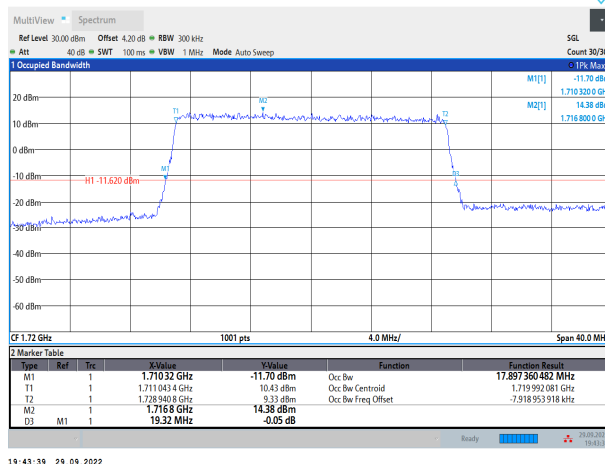
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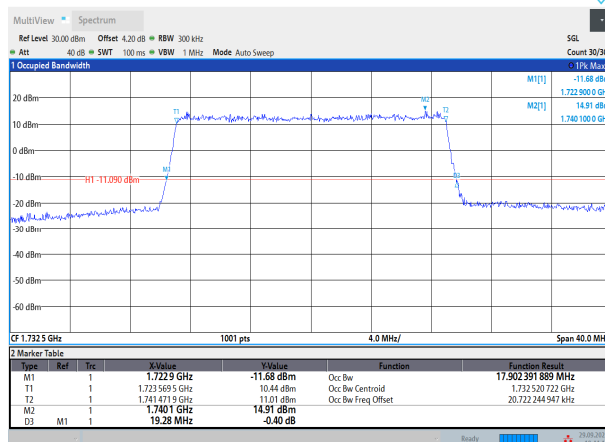
Page: 58 of 82

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



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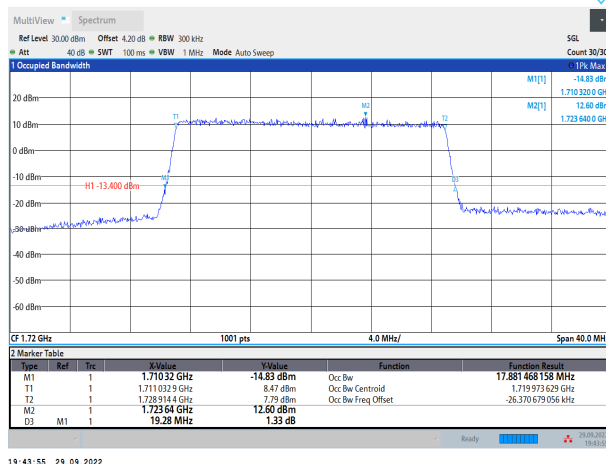
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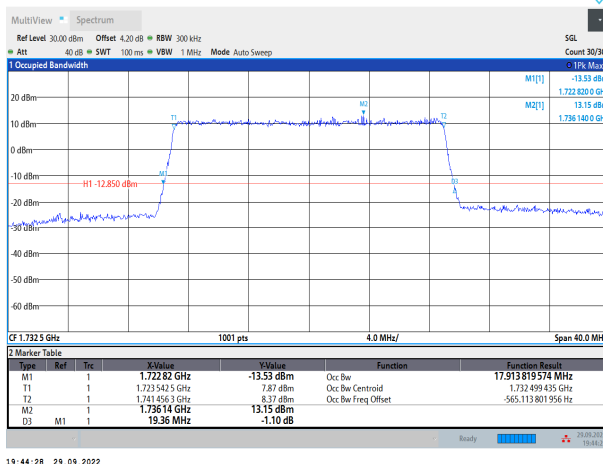
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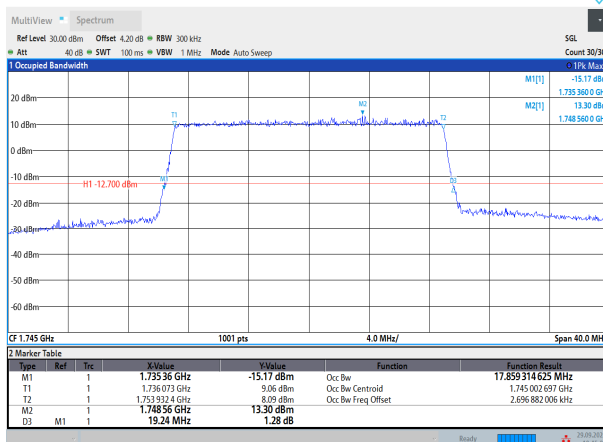
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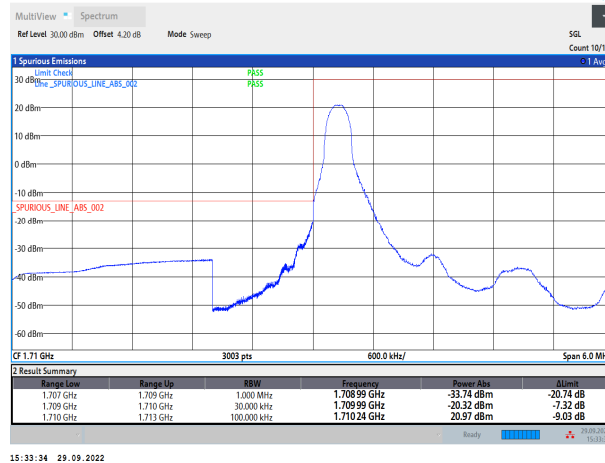
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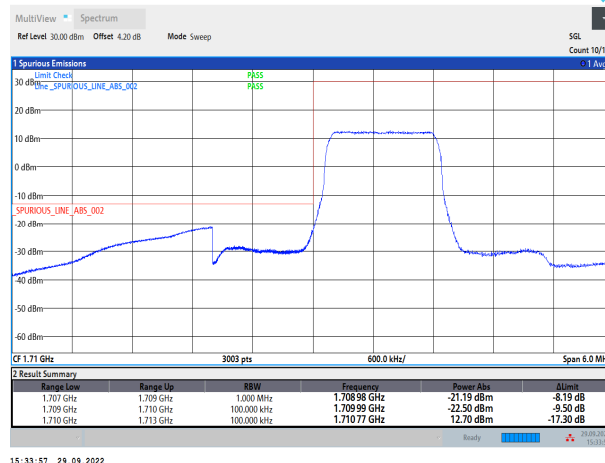
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Test Graphs

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



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



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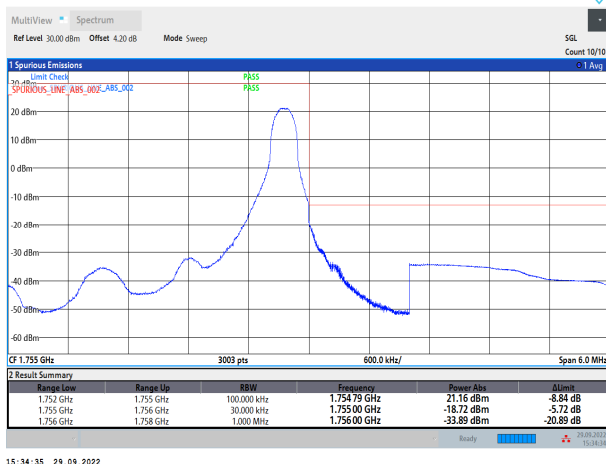
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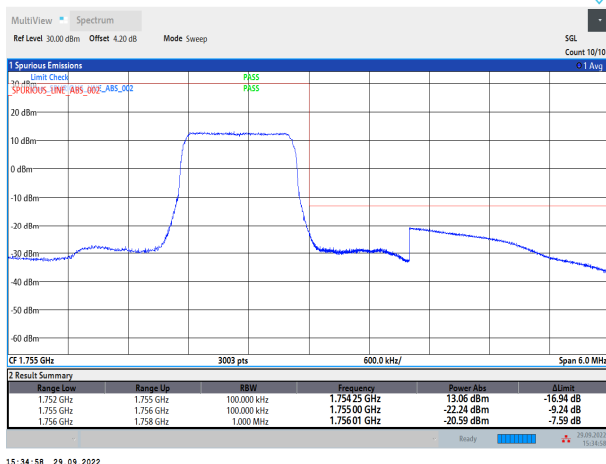
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Page: 62 of 82

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



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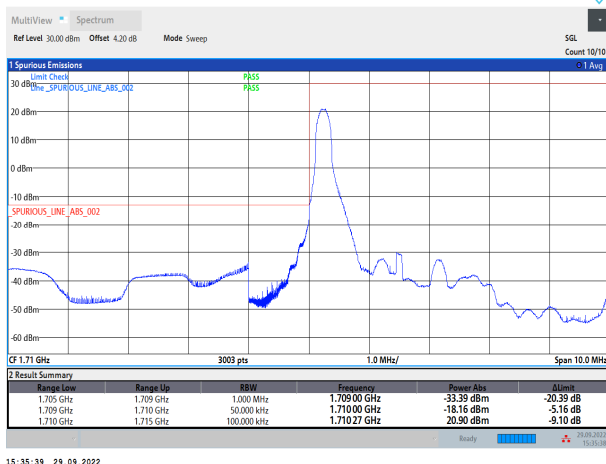
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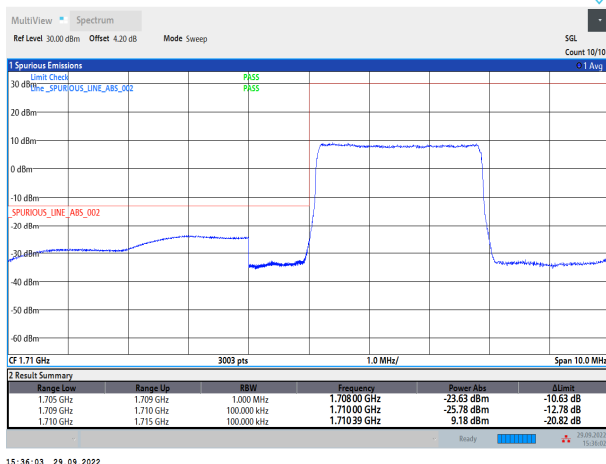
Rev.: 01

Page: 63 of 82

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



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



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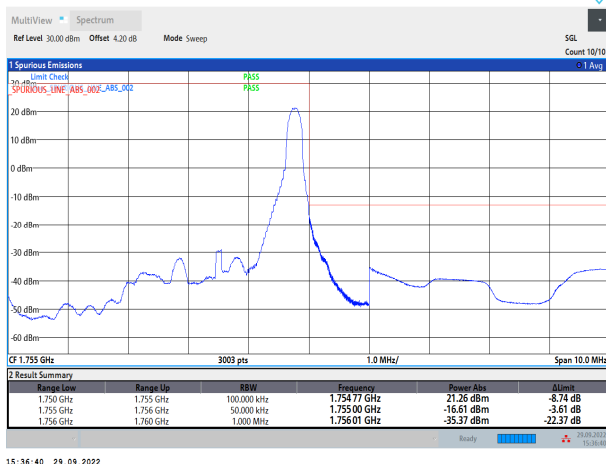
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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 64 of 82

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



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



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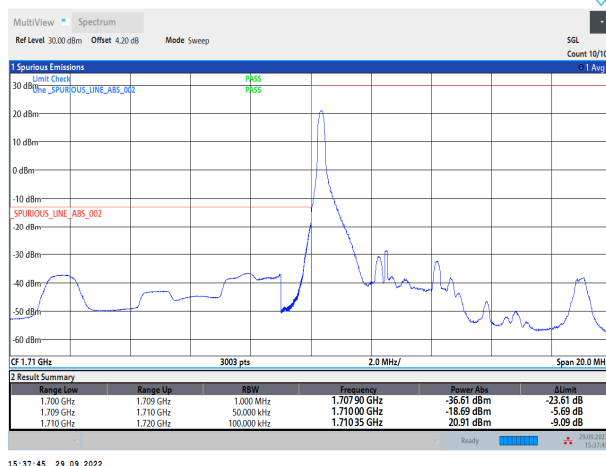
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Rev.: 01

Page: 65 of 82

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



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



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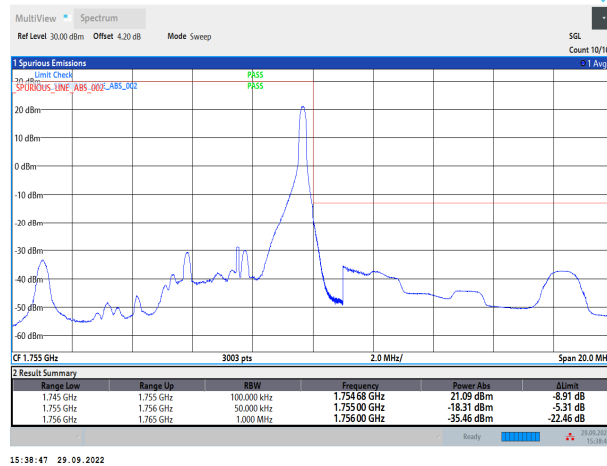
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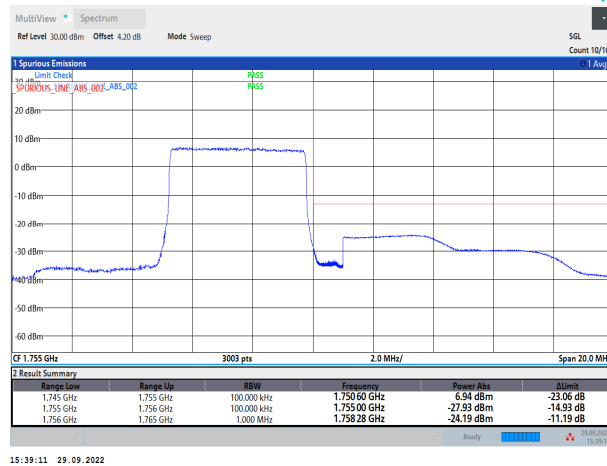
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Band4-5MHz-QPSK-20375-25RB#0



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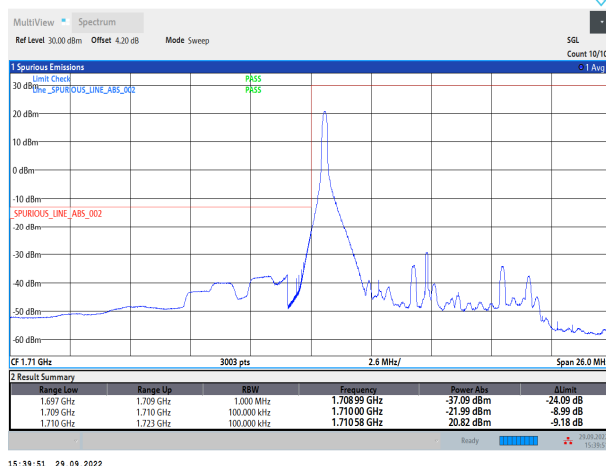
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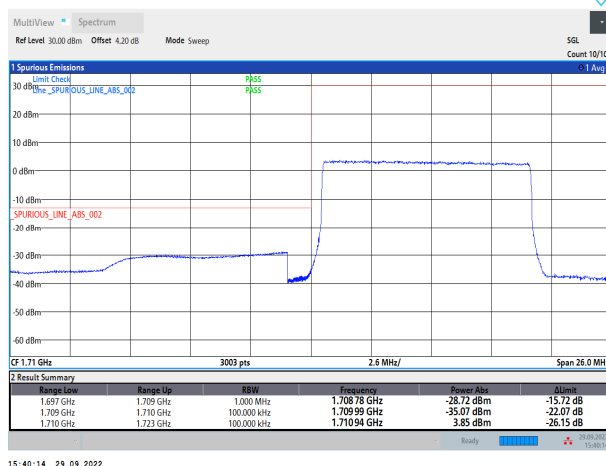
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Band4-10MHz-QPSK-20000-1RB#0



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



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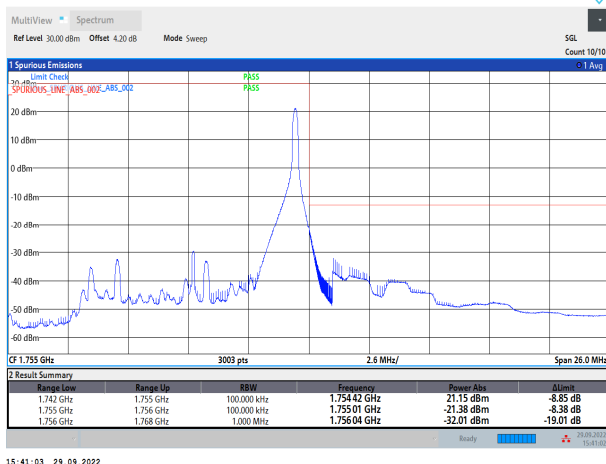
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Rev.: 01

Page: 68 of 82

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



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



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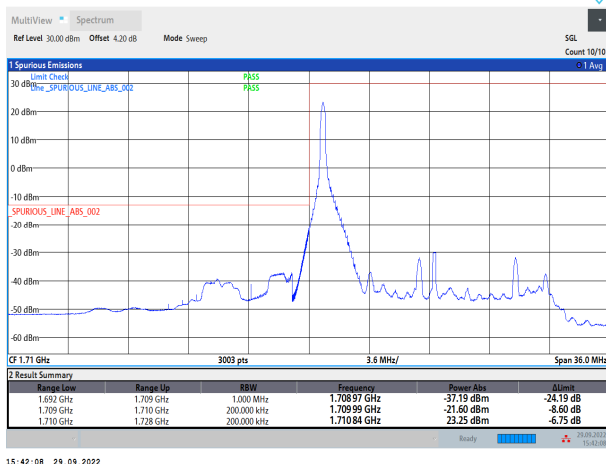
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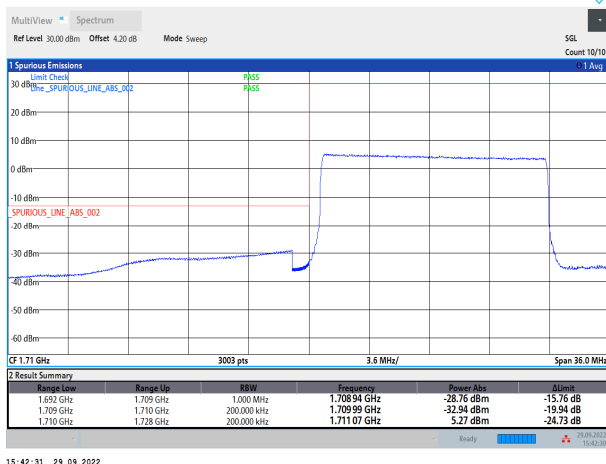
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Band4-15MHz-QPSK-20025-1RB#0



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



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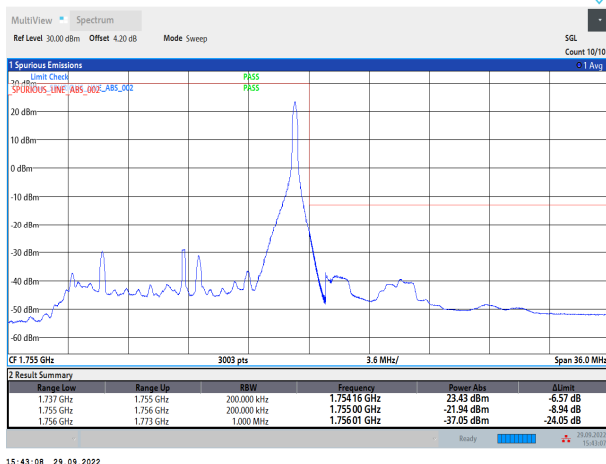
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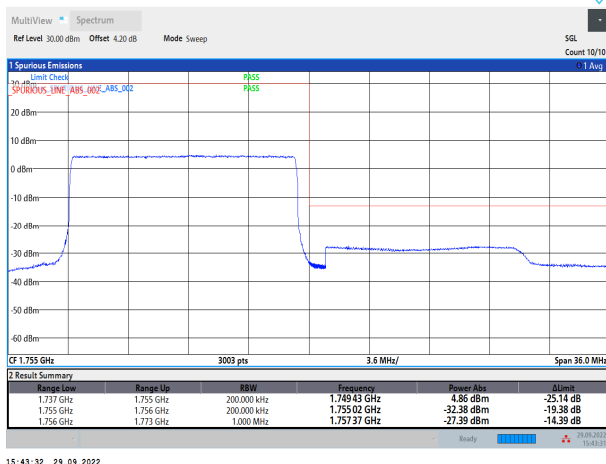
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Band4-15MHz-QPSK-20325-1RB#74



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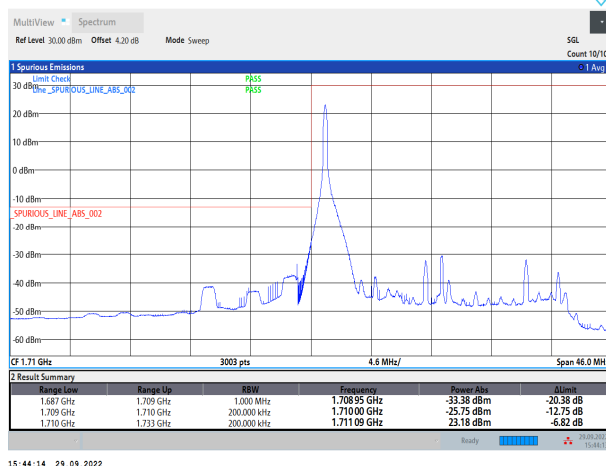
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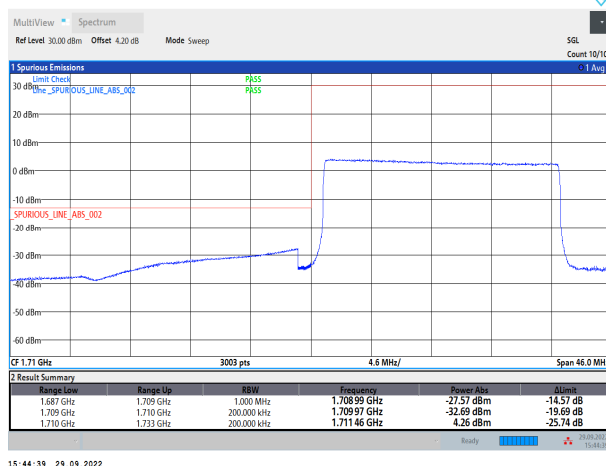
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Band4-20MHz-QPSK-20050-1RB#0



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



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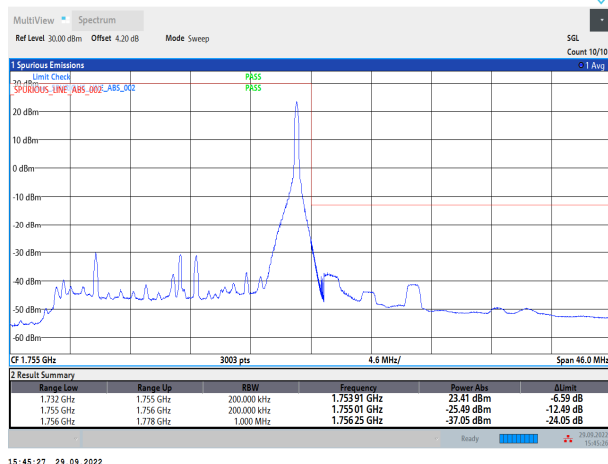
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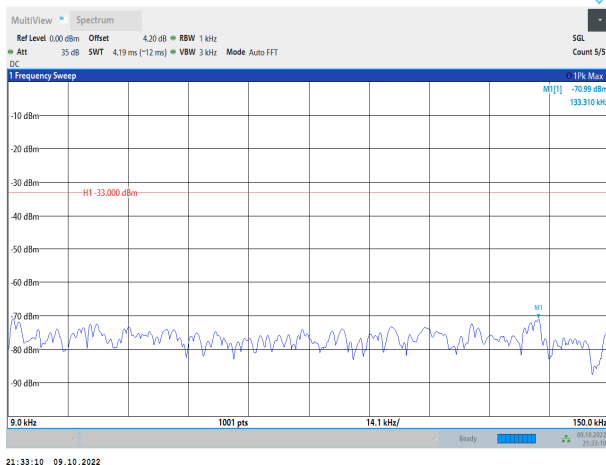
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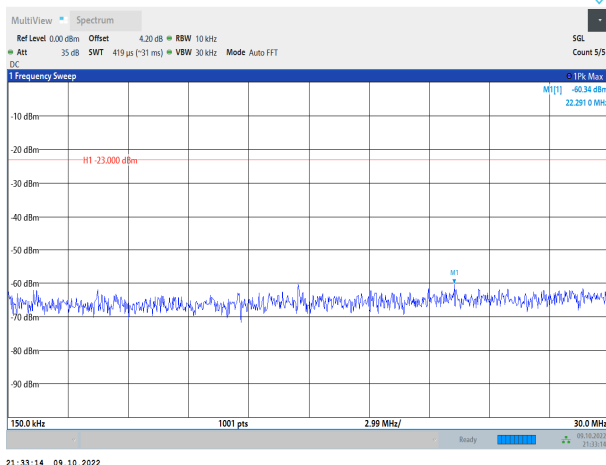
Conducted Spurious Emission

Test Graphs

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



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



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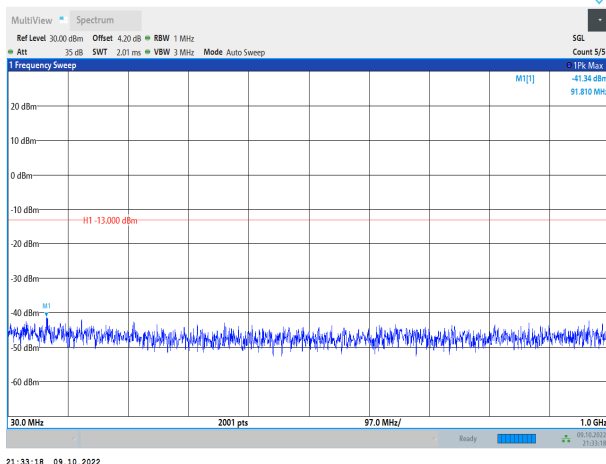
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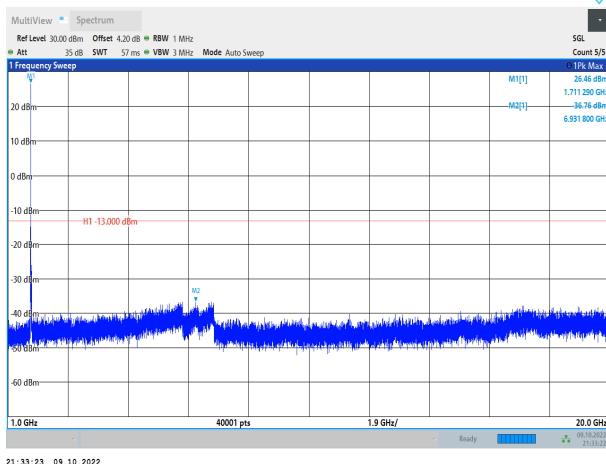
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Page: 74 of 82

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



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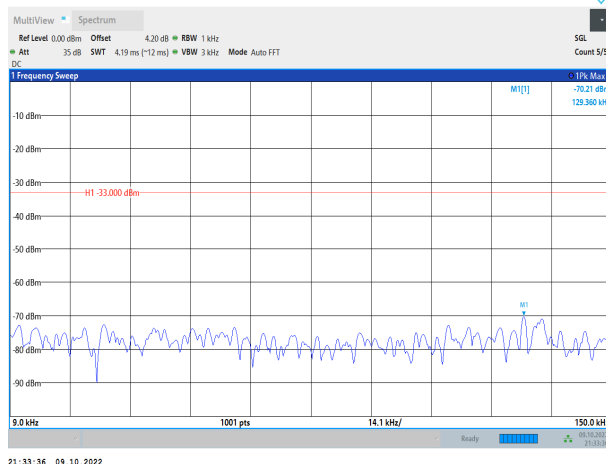
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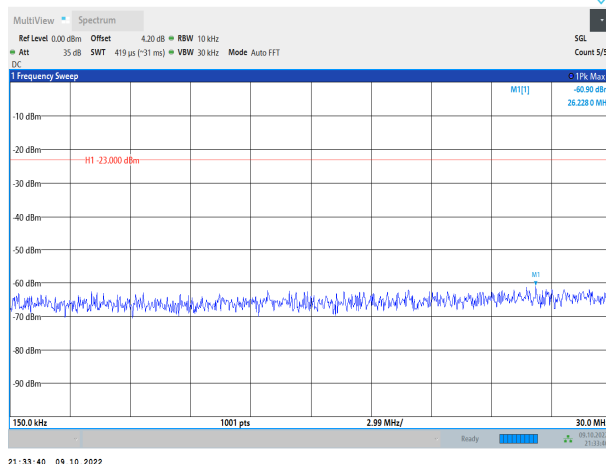
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Page: 75 of 82

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



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



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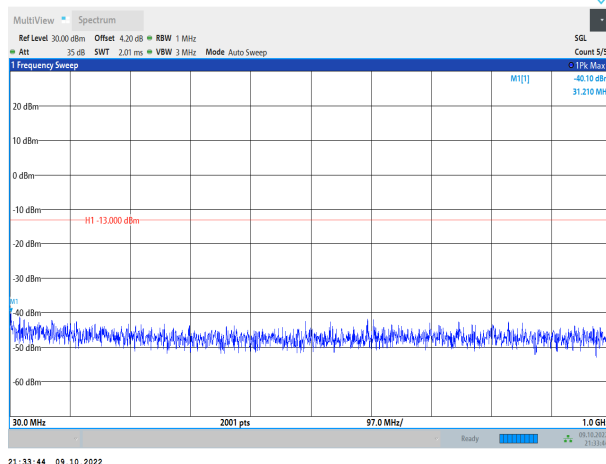
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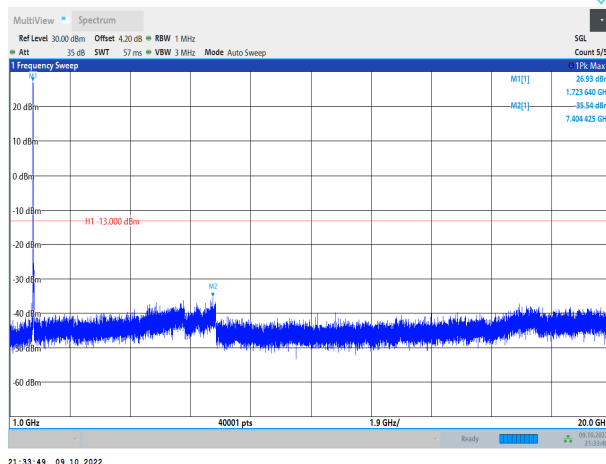
Rev.: 01

Page: 76 of 82

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



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



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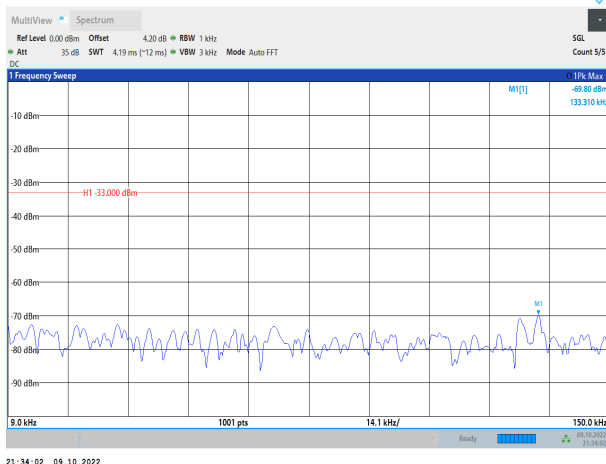
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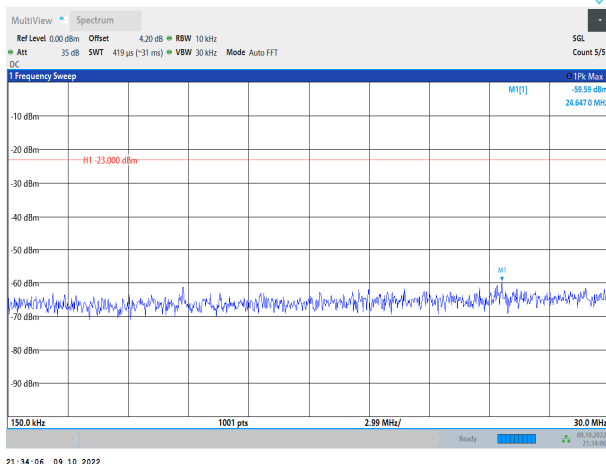
Rev.: 01

Page: 77 of 82

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



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



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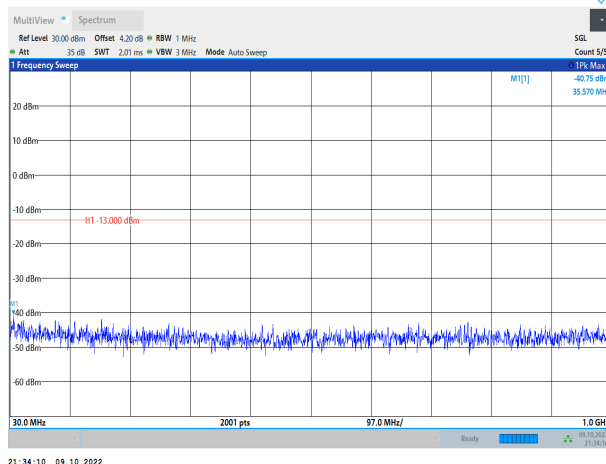
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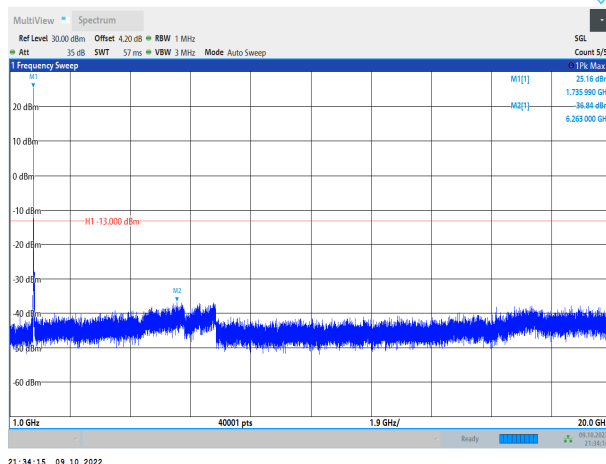
Rev.: 01

Page: 78 of 82

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



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



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Report No.: SEWM2210000205RG01
 Rev.: 01
 Page: 79 of 82

Field Strength of Spurious Radiation

Test Band = LTE Band4_ TM1

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	57.92	-46.28	29.45	-54.17	-13.00	41.17	156	4	Horizontal
2	5133.2700	47.00	-45.34	32.95	-60.65	-13.00	47.65	213	44	Horizontal
3	6844.3600	49.21	-44.14	35.89	-54.30	-13.00	41.30	145	358	Horizontal
4	8555.4500	42.31	-41.46	37.66	-56.75	-13.00	43.75	166	44	Horizontal
5	10266.5400	36.79	-39.23	38.83	-58.87	-13.00	45.87	291	359	Horizontal
6	11977.6300	31.57	-37.51	38.95	-62.26	-13.00	49.26	142	4	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	64.19	-46.28	29.45	-47.90	-13.00	34.90	158	287	Vertical
2	5133.2700	48.38	-45.34	32.95	-59.27	-13.00	46.27	162	182	Vertical
3	6844.3600	53.06	-44.14	35.89	-50.45	-13.00	37.45	148	104	Vertical
4	8555.4500	43.01	-41.46	37.66	-56.05	-13.00	43.05	132	4	Vertical
5	10266.5400	40.53	-39.23	38.83	-55.13	-13.00	42.13	188	344	Vertical
6	11977.6300	32.09	-37.51	38.95	-61.74	-13.00	48.74	190	182	Vertical



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Report No.: SEWM2210000205RG01
 Rev.: 01
 Page: 80 of 82

Test Band = LTE Band4_ TM1

Test Channel = Mid

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	57.26	-46.27	29.47	-54.80	-13.00	41.80	122	258	Horizontal
2	5170.7700	47.18	-45.31	32.97	-60.41	-13.00	47.41	148	273	Horizontal
3	6894.3600	47.81	-44.10	35.95	-55.60	-13.00	42.60	215	138	Horizontal
4	8617.9500	42.41	-41.40	37.78	-56.47	-13.00	43.47	185	227	Horizontal
5	10341.5400	37.28	-39.06	38.85	-58.19	-13.00	45.19	142	61	Horizontal
6	12065.1300	32.35	-37.44	39.02	-61.33	-13.00	48.33	173	242	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	64.11	-46.27	29.47	-47.95	-13.00	34.95	129	360	Vertical
2	5170.7700	50.55	-45.31	32.97	-57.04	-13.00	44.04	175	102	Vertical
3	6894.3600	51.93	-44.10	35.95	-51.48	-13.00	38.48	142	118	Vertical
4	8617.9500	43.15	-41.40	37.78	-55.73	-13.00	42.73	132	102	Vertical
5	10341.5400	42.46	-39.06	38.85	-53.01	-13.00	40.01	166	59	Vertical
6	12065.1300	34.17	-37.44	39.02	-59.51	-13.00	46.51	102	357	Vertical



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 81 of 82

Test Band = LTE Band4_ TM1

Test Channel = High

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	59.16	-46.27	29.50	-52.87	-13.00	39.87	186	136	Horizontal
2	5208.2700	47.64	-45.26	32.98	-59.90	-13.00	46.90	145	30	Horizontal
3	6944.3600	47.55	-43.85	36.01	-55.55	-13.00	42.55	162	105	Horizontal
4	8680.4500	41.98	-41.62	37.88	-57.02	-13.00	44.02	185	75	Horizontal
5	10416.5400	36.99	-38.97	38.88	-58.37	-13.00	45.37	194	360	Horizontal
6	12152.6300	35.22	-37.42	39.09	-58.37	-13.00	45.37	173	120	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	65.97	-46.27	29.50	-46.06	-13.00	33.06	255	288	Vertical
2	5208.2700	50.37	-45.26	32.98	-57.17	-13.00	44.17	148	105	Vertical
3	6944.3600	48.50	-43.85	36.01	-54.60	-13.00	41.60	168	166	Vertical
4	8680.4500	42.81	-41.62	37.88	-56.19	-13.00	43.19	152	274	Vertical
5	10416.5400	43.37	-38.97	38.88	-51.99	-13.00	38.99	142	335	Vertical
6	12152.6300	33.83	-37.42	39.09	-59.76	-13.00	46.76	139	319	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamp (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Report No.: SEWM2210000205RG01

Rev.: 01

Page: 82 of 82

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	3.00	0.001732	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-6.40	-0.003694	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.90	-0.000519	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	9.80	0.005657	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-5.20	-0.003001	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-2.40	-0.001385	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-5.40	-0.003117	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-5.10	-0.002944	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	2.70	0.001558	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.20	0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-5.70	-0.003290	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.00	0.001154	PASS

---End of Attachment---



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