



Report No.: SEWA2212000096RG01

Rev.: 01

Page: 1 of 53

Appendix B.7

LTE Band 66



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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
Band66	1.4MHz	QPSK	131979	1RB#0	23.6	25.28	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.58	25.26	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.64	25.32	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.66	24.34	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.35	25.03	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.32	25	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.3	24.98	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.3	23.98	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.45	25.13	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.44	25.12	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.38	25.06	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.47	24.15	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.85	24.53	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	23.04	24.72	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.98	24.66	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.8	23.48	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.59	24.27	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.54	24.22	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.49	24.17	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.5	23.18	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.74	24.42	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.73	24.41	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.6	24.28	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.63	23.31	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.46	25.14	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.77	25.45	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.6	25.28	30	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 3 of 53

Band66	3MHz	QPSK	131987	15RB#0	22.75	24.43	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.25	24.93	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.35	25.03	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.19	24.87	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.25	23.93	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.47	25.15	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.57	25.25	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.31	24.99	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.53	24.21	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.76	24.44	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	23.01	24.69	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.92	24.6	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.86	23.54	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.57	24.25	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.65	24.33	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.38	24.06	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.39	23.07	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.66	24.34	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.83	24.51	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.57	24.25	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.61	23.29	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.33	25.01	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.86	25.54	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.91	25.59	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.9	24.58	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.51	25.19	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.4	25.08	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.43	25.11	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.4	24.08	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.7	25.38	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.61	25.29	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.49	25.17	30	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 4 of 53

Band66	5MHz	QPSK	132647	25RB#0	22.66	24.34	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	23.14	24.82	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	23.05	24.73	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	23.17	24.85	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	22.03	23.71	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.78	24.46	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.67	24.35	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.65	24.33	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.52	23.2	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.97	24.65	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.96	24.64	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.78	24.46	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.73	23.41	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.57	25.25	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.8	25.48	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.91	25.59	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.89	24.57	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.46	25.14	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.46	25.14	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.57	25.25	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.48	24.16	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.59	25.27	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.73	25.41	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.54	25.22	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.65	24.33	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.95	24.63	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	23.14	24.82	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	23.28	24.96	30	PASS
Band66	10MHz	16QAM	132022	27RB#0	23.39	25.07	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.63	24.31	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.8	24.48	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.69	24.37	30	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 5 of 53

Band66	10MHz	16QAM	132322	27RB#0	23.07	24.75	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.92	24.6	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.98	24.66	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.89	24.57	30	PASS
Band66	10MHz	16QAM	132622	27RB#0	23.17	24.85	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.57	25.25	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.84	25.52	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.92	25.6	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	23.05	24.73	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.4	25.08	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.48	25.16	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.53	25.21	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.48	24.16	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.5	25.18	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.75	25.43	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.57	25.25	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.75	24.43	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.83	24.51	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	23	24.68	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	23.11	24.79	30	PASS
Band66	15MHz	16QAM	132047	27RB#0	22.63	24.31	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.58	24.26	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.64	24.32	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.62	24.3	30	PASS
Band66	15MHz	16QAM	132322	27RB#0	21.58	23.26	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.7	24.38	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.88	24.56	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.73	24.41	30	PASS
Band66	15MHz	16QAM	132597	27RB#0	21.56	23.24	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.55	25.23	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.93	25.61	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	24.01	25.69	30	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 6 of 53

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Band66	20MHz	QPSK	132322	1RB#0	23.46	25.14	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.48	25.16	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.56	25.24	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.53	24.21	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.25	24.93	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.7	25.38	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.64	25.32	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.78	24.46	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.73	24.41	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.12	24.8	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	23.19	24.87	30	PASS
Band66	20MHz	16QAM	132072	27RB#0	22.36	24.04	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.58	24.26	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.67	24.35	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.73	24.41	30	PASS
Band66	20MHz	16QAM	132322	27RB#0	21.89	23.57	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.47	24.15	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.8	24.48	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.87	24.55	30	PASS
Band66	20MHz	16QAM	132572	27RB#0	21.56	23.24	30	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 7 of 53

Peak-to-Average Ratio(CCDF)

Test Result

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Band66	20MHz	QPSK	132072	100RB#0	5.30	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.58	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.30	13	PASS



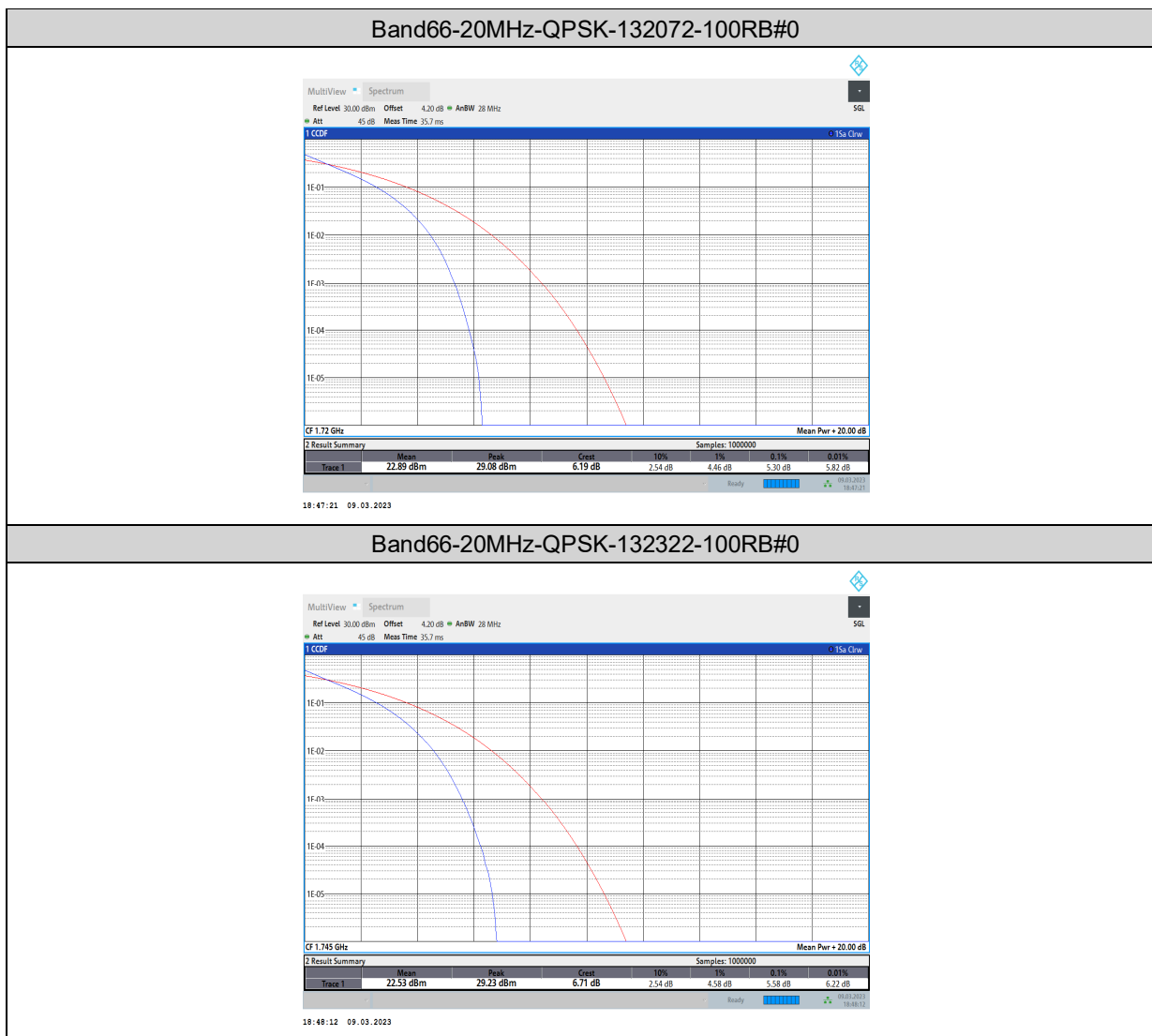
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Report No.: SEWA2212000096RG01
Rev.: 01
Page: 8 of 53

Test Graphs



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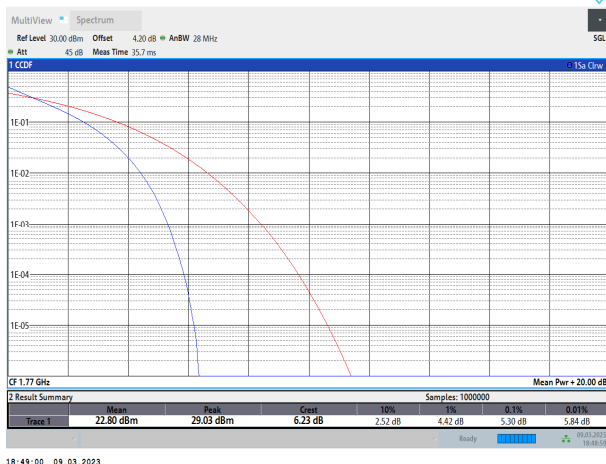
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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 9 of 53

Band66-20MHz-QPSK-132572-100RB#0



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 10 of 53

Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band66	5MHz	QPSK	132322	25RB#0	PASS	PASS
Band66	5MHz	16QAM	132322	25RB#0	PASS	PASS



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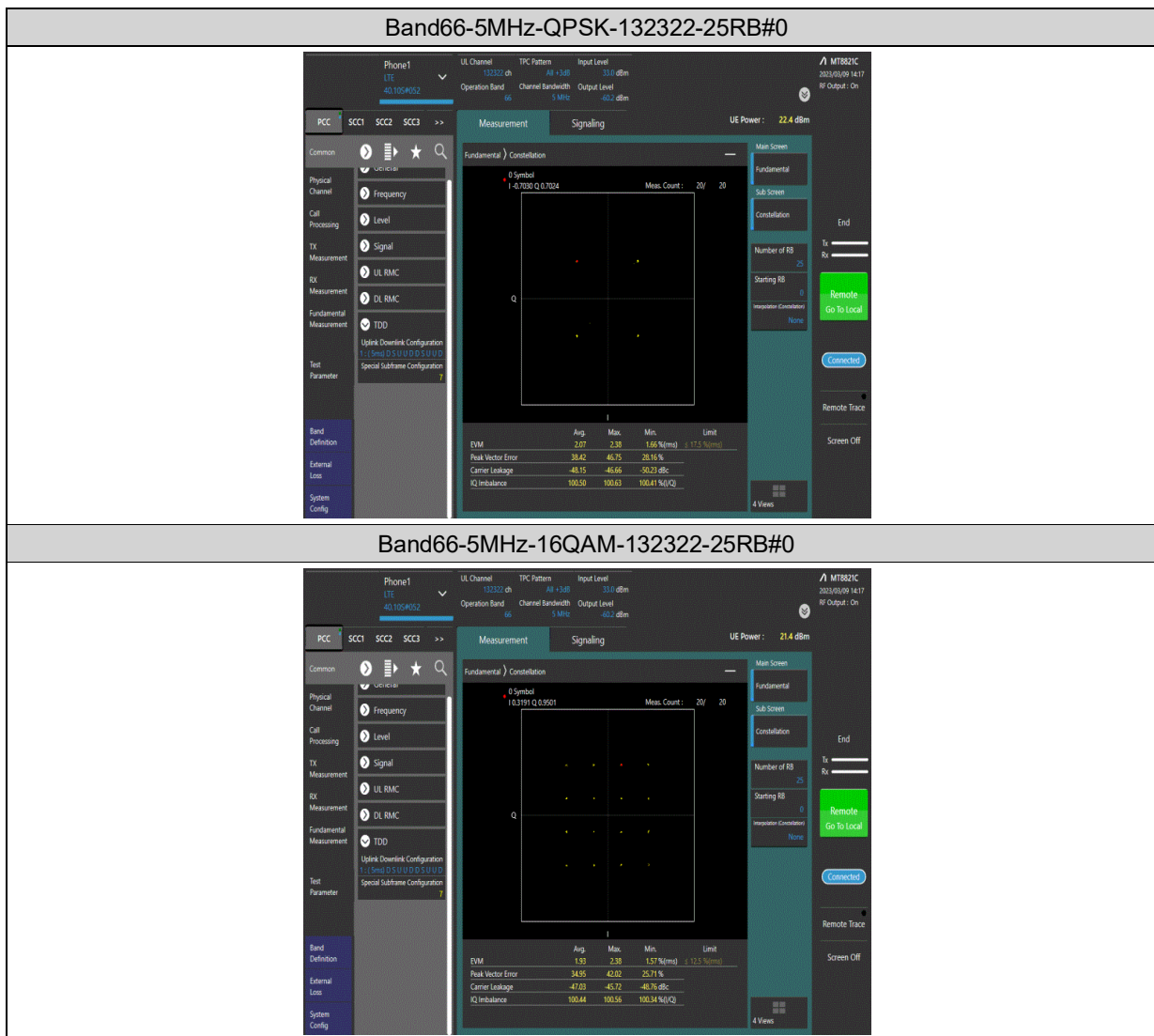
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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 11 of 53

Test Graphs



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.088	1.29	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.088	1.29	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.087	1.29	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.097	1.31	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.096	1.31	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.096	1.31	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.694	3.01	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.695	2.98	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.697	3.01	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.689	3.04	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.688	3.02	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.689	3.02	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.465	4.92	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.469	4.91	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.466	4.91	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.467	4.98	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.467	4.95	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.463	5.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.944	9.90	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.943	9.96	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.946	9.86	PASS
Band66	10MHz	16QAM	132022	27RB#0	4.888	5.92	PASS
Band66	10MHz	16QAM	132322	27RB#0	4.873	5.86	PASS
Band66	10MHz	16QAM	132622	27RB#0	4.87	5.88	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.503	15.27	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.512	15.36	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.5	15.36	PASS
Band66	15MHz	16QAM	132047	27RB#0	5.218	6.87	PASS
Band66	15MHz	16QAM	132322	27RB#0	5.222	6.75	PASS
Band66	15MHz	16QAM	132597	27RB#0	5.216	6.87	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.919	20.08	PASS



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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 13 of 53

Band66	20MHz	QPSK	132322	100RB#0	17.953	19.88	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.925	20.20	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.248	7.04	PASS
Band66	20MHz	16QAM	132322	27RB#0	5.255	7.12	PASS
Band66	20MHz	16QAM	132572	27RB#0	5.254	7.24	PASS



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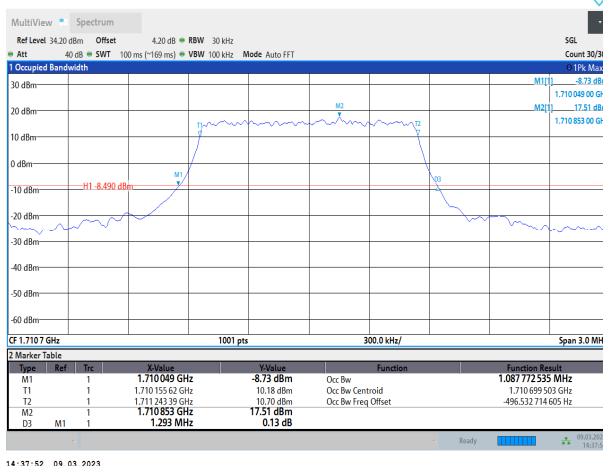
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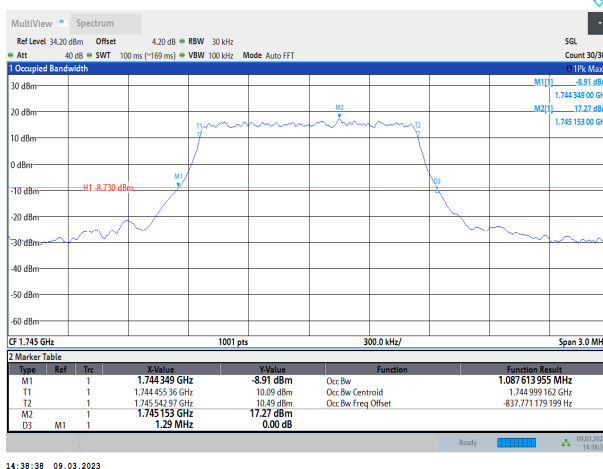
Page: 14 of 53

Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0



Band66-1.4MHz-QPSK-132322-6RB#0



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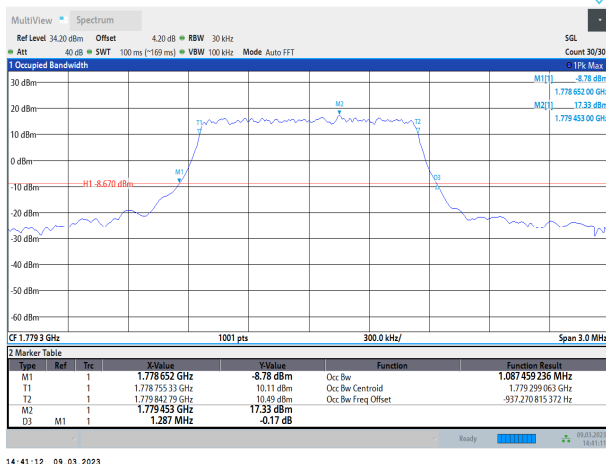
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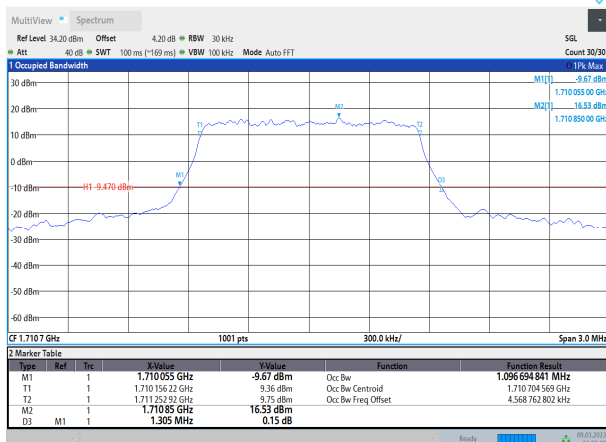
Page: 15 of 53

Band66-1.4MHz-QPSK-132665-6RB#0



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Band66-1.4MHz-16QAM-131979-6RB#0



14:38:09 09.03.2023



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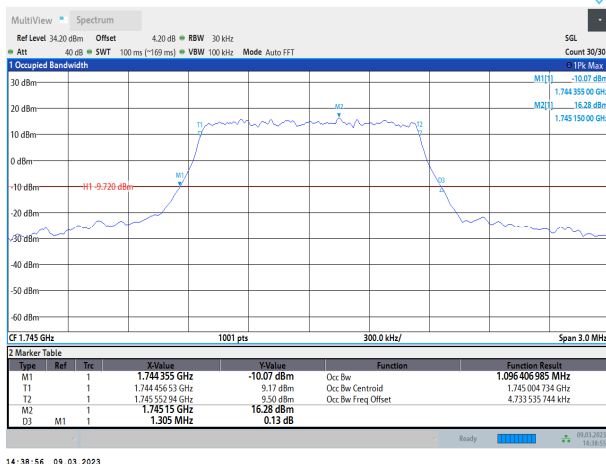
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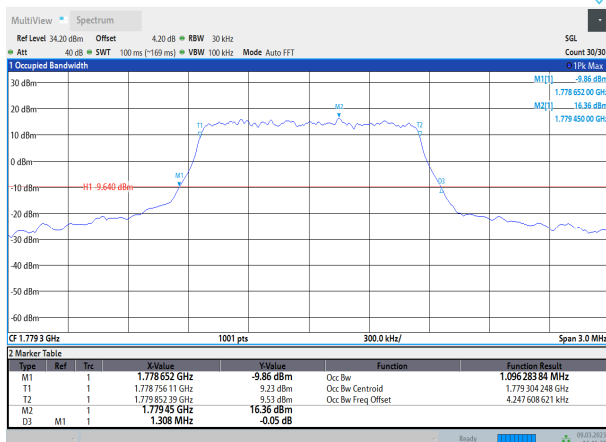
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Band66-1.4MHz-16QAM-132322-6RB#0



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Band66-1.4MHz-16QAM-132665-6RB#0



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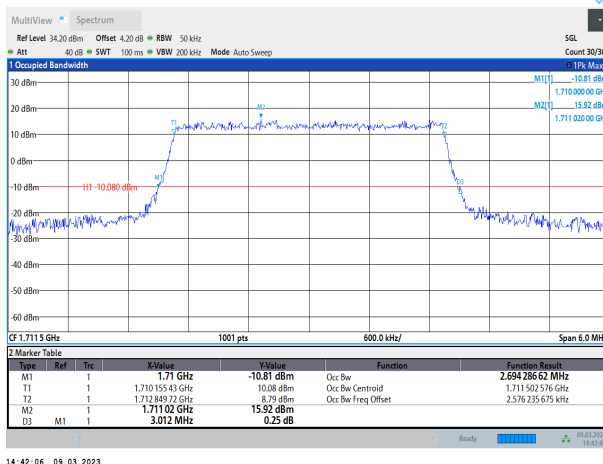
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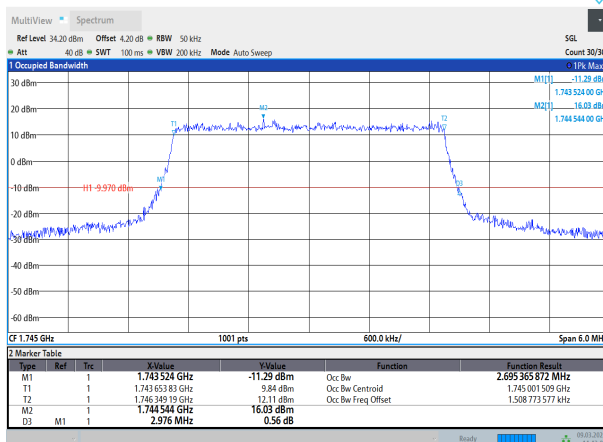
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Band66-3MHz-QPSK-131987-15RB#0



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Band66-3MHz-QPSK-132322-15RB#0



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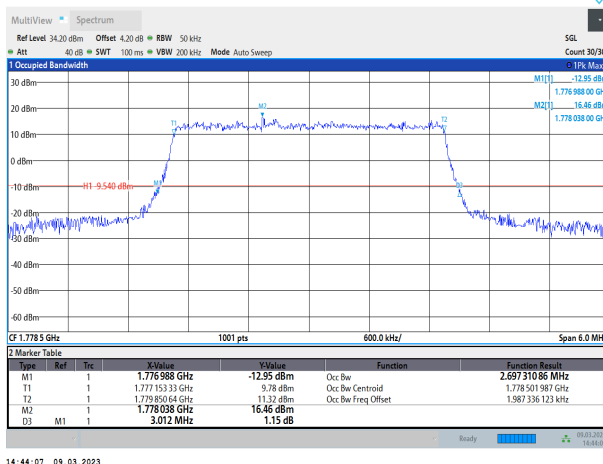
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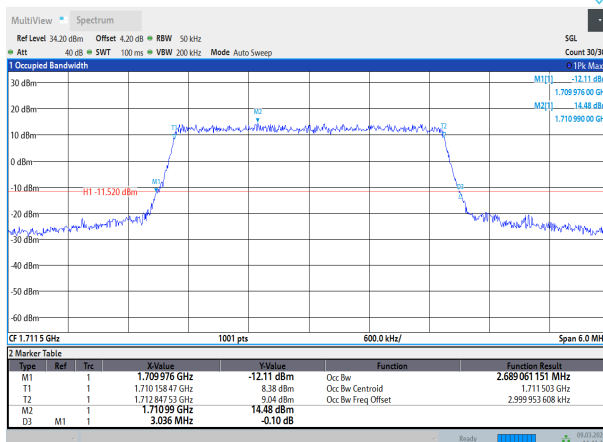
Page: 18 of 53

Band66-3MHz-QPSK-132657-15RB#0



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Band66-3MHz-16QAM-131987-15RB#0



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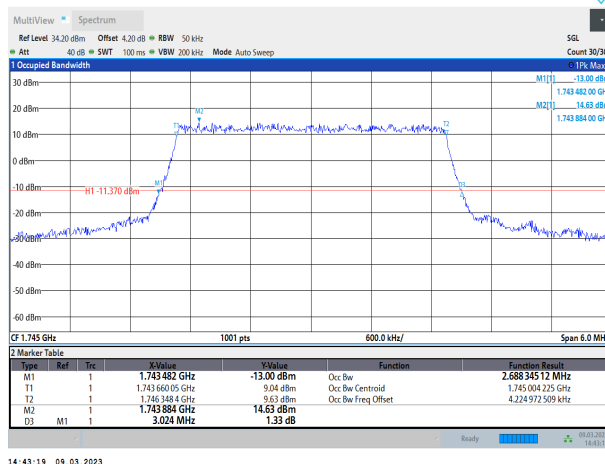
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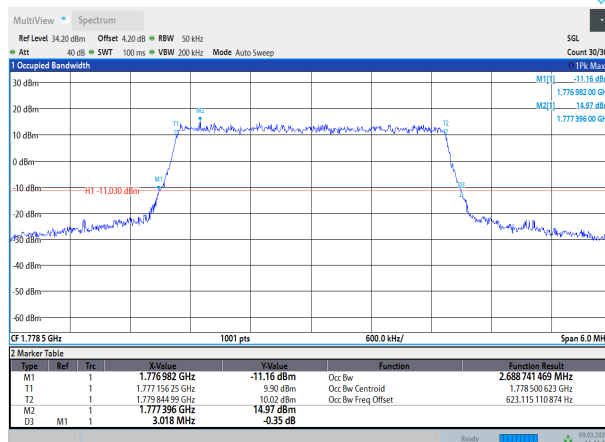
Page: 19 of 53

Band66-3MHz-16QAM-132322-15RB#0



14: 43: 19 09. 03. 2023

Band66-3MHz-16QAM-132657-15RB#0



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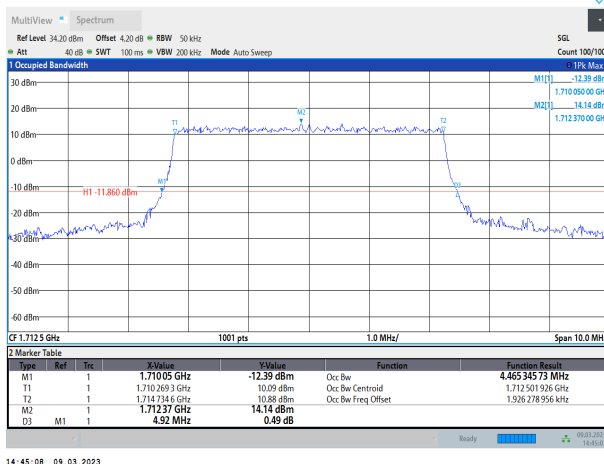
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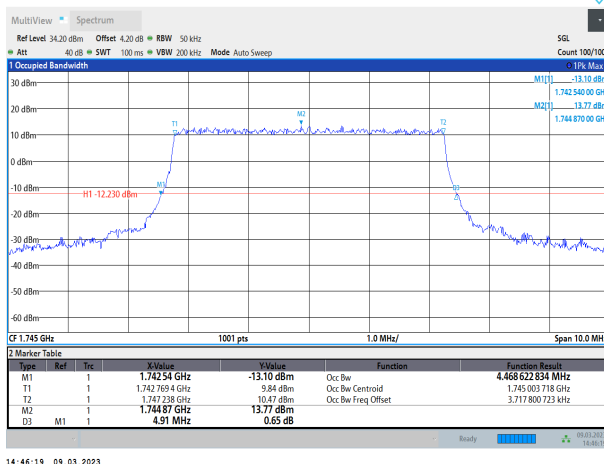
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Page: 20 of 53

Band66-5MHz-QPSK-131997-25RB#0



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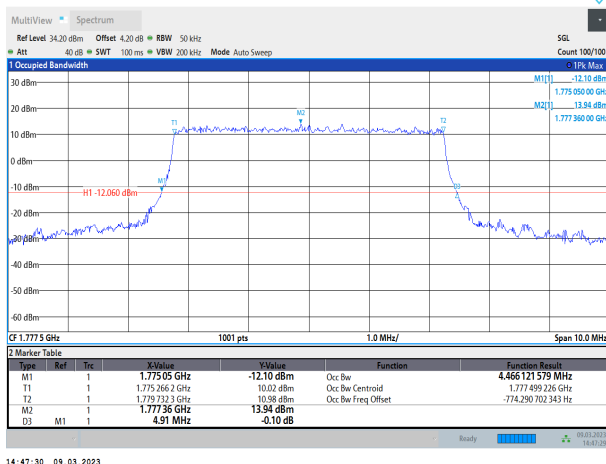
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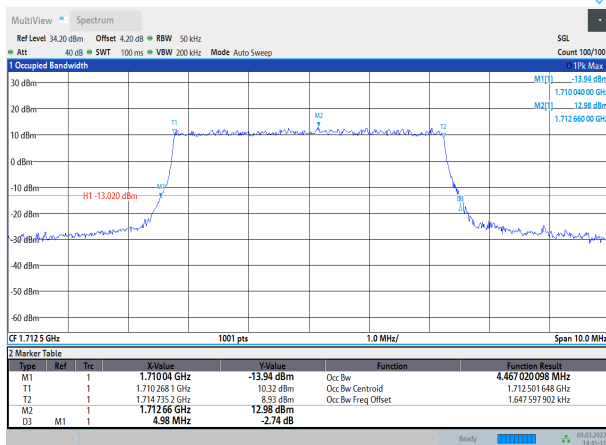
Page: 21 of 53

Band66-5MHz-QPSK-132647-25RB#0



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Band66-5MHz-16QAM-131997-25RB#0



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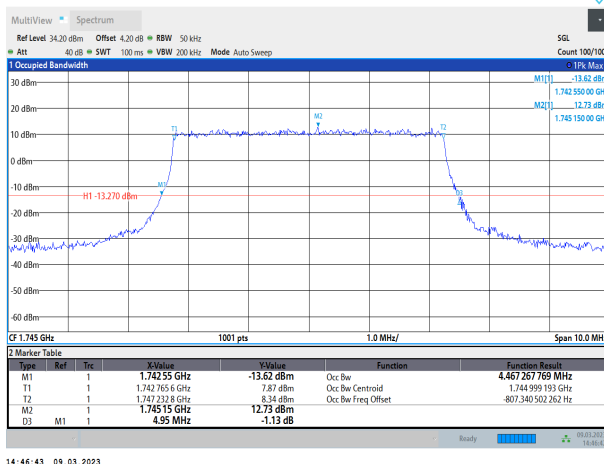
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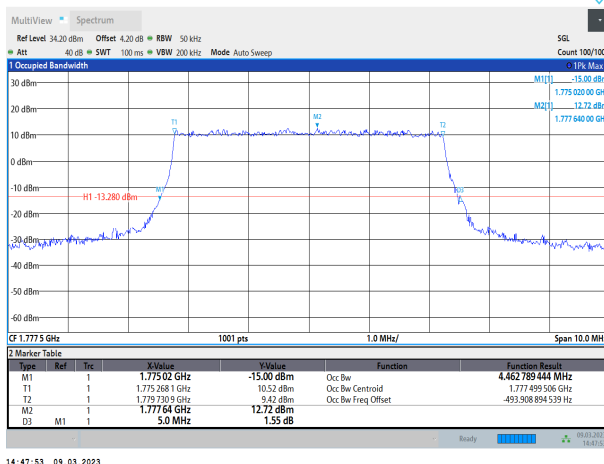
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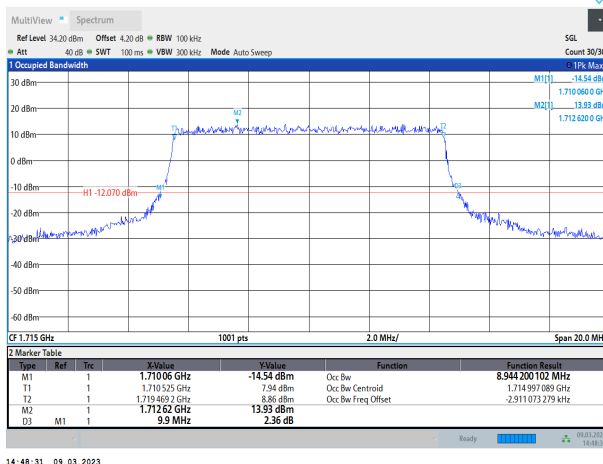
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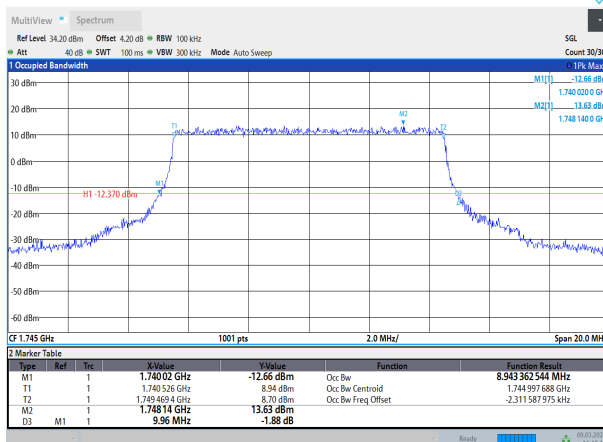
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Band66-10MHz-QPSK-132022-50RB#0



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Band66-10MHz-QPSK-132322-50RB#0



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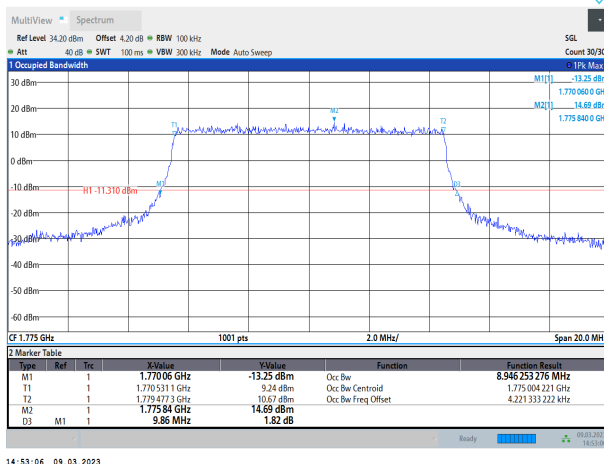
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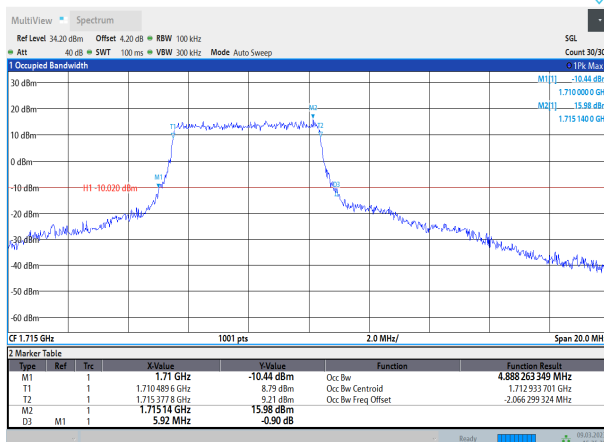
Page: 24 of 53

Band66-10MHz-QPSK-132622-50RB#0



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Band66-10MHz-16QAM-132022-27RB#0



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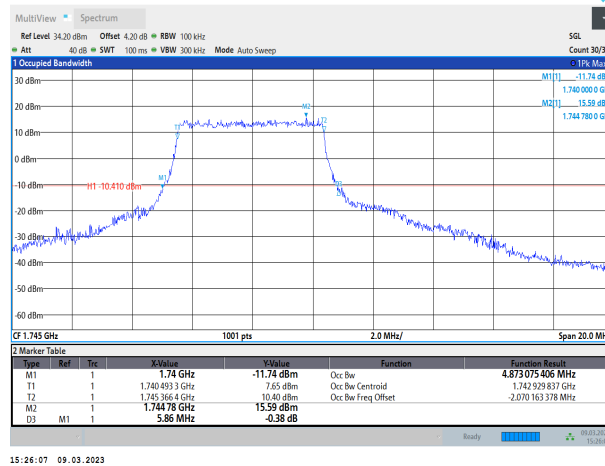
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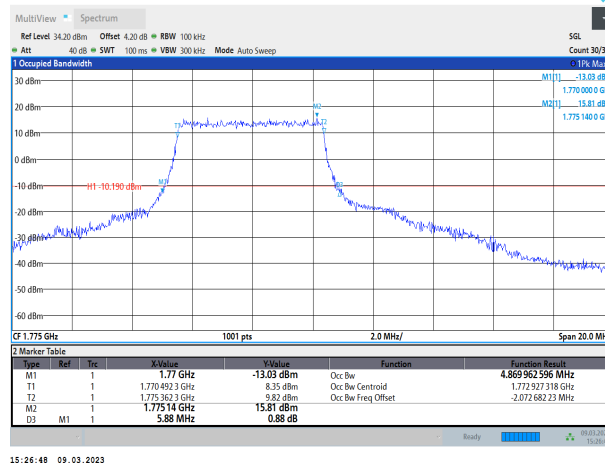
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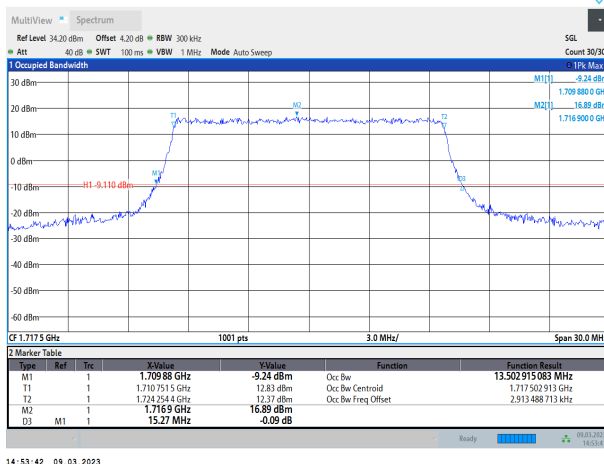
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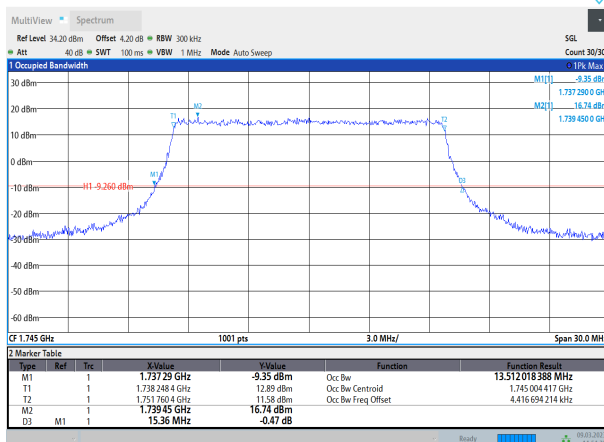
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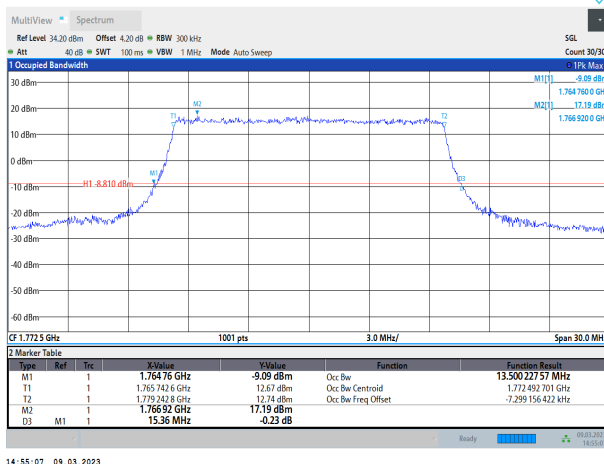
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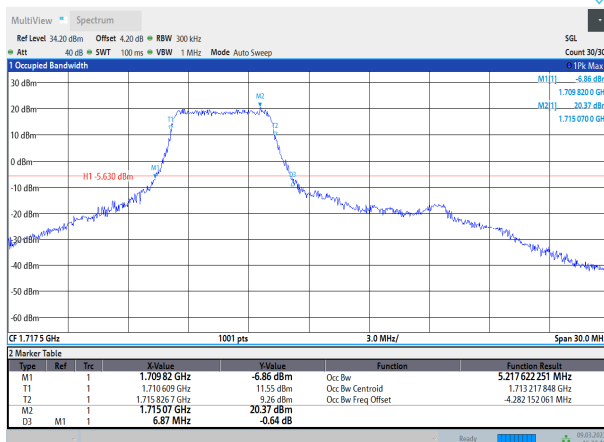
Page: 27 of 53

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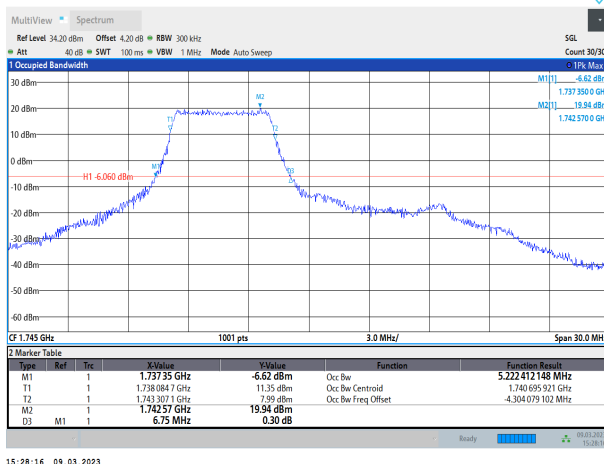
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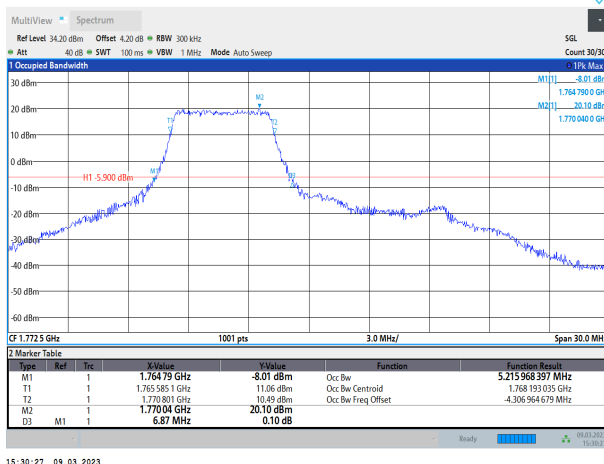
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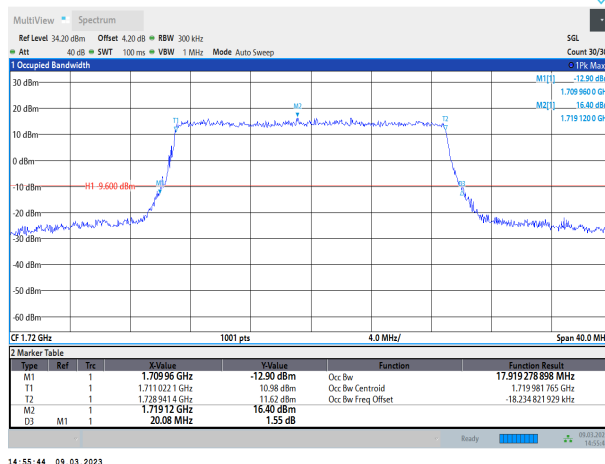
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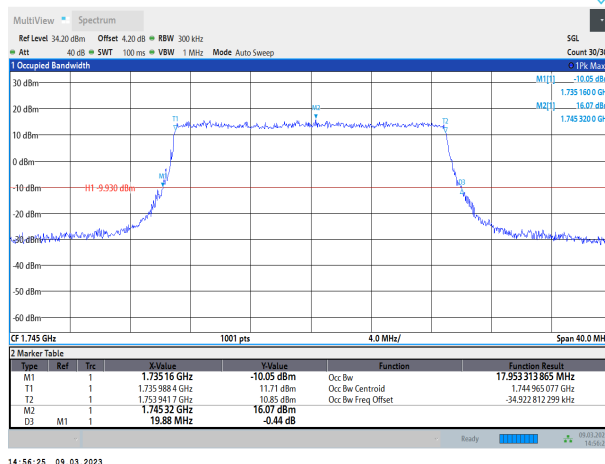
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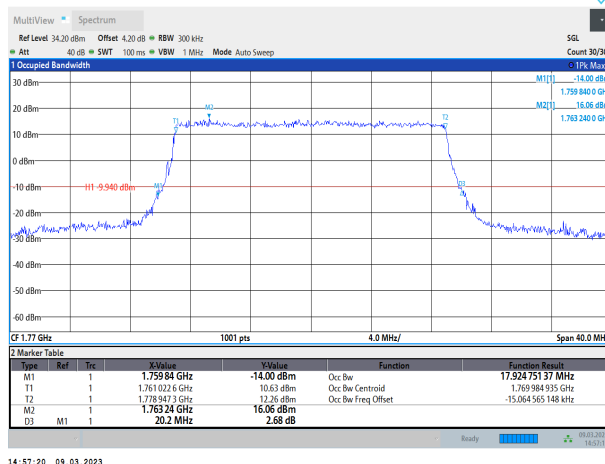
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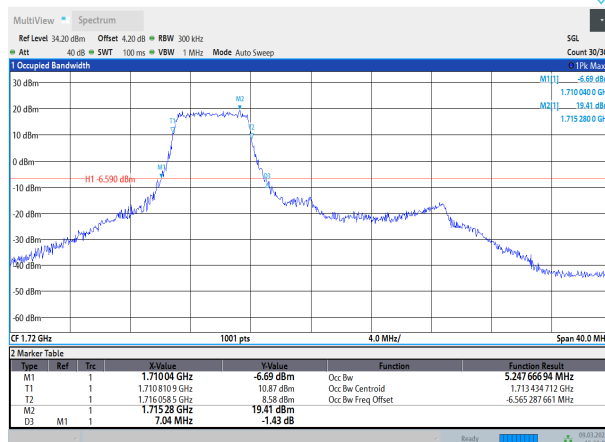
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Band66-20MHz-QPSK-132572-100RB#0



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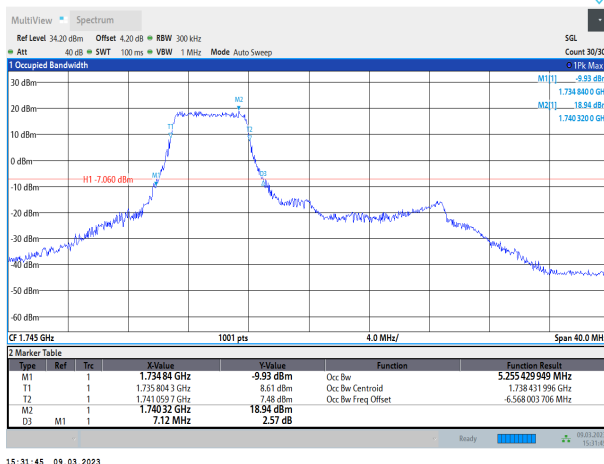
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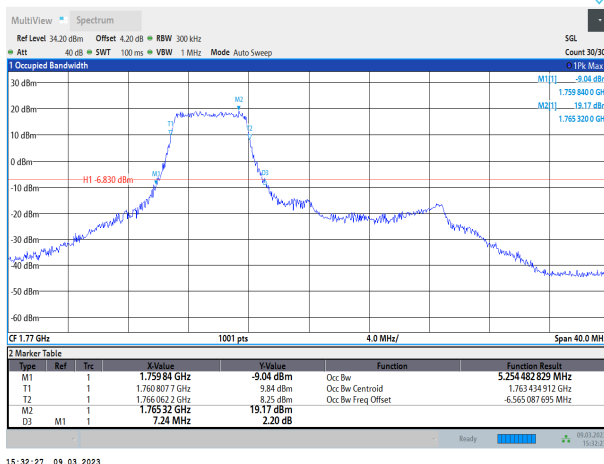
Rev.: 01

Page: 31 of 53

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Band66-20MHz-16QAM-132572-27RB#0



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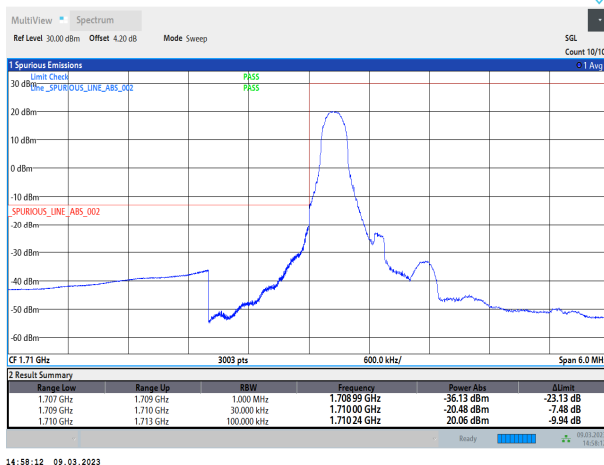
Rev.: 01

Page: 32 of 53

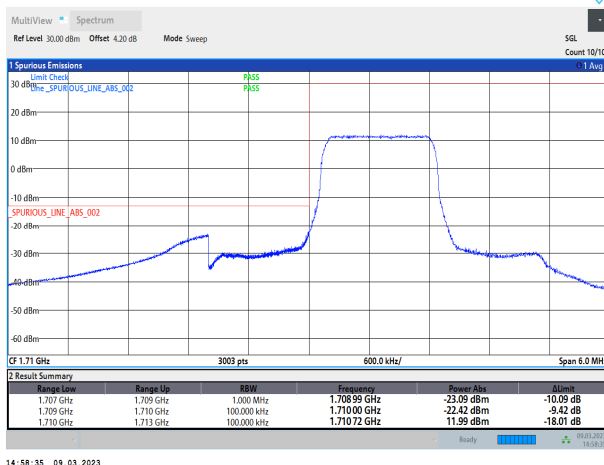
Band Edge

Test Graphs

Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



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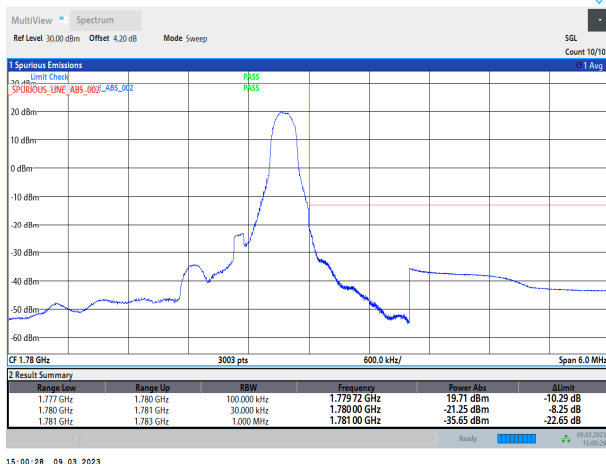
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Report No.: SEWA2212000096RG01

Rev.: 01

Page: 33 of 53

Band66-1.4MHz-QPSK-132665-1RB#5



Band66-1.4MHz-QPSK-132665-6RB#0



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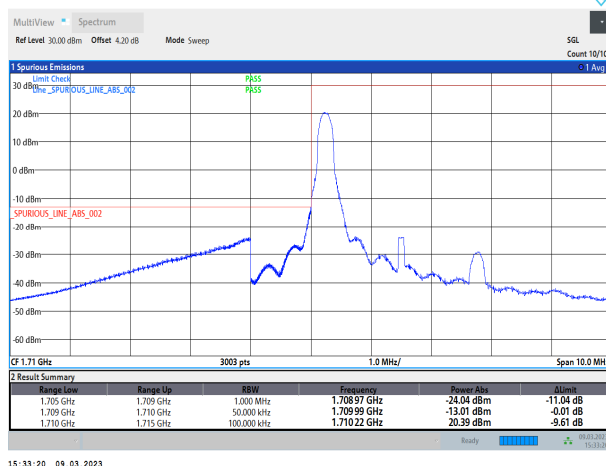
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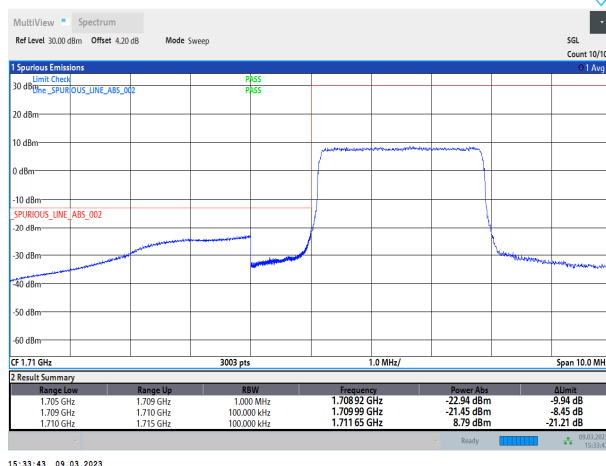
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Page: 34 of 53

Band66-3MHz-QPSK-131987-1RB#0



Band66-3MHz-QPSK-131987-15RB#0



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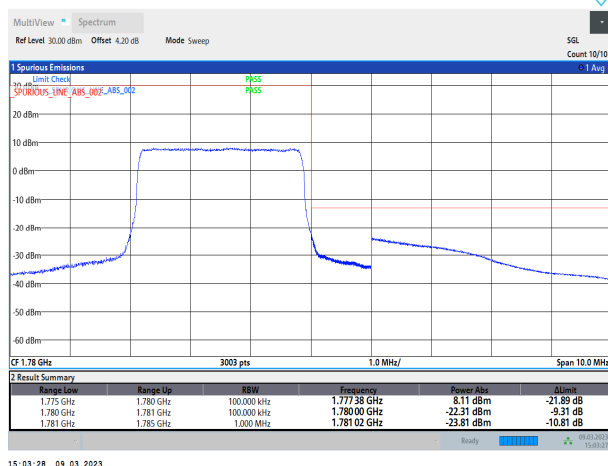
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Band66-3MHz-QPSK-132657-1RB#14



Band66-3MHz-QPSK-132657-15RB#0



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Page: 36 of 53

Band66-5MHz-QPSK-131997-1RB#0



Band66-5MHz-QPSK-131997-25RB#0



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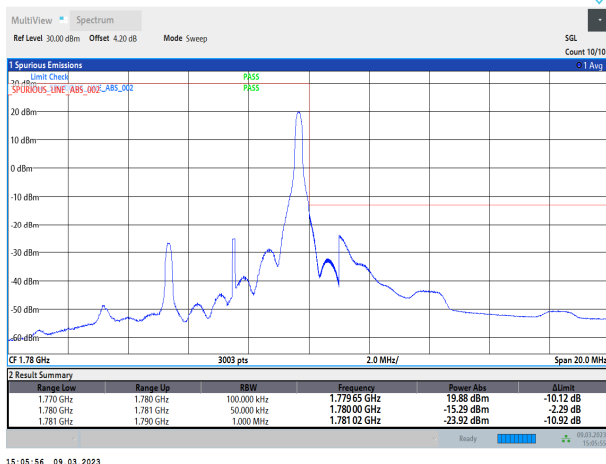
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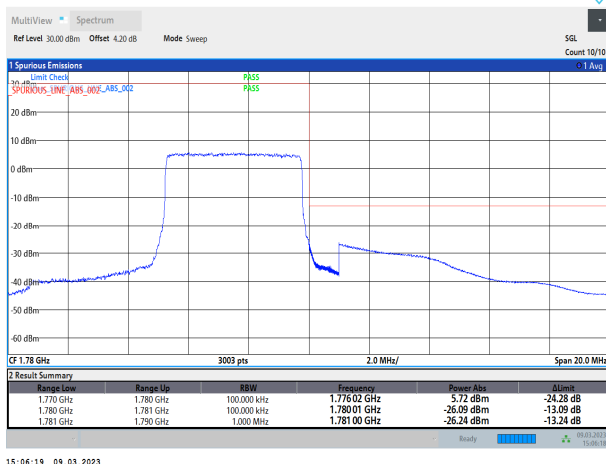
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Band66-5MHz-QPSK-132647-1RB#24



Band66-5MHz-QPSK-132647-25RB#0



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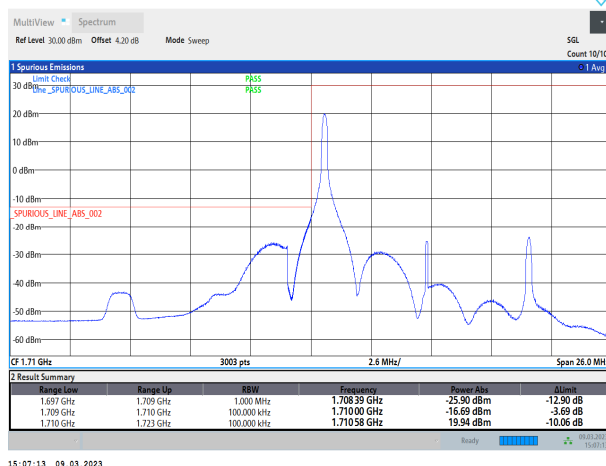
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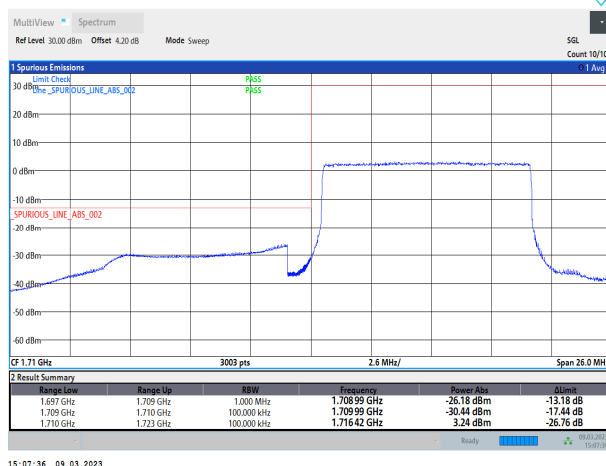
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Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0



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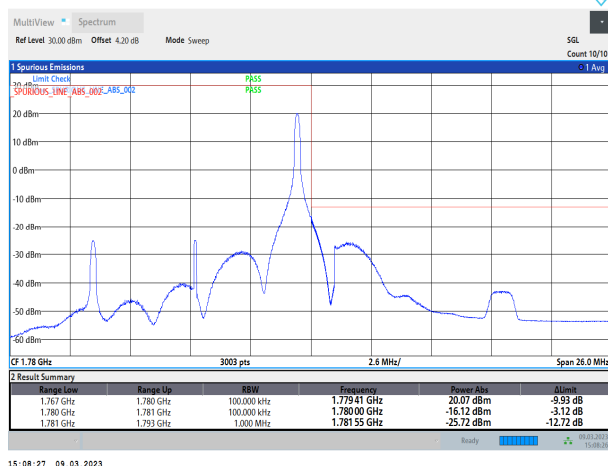
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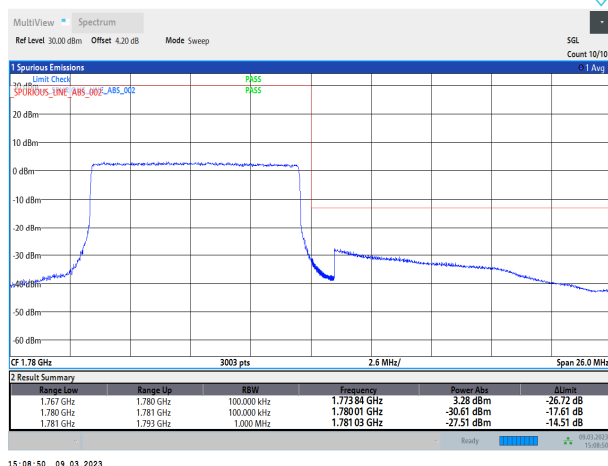
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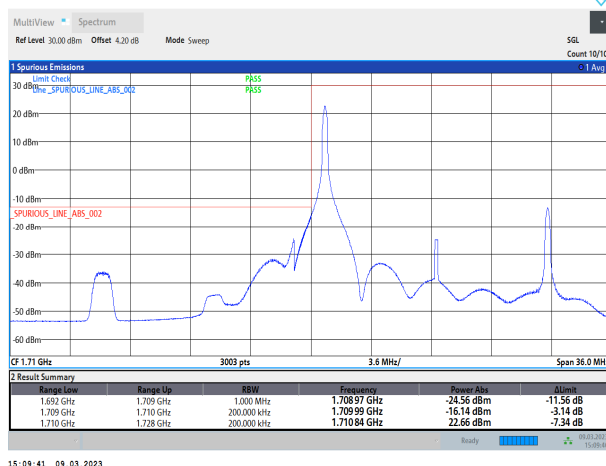
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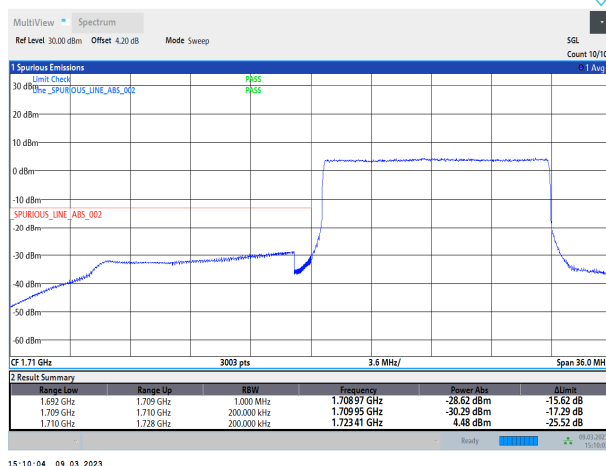
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Band66-15MHz-QPSK-132047-75RB#0



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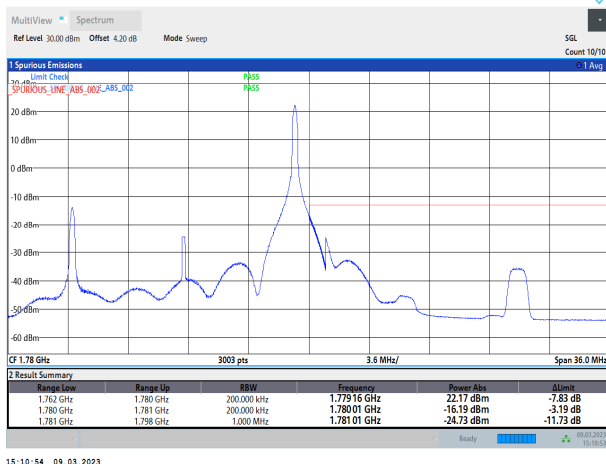
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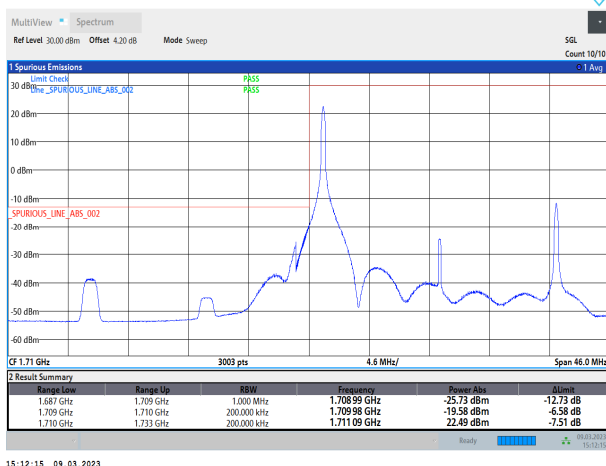
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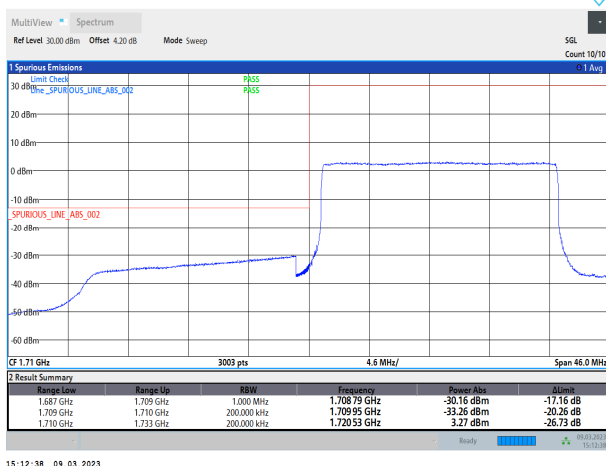
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Band66-20MHz-QPSK-132072-100RB#0



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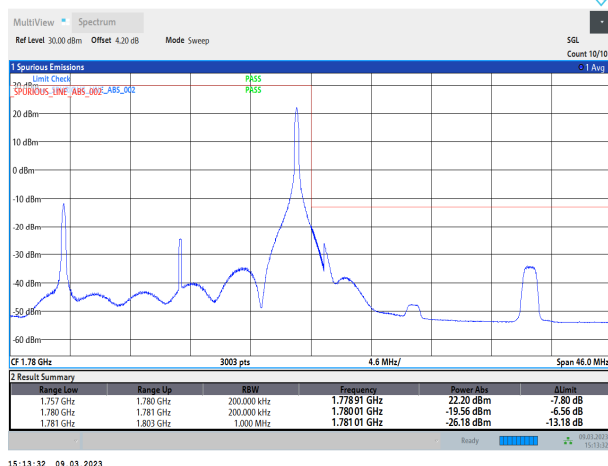
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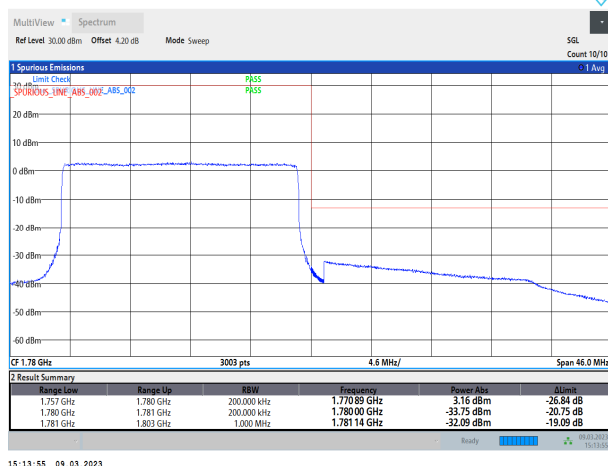
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Page: 43 of 53

Band66-20MHz-QPSK-132572-1RB#99



Band66-20MHz-QPSK-132572-100RB#0



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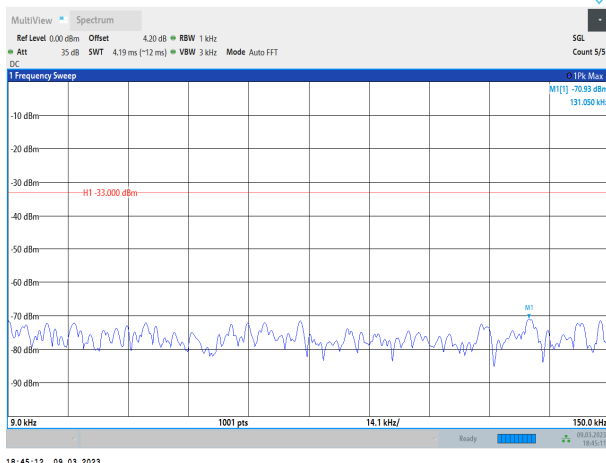
Rev.: 01

Page: 44 of 53

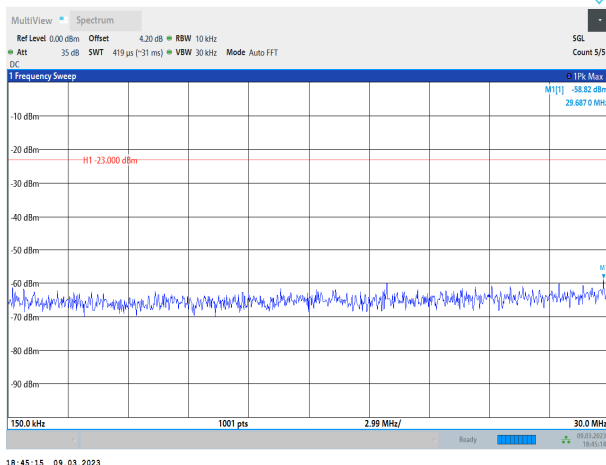
Conducted Spurious Emission

Test Graphs

Band66-20MHz-QPSK-132072-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132072-1RB#0-Range2:0.15~30MHz



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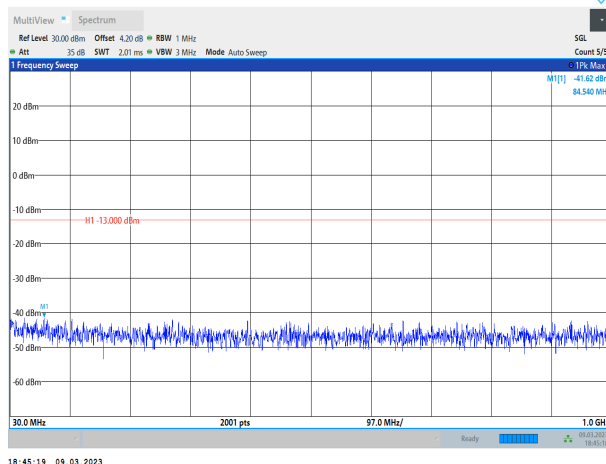
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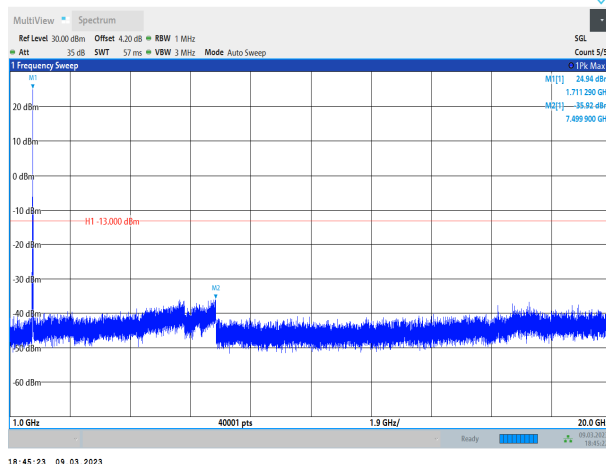
Rev.: 01

Page: 45 of 53

Band66-20MHz-QPSK-132072-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range4:1000~20000MHz



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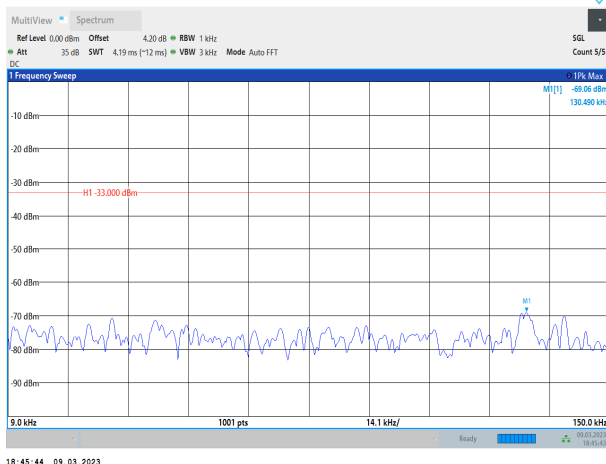
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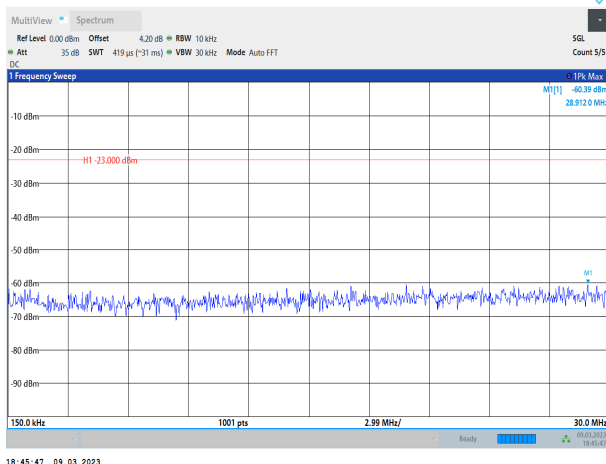
Rev.: 01

Page: 46 of 53

Band66-20MHz-QPSK-132322-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132322-1RB#0-Range2:0.15~30MHz



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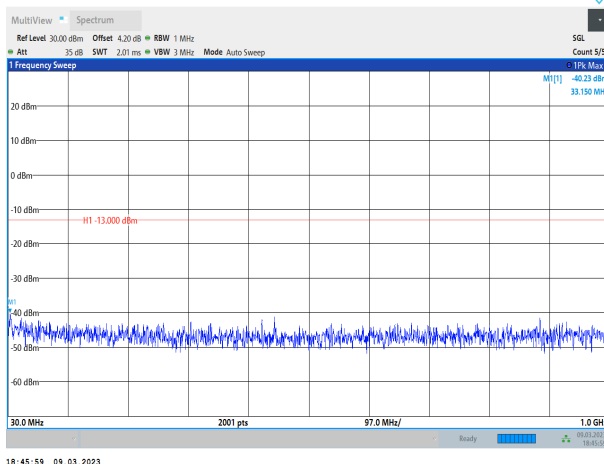
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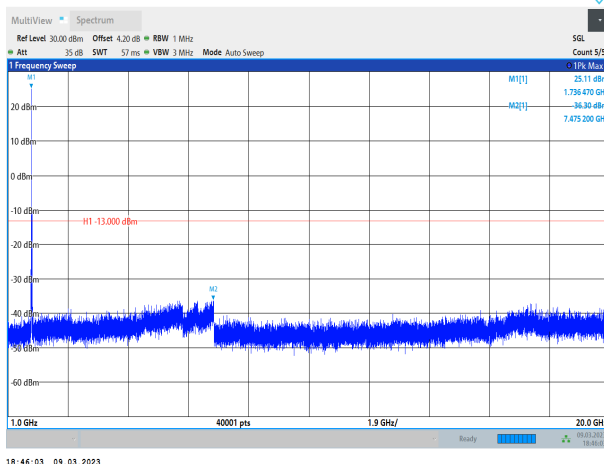
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Page: 47 of 53

Band66-20MHz-QPSK-132322-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132322-1RB#0-Range4:1000~20000MHz



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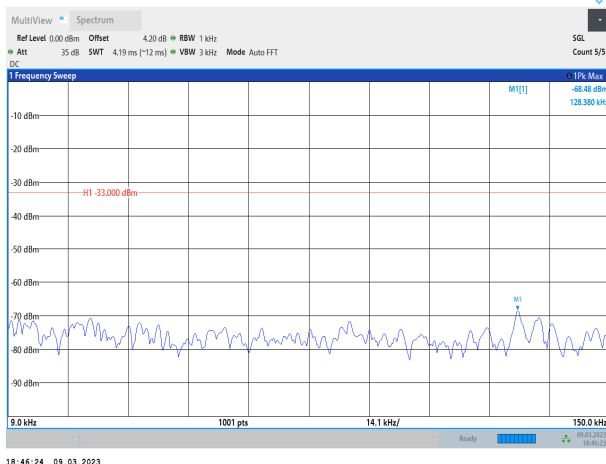


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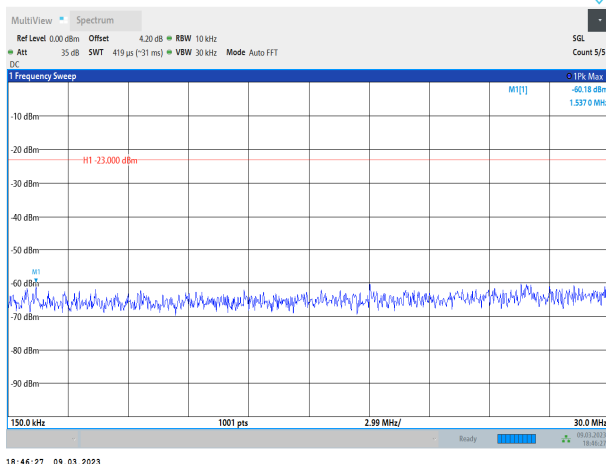
Rev.: 01

Page: 48 of 53

Band66-20MHz-QPSK-132572-1RB#0-Range1:0.009~0.15MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:0.15~30MHz



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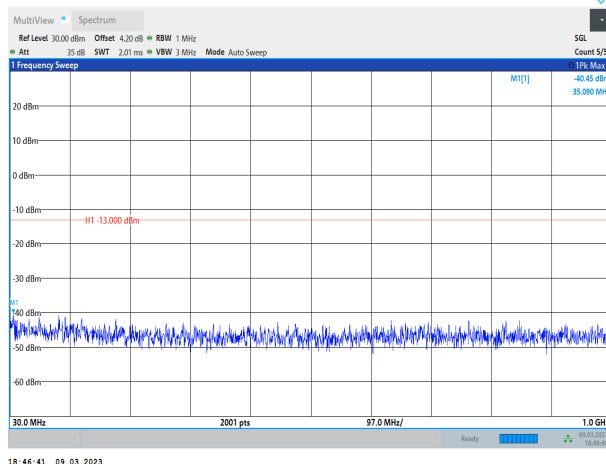
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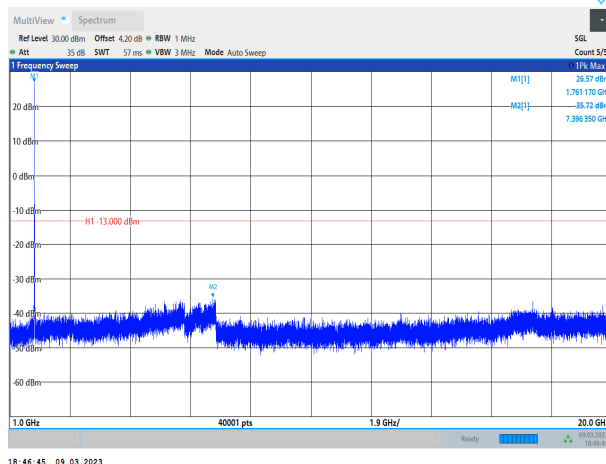
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Page: 49 of 53

Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band 66_QPSK_20MHz_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	63.22	-45.88	29.43	-48.49	-13.00	35.49	164	314	Horizontal
2	5106.27	40.70	-44.28	32.60	-66.24	-13.00	53.24	156	3	Horizontal
3	6808.36	39.70	-42.55	35.82	-62.29	-13.00	49.29	213	199	Horizontal
4	8510.45	36.46	-39.54	38.06	-60.28	-13.00	47.28	286	360	Horizontal
5	10212.54	35.21	-36.59	38.73	-57.90	-13.00	44.90	156	358	Horizontal
6	11914.63	30.14	-35.10	38.68	-61.54	-13.00	48.54	179	50	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	3422.25	62.80	-45.88	29.43	-48.91	-13.00	35.91	183	282	Vertical
2	5133	45.42	-44.24	32.60	-61.48	-13.00	48.48	162	48	Vertical
3	6808.36	39.76	-42.55	35.82	-62.23	-13.00	49.23	259	332	Vertical
4	8510.45	37.22	-39.54	38.06	-59.52	-13.00	46.52	234	199	Vertical
5	10212.54	35.43	-36.59	38.73	-57.68	-13.00	44.68	151	132	Vertical
6	11914.63	29.85	-35.10	38.68	-61.83	-13.00	48.83	219	182	Vertical



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Report No.: SEWA2212000096RG01
 Rev.: 01
 Page: 51 of 53

Test Band = LTE Band 66_QPSK_20MHz_TM1

Test Channel = Mid Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.5	60.52	-45.76	29.41	-51.09	-13.00	38.09	147	313	Horizontal
2	5181.27	41.75	-44.18	32.60	-65.09	-13.00	52.09	263	264	Horizontal
3	6908.36	40.59	-42.44	36.02	-61.10	-13.00	48.10	285	358	Horizontal
4	8635.45	35.77	-39.66	38.20	-60.95	-13.00	47.95	149	213	Horizontal
5	10362.54	33.32	-36.60	38.90	-59.65	-13.00	46.65	156	213	Horizontal
6	12089.63	32.64	-35.20	38.69	-59.13	-13.00	46.13	183	359	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	3472.5	61.04	-45.76	29.41	-50.57	-13.00	37.57	158	314	Vertical
2	5181.27	41.63	-44.18	32.60	-65.21	-13.00	52.21	299	33	Vertical
3	6908.36	40.17	-42.44	36.02	-61.52	-13.00	48.52	143	360	Vertical
4	8635.45	35.80	-39.66	38.20	-60.92	-13.00	47.92	265	345	Vertical
5	10362.54	33.11	-36.60	38.90	-59.86	-13.00	46.86	158	247	Vertical
6	12089.63	33.35	-35.20	38.69	-58.42	-13.00	45.42	241	3	Vertical



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Report No.: SEWA2212000096RG01
 Rev.: 01
 Page: 52 of 53

Test Band = LTE Band 66_QPSK_20MHz_TM1

Test Channel = High Channel

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	58.98	-45.59	29.45	-52.41	-13.00	39.41	164	314	Horizontal
2	5256.27	40.69	-44.07	32.60	-66.04	-13.00	53.04	275	358	Horizontal
3	7008.36	39.54	-42.58	36.21	-62.09	-13.00	49.09	218	358	Horizontal
4	8760.45	34.99	-39.21	38.34	-61.15	-13.00	48.15	295	33	Horizontal
5	10512.54	31.66	-36.36	39.06	-60.90	-13.00	47.90	146	297	Horizontal
6	12262.63	31.47	-35.13	38.86	-60.06	-13.00	47.06	233	247	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	3522	61.42	-45.59	29.45	-49.97	-13.00	36.97	184	360	Vertical
2	5256.27	39.98	-44.07	32.60	-66.75	-13.00	53.75	176	326	Vertical
3	7008.36	39.86	-42.58	36.21	-61.77	-13.00	48.77	239	360	Vertical
4	8760.45	35.48	-39.21	38.34	-60.66	-13.00	47.66	284	162	Vertical
5	10512.54	31.66	-36.36	39.06	-60.90	-13.00	47.90	156	359	Vertical
6	12262.63	31.20	-35.13	38.86	-60.33	-13.00	47.33	241	81	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.: SEWA2212000096RG01

Rev.: 01

Page: 53 of 53

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-5.40	-0.003095	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-7.30	-0.004183	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-5.10	-0.002923	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-2.60	-0.001490	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-3.60	-0.002063	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-0.10	-0.000057	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-1.40	-0.000802	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-1.50	-0.000860	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-1.80	-0.001032	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-3.40	-0.001948	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-0.10	-0.000057	PASS

---End of Attachment---



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