

Report No.: SEWA2204000009RG02

Rev.: 01

Page: 1 of 37

Appendix B.21

NR Band n14



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 2 of 37

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	LIMIT	Verdict
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	22.98	23.03	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	22.93	22.98	34.77	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	22.91	22.96	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Left	23.02	23.07	34.77	PASS
N14	15	5	DFT-QPSK	L	Inner_1RB_Right	22.95	23	34.77	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	22.91	22.96	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Left	23.4	23.45	34.77	PASS
N14	15	5	DFT-16QAM	L	Inner_1RB_Right	23.31	23.36	34.77	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	21.92	21.97	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Left	21.36	21.41	34.77	PASS
N14	15	5	DFT-64QAM	L	Inner_1RB_Right	21.26	21.31	34.77	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	21.54	21.59	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Left	19.22	19.27	34.77	PASS
N14	15	5	DFT-256QAM	L	Inner_1RB_Right	19.17	19.22	34.77	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	19.32	19.37	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	22.9	22.95	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	22.92	22.97	34.77	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	22.95	23	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Left	22.93	22.98	34.77	PASS
N14	15	5	DFT-QPSK	M	Inner_1RB_Right	22.94	22.99	34.77	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	22.93	22.98	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Left	23.36	23.41	34.77	PASS
N14	15	5	DFT-16QAM	M	Inner_1RB_Right	23.3	23.35	34.77	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	21.93	21.98	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Left	21.24	21.29	34.77	PASS
N14	15	5	DFT-64QAM	M	Inner_1RB_Right	21.21	21.26	34.77	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	21.55	21.6	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Left	19.1	19.15	34.77	PASS
N14	15	5	DFT-256QAM	M	Inner_1RB_Right	19.08	19.13	34.77	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	19.37	19.42	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	22.9	22.95	34.77	PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 3 of 37

N14	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23	23.05	34.77	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	22.91	22.96	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Left	22.91	22.96	34.77	PASS
N14	15	5	DFT-QPSK	H	Inner_1RB_Right	22.97	23.02	34.77	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	22.85	22.9	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Left	23.25	23.3	34.77	PASS
N14	15	5	DFT-16QAM	H	Inner_1RB_Right	23.34	23.39	34.77	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	21.89	21.94	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Left	21.23	21.28	34.77	PASS
N14	15	5	DFT-64QAM	H	Inner_1RB_Right	21.28	21.33	34.77	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	21.48	21.53	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Left	19.21	19.26	34.77	PASS
N14	15	5	DFT-256QAM	H	Inner_1RB_Right	19.15	19.2	34.77	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	19.28	19.33	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.03	23.08	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	22.95	23	34.77	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	23.01	23.06	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Left	23.01	23.06	34.77	PASS
N14	15	10	DFT-QPSK	M	Inner_1RB_Right	23	23.05	34.77	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	22.97	23.02	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Left	23.41	23.46	34.77	PASS
N14	15	10	DFT-16QAM	M	Inner_1RB_Right	23.4	23.45	34.77	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	21.9	21.95	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Left	21.39	21.44	34.77	PASS
N14	15	10	DFT-64QAM	M	Inner_1RB_Right	21.32	21.37	34.77	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	21.47	21.52	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Left	19.15	19.2	34.77	PASS
N14	15	10	DFT-256QAM	M	Inner_1RB_Right	19.23	19.28	34.77	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	19.38	19.43	34.77	PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 4 of 37

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N14	15	10	DFT-256QAM	M	Outer_Full	100%	0.00	8.65	≤13	PASS
N14	15	10	CP-256QAM	M	Outer_Full	100%	0.00	9.64	≤13	PASS



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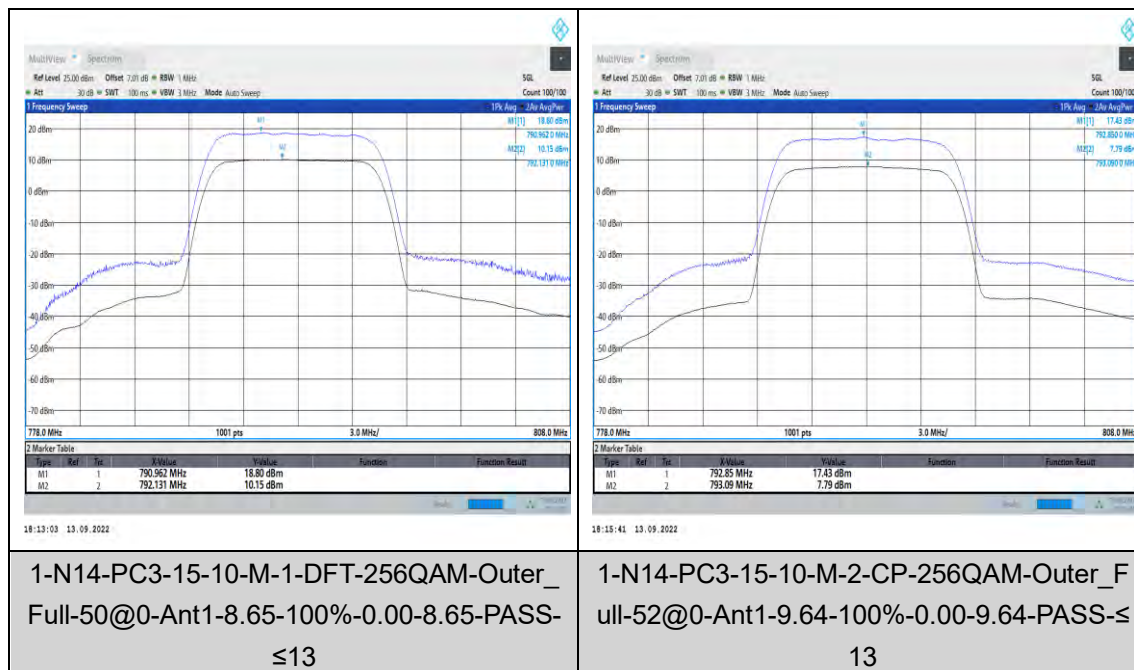
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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 5 of 37

Test Graphs



Report No.: SEWA2204000009RG02

Rev.: 01

Page: 6 of 37

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-QPSK	M	Outer_Full	see graph	PASS
N14	15	10	CP-16QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-64QAM	M	Outer_Full	see graph	PASS
N14	15	10	CP-256QAM	M	Outer_Full	see graph	PASS



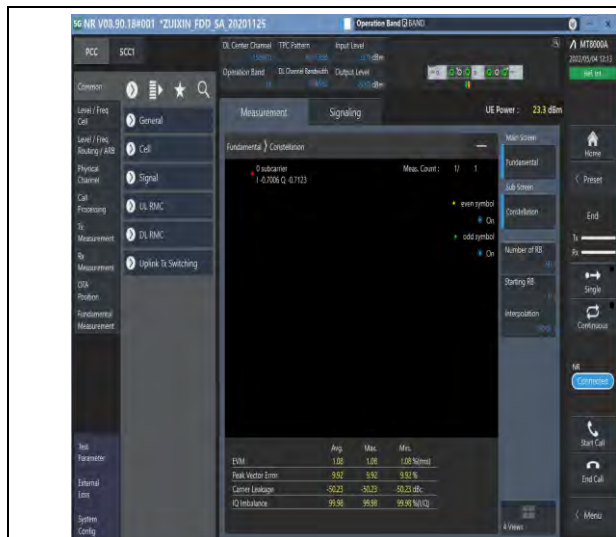
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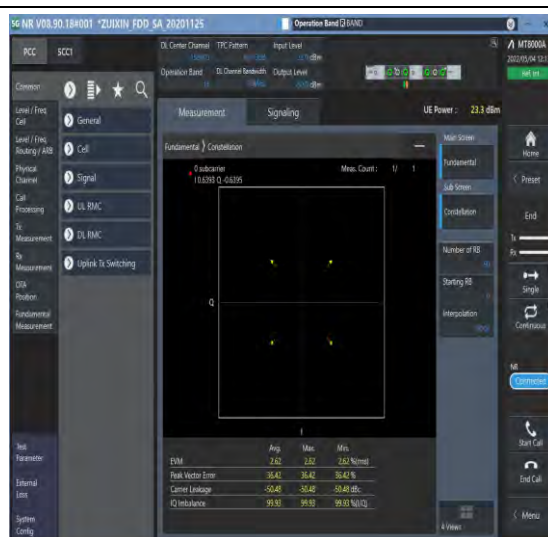
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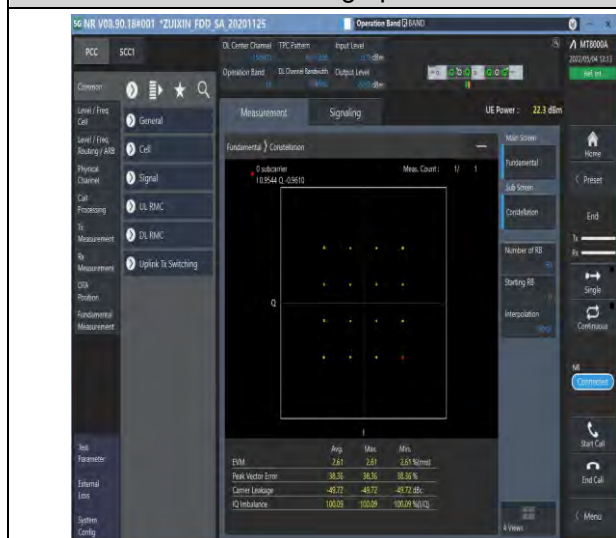
Test Graphs



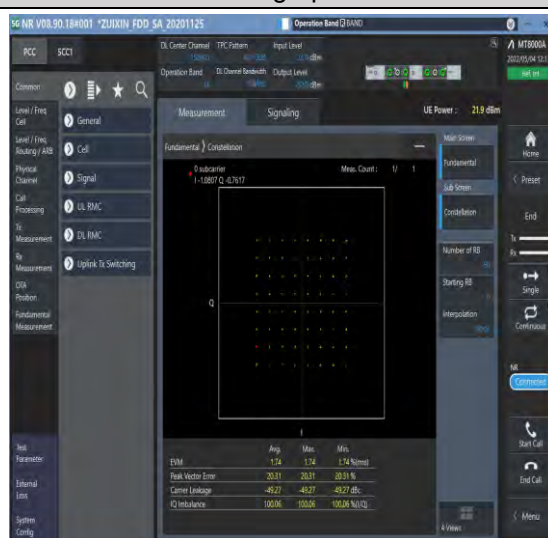
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0-Ant1-see graph-PASS



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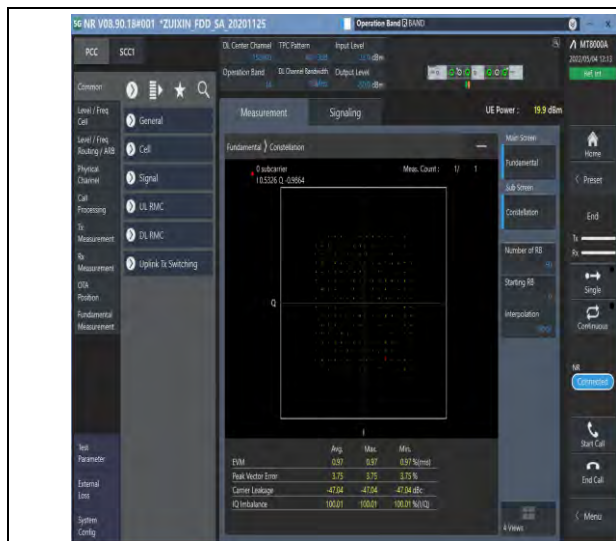


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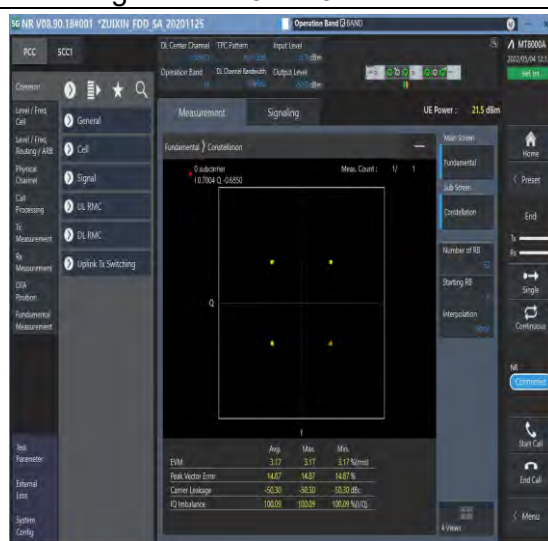


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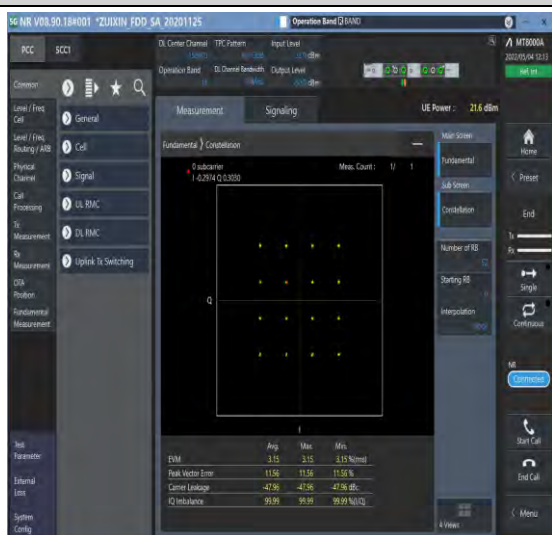




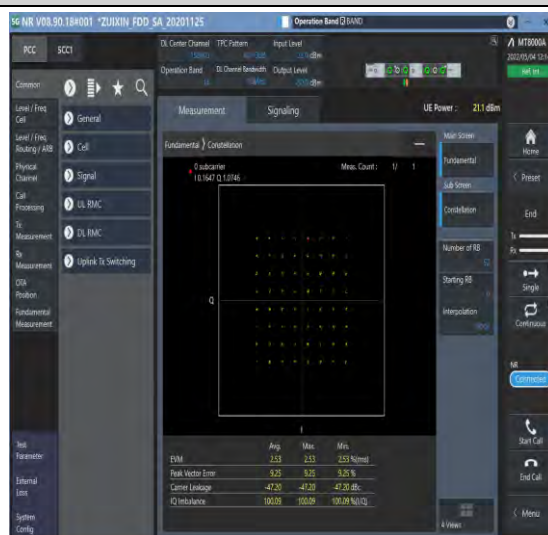
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1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-see graph-PASS



1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-see graph-PASS



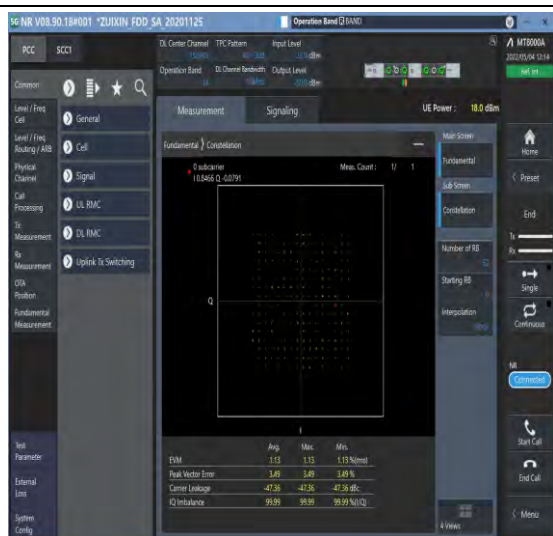
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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 9 of 37



1-N14-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@0
-Ant1-see graph-PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 10 of 37

26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	4.481	4.910	PASS
N14	15	5	DFT-PI2BPSK	L	Outer_Full	4.457	4.890	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	4.455	4.870	PASS
N14	15	5	DFT-64QAM	L	Outer_Full	4.481	4.990	PASS
N14	15	5	DFT-256QAM	L	Outer_Full	4.471	4.880	PASS
N14	15	5	CP-QPSK	L	Outer_Full	4.462	4.890	PASS
N14	15	5	CP-16QAM	L	Outer_Full	4.478	4.930	PASS
N14	15	5	CP-64QAM	L	Outer_Full	4.469	4.870	PASS
N14	15	5	CP-256QAM	L	Outer_Full	4.462	4.940	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	4.48	4.840	PASS
N14	15	5	DFT-PI2BPSK	M	Outer_Full	4.466	4.810	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	4.464	4.910	PASS
N14	15	5	DFT-64QAM	M	Outer_Full	4.482	4.930	PASS
N14	15	5	DFT-256QAM	M	Outer_Full	4.477	4.880	PASS
N14	15	5	CP-QPSK	M	Outer_Full	4.457	4.870	PASS
N14	15	5	CP-16QAM	M	Outer_Full	4.464	4.870	PASS
N14	15	5	CP-64QAM	M	Outer_Full	4.468	4.880	PASS
N14	15	5	CP-256QAM	M	Outer_Full	4.469	4.910	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	4.469	4.720	PASS
N14	15	5	DFT-PI2BPSK	H	Outer_Full	4.475	4.900	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	4.475	4.910	PASS
N14	15	5	DFT-64QAM	H	Outer_Full	4.473	4.920	PASS
N14	15	5	DFT-256QAM	H	Outer_Full	4.468	4.870	PASS
N14	15	5	CP-QPSK	H	Outer_Full	4.469	4.850	PASS
N14	15	5	CP-16QAM	H	Outer_Full	4.463	4.780	PASS
N14	15	5	CP-64QAM	H	Outer_Full	4.471	4.890	PASS
N14	15	5	CP-256QAM	H	Outer_Full	4.481	4.940	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	8.92	9.500	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	8.919	9.540	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	8.919	9.520	PASS
N14	15	10	DFT-64QAM	M	Outer_Full	8.919	9.500	PASS
N14	15	10	DFT-256QAM	M	Outer_Full	8.919	9.400	PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 11 of 37

N14	15	10	CP-QPSK	M	Outer_Full	9.28	9.940	PASS
N14	15	10	CP-16QAM	M	Outer_Full	9.274	9.800	PASS
N14	15	10	CP-64QAM	M	Outer_Full	9.289	10.000	PASS
N14	15	10	CP-256QAM	M	Outer_Full	9.285	9.900	PASS



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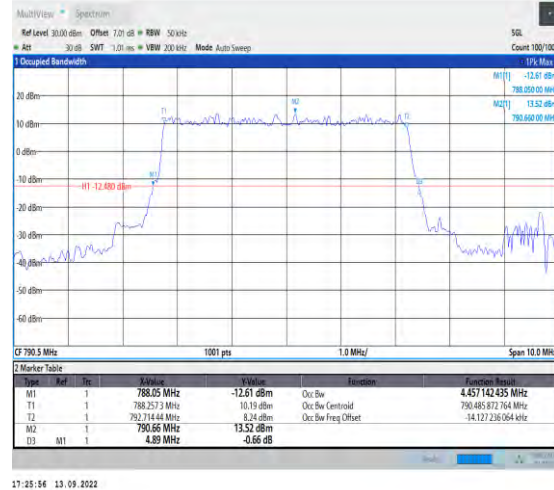
Rev.: 01

Page: 12 of 37

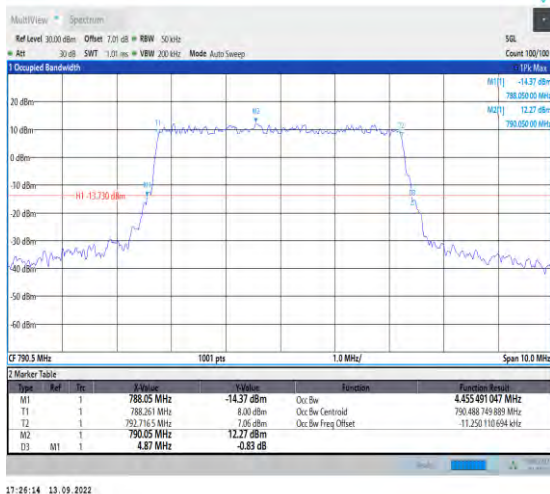
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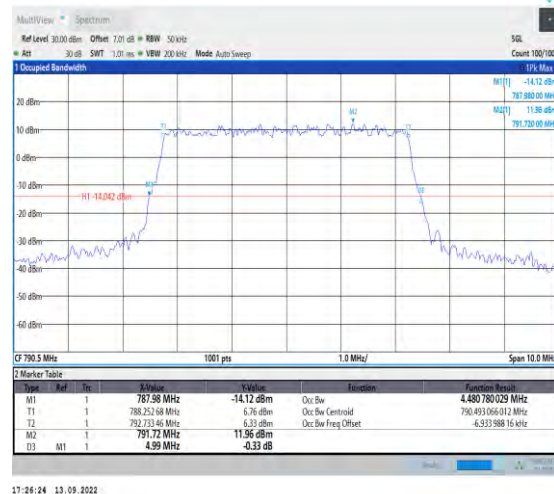
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1-N14-PC3-15-5-L-2-DFT-PI2BPSK-Outet_Full-25@0-Ant1-4.457-4.890-≤5-PASS



1-N14-PC3-15-5-L-3-DFT-16QAM-Outet_Full-25@0-Ant1-4.455-4.870-≤5-PASS



1-N14-PC3-15-5-L-4-DFT-64QAM-Outet_Full-25@0-Ant1-4.481-4.990-≤5-PASS



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Page: 13 of 37



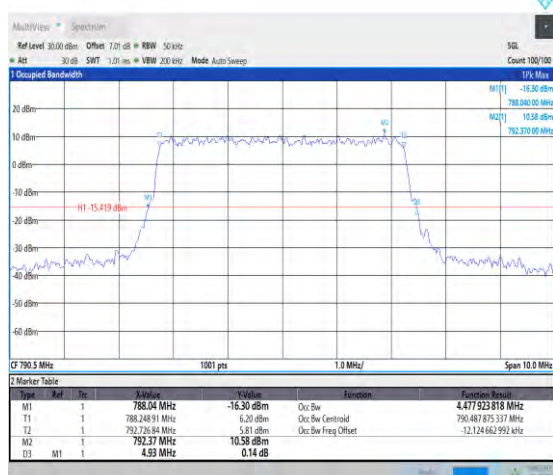
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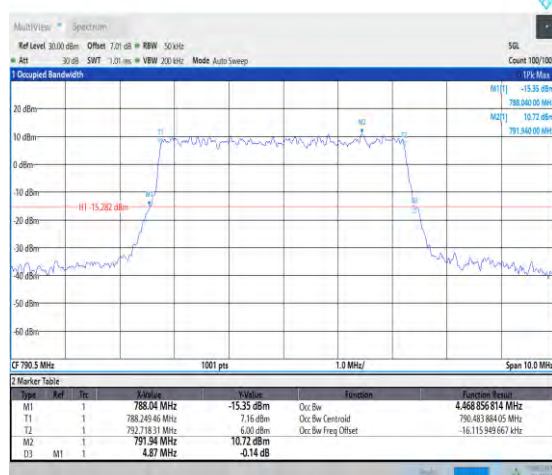
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17:39:03 13/09/2022

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17:39:14 13/09/2022

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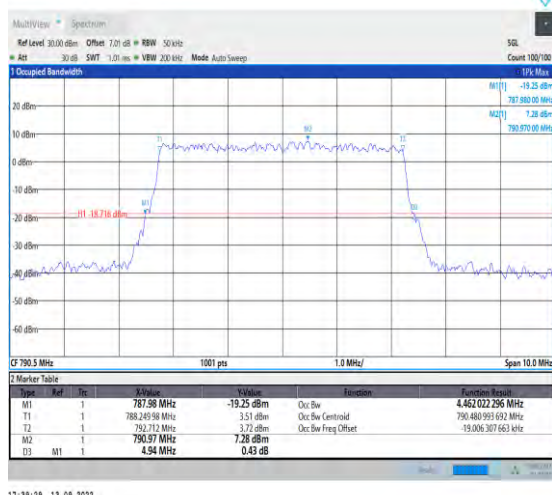
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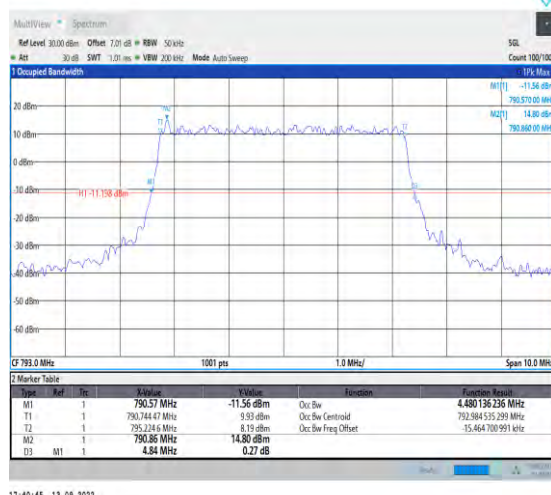
Rev.: 01

Page: 14 of 37



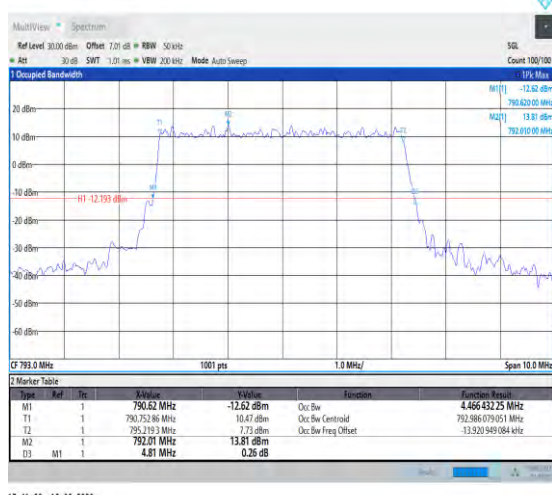
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17:40:45 13.09.2022

1-N14-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.48-4.840-≤5-PASS



17:41:09 13.09.2022

1-N14-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.466-4.810-≤5-PASS



17:41:21 13.09.2022

1-N14-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.464-4.910-≤5-PASS



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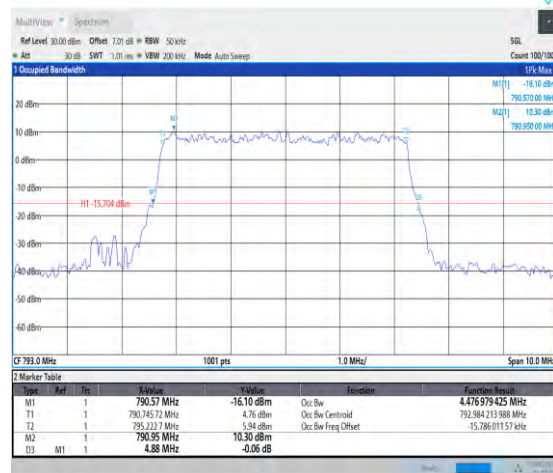
Rev.: 01

Page: 15 of 37



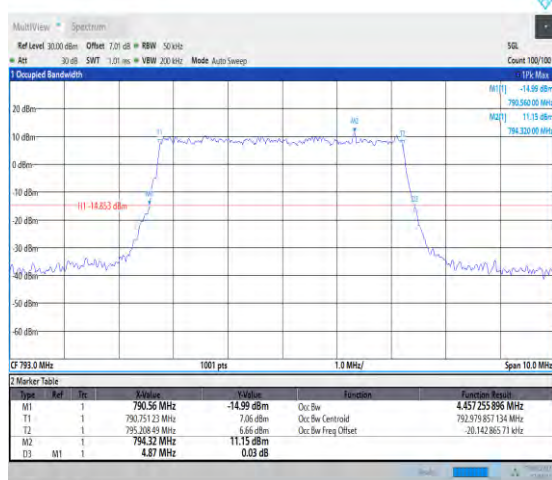
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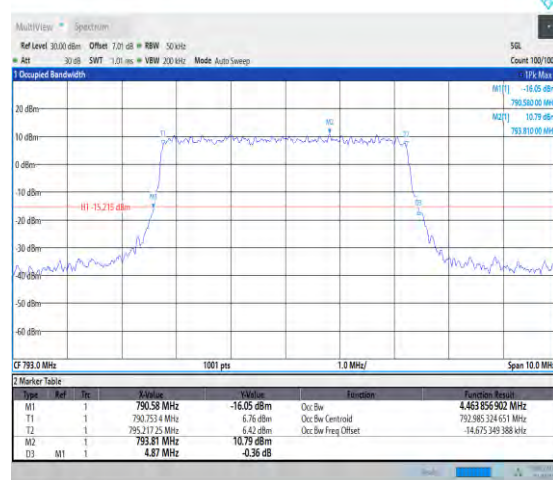
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17:48:12 13/09/2022

1-N14-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.457-4.870-≤5-PASS



17:48:23 13/09/2022

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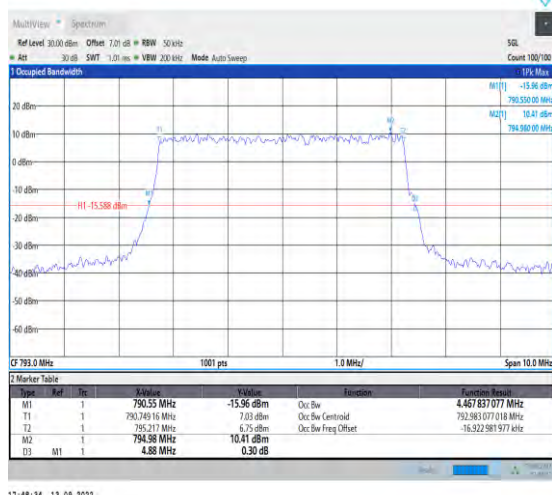
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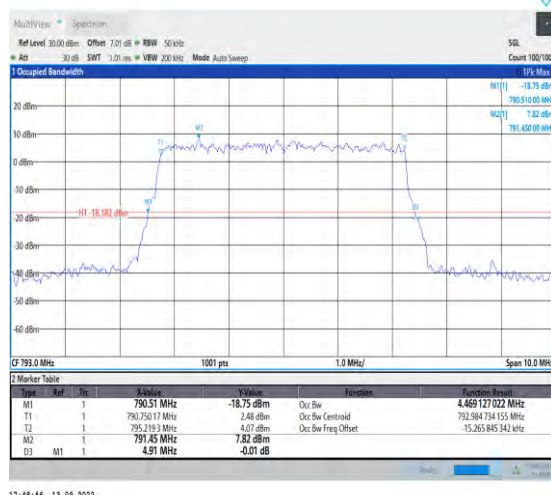
Report No.: SEWA2204000009RG02

Rev.: 01

Page: 16 of 37



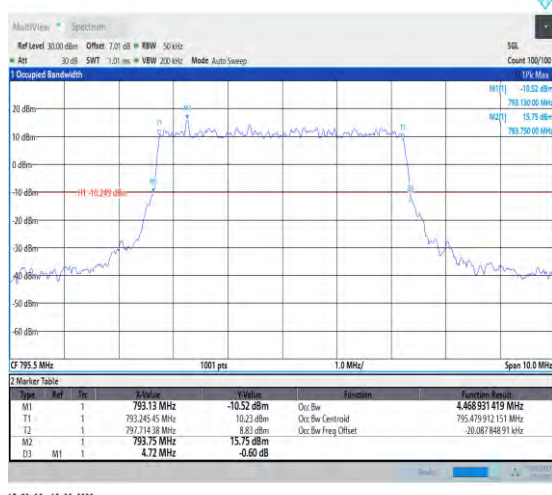
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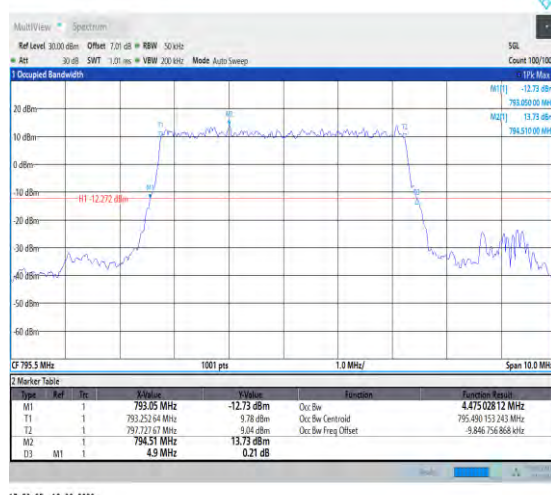
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1-N14-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.469-4.910-≤5-PASS



17:50:06 13/09/2022



17:50:35 13/09/2022

1-N14-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.469-4.720-≤5-PASS

1-N14-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.475-4.900-≤5-PASS



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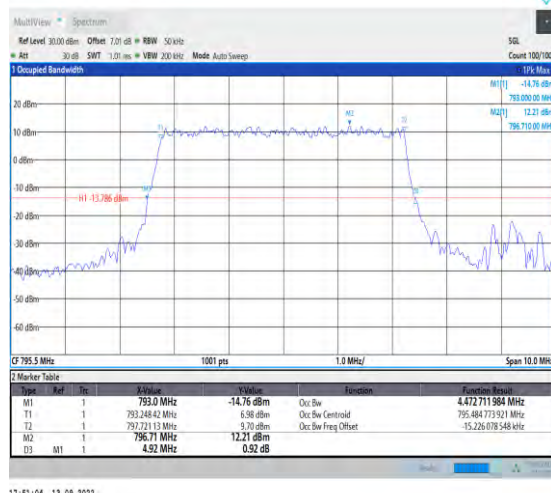
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Page: 17 of 37



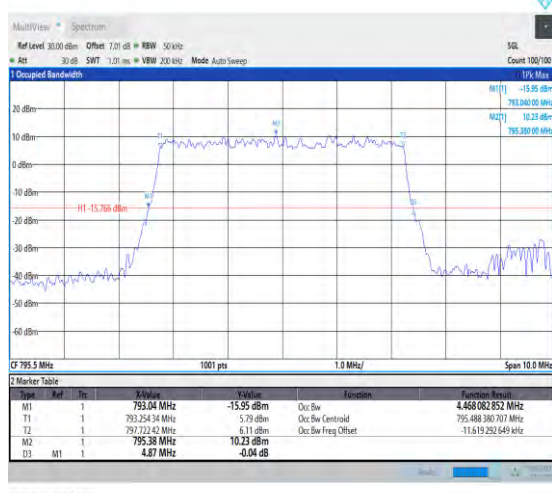
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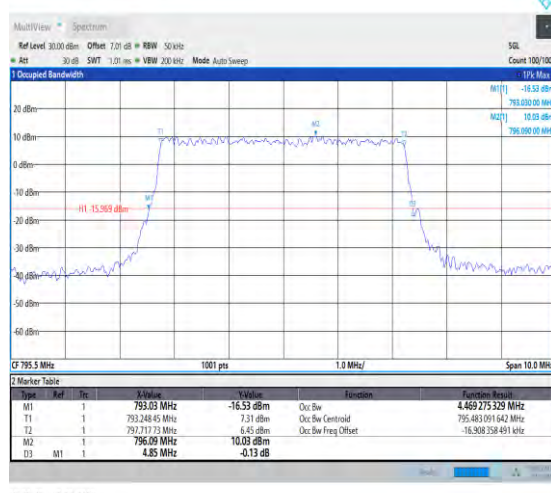
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1-N14-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.468-4.870-≤5-PASS



17:53:48 13.09.2022

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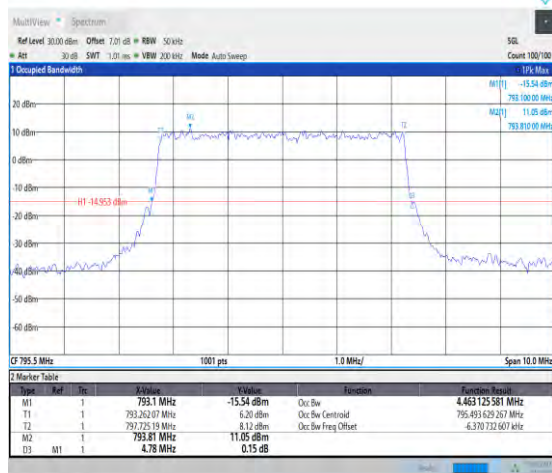
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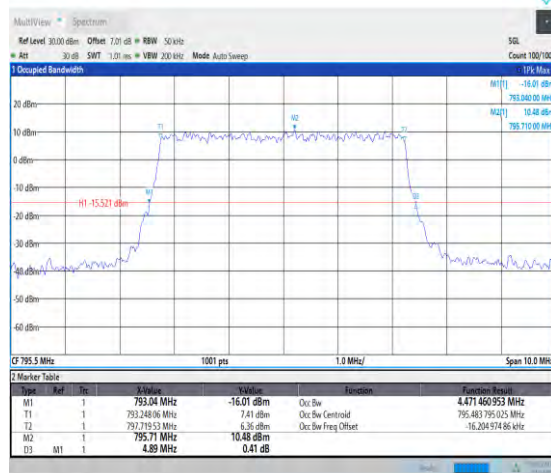
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Rev.: 01

Page: 18 of 37



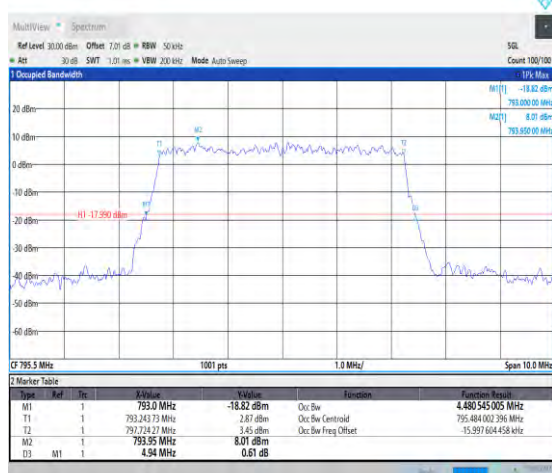
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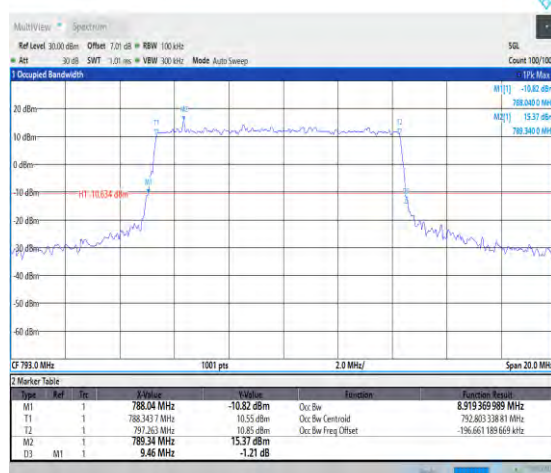
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1-N14-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.471-4.890-≤5-PASS



17:54:29 13.09.2022



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1-N14-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.919-9.460-≤10-PASS



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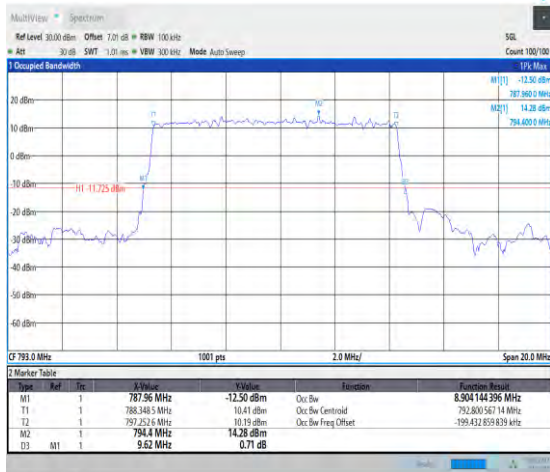
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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 19 of 37



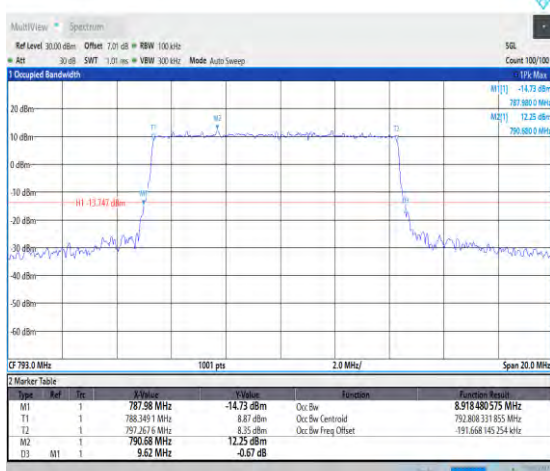
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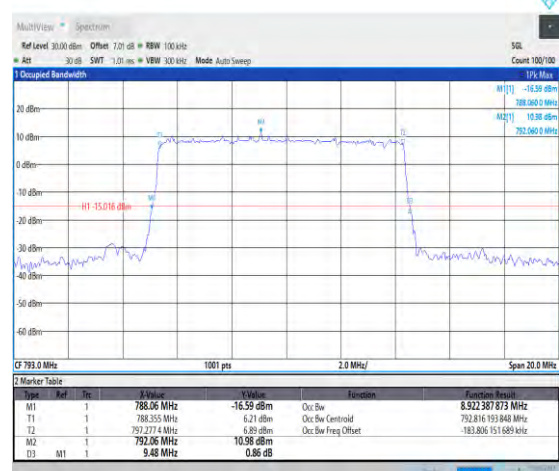
17:55:48 13/09/2022

1-N14-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant1-8.904-9.620-≤10-PASS

1-N14-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50@
0-Ant1-8.914-9.480-≤10-PASS



17:55:58 13/09/2022



17:59:21 13/09/2022

1-N14-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50@
0-Ant1-8.918-9.620-≤10-PASS

1-N14-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50
@0-Ant1-8.922-9.480-≤10-PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 20 of 37



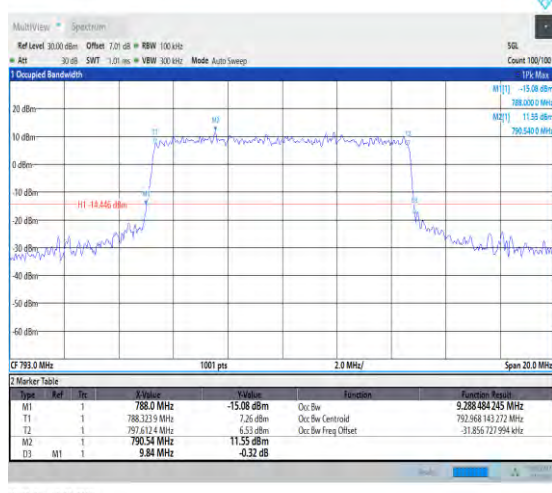
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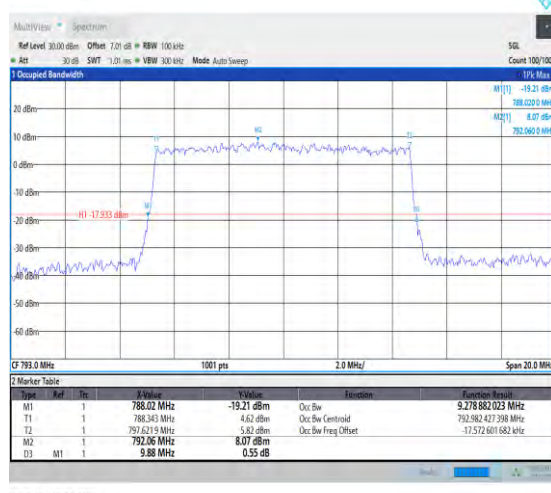
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Ant1-9.27-9.860-≤10-PASS



17:58:57 13.09.2022

1-N14-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-
Ant1-9.288-9.840-≤10-PASS



17:59:11 13.09.2022

1-N14-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-
Ant1-9.279-9.880-≤10-PASS



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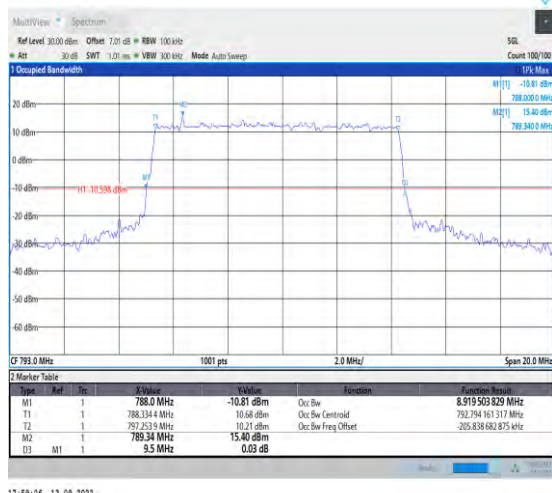
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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 21 of 37



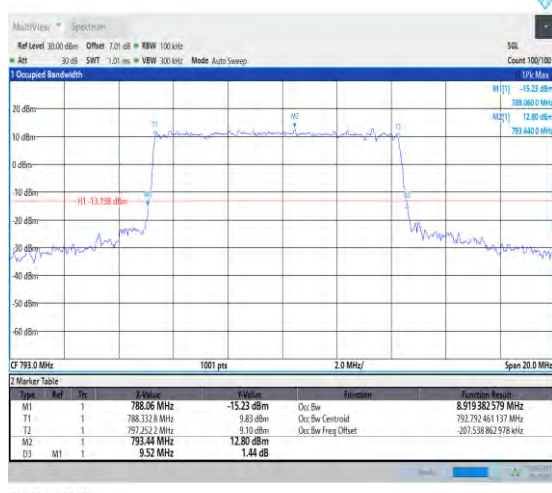
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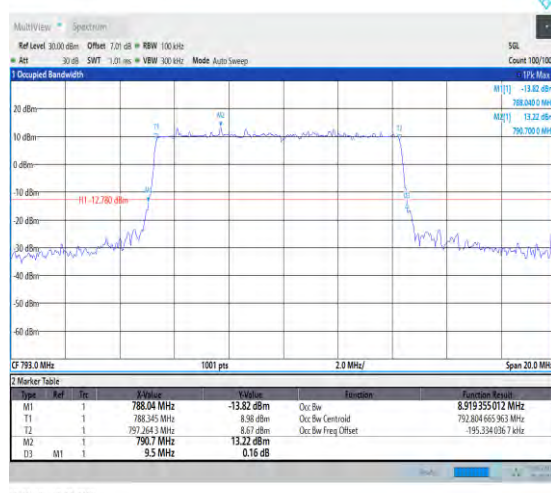
17:59:44 13.09.2022

1-N14-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0
-Ant1-8.92-9.500-≤10-PASS

1-N14-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant1-8.919-9.540-≤10-PASS



18:02:05 13.09.2022



18:02:16 13.09.2022

1-N14-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.919-9.520-≤10-PASS

1-N14-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.919-9.500-≤10-PASS



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Rev.: 01

Page: 22 of 37



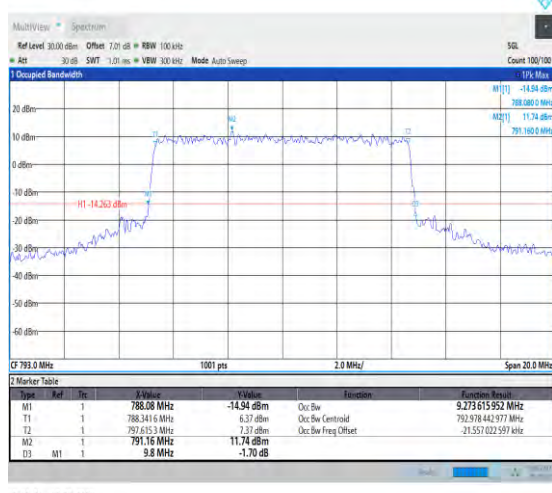
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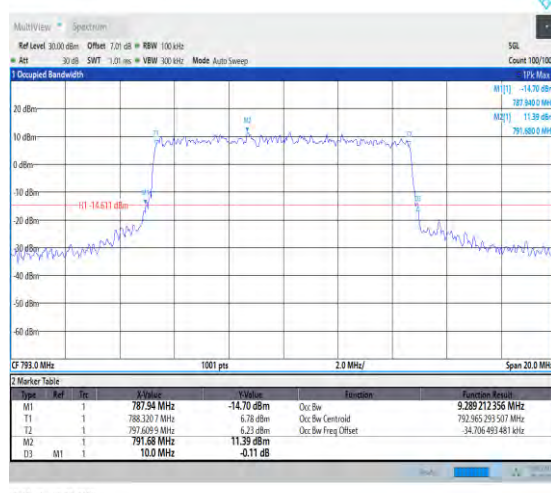
18:02:49 13.09.2022

1-N14-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-
Ant1-9.28-9.940-≤10-PASS



18:02:59 13.09.2022

1-N14-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0
-Ant1-9.274-9.800-≤10-PASS



18:03:10 13.09.2022

1-N14-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0
-Ant1-9.289-10.000-≤10-PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 23 of 37



18:03:24 13.09.2022

1-N14-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@
0-Ant1-9.285-9.900-≤10-PASS



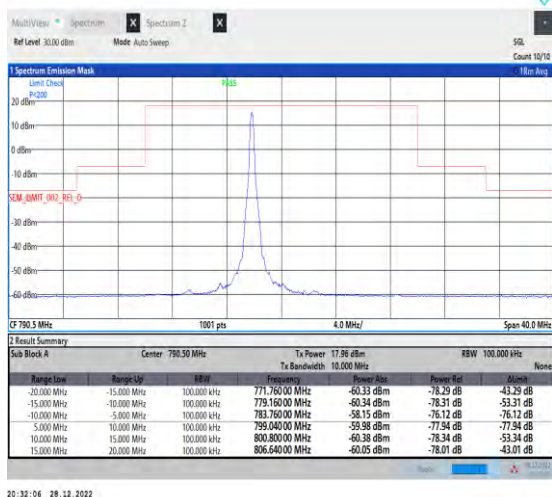
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Rev.: 01
Page: 24 of 37

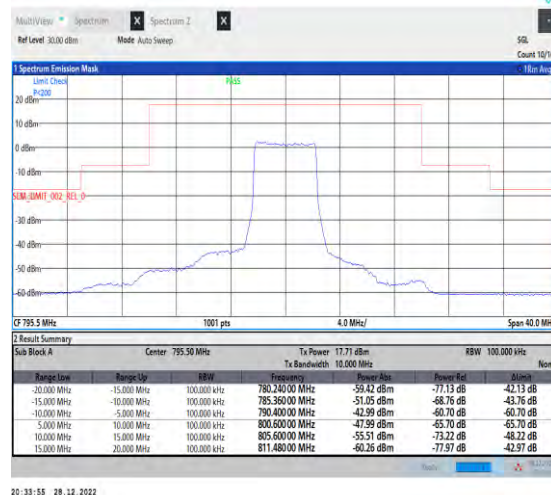
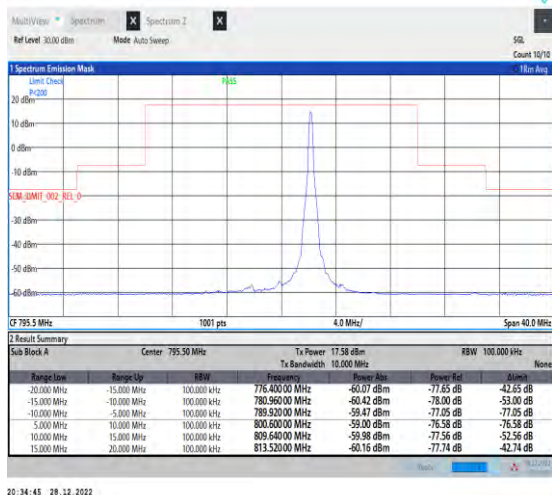
Emission mask

Test Graphs



1-N14-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1
@0-Ant1-1--PASS-see graph

1-N14-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-1--PASS-see graph



1-N14-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1
@24-Ant1-1--PASS-see graph

1-N14-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-1--PASS-see graph



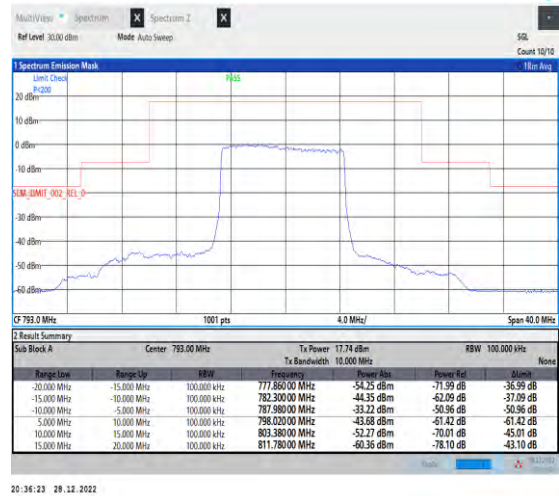
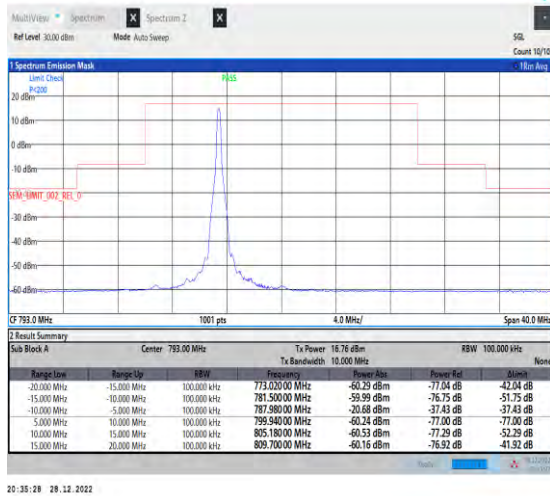
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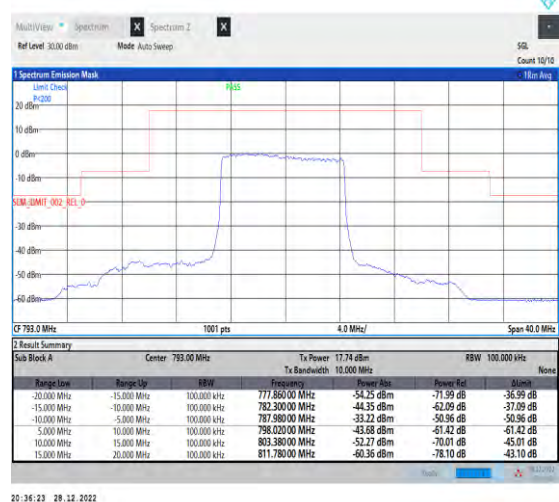
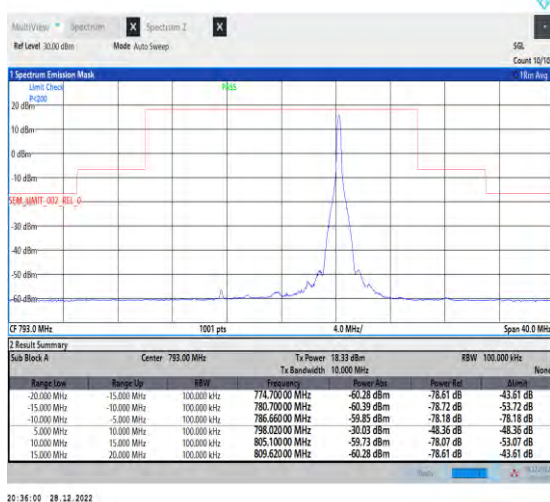
Rev.: 01

Page: 25 of 37



1-N14-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N14-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-5 0@0-Ant1-1--PASS-see graph



1-N14-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph

1-N14-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-5 0@0-Ant1-1--PASS-see graph



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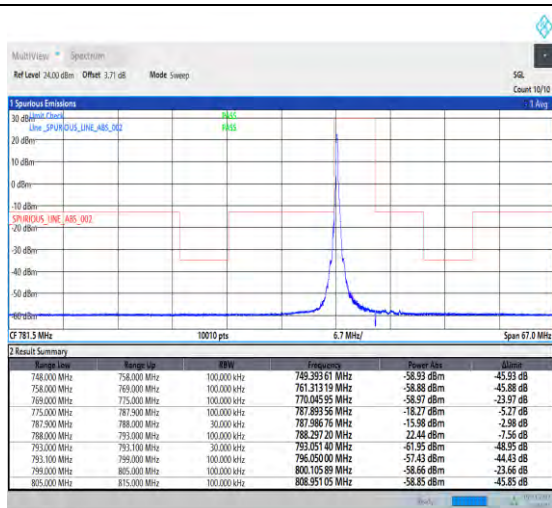
Report No.: SEWA2204000009RG02

Rev.: 01

Page: 26 of 37

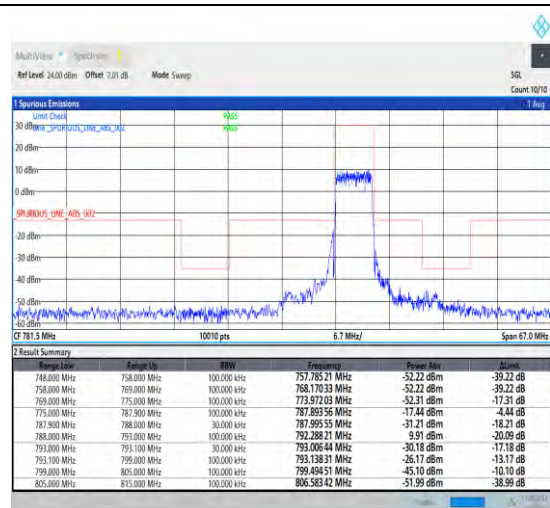
Band Edge for SA

Test Graphs



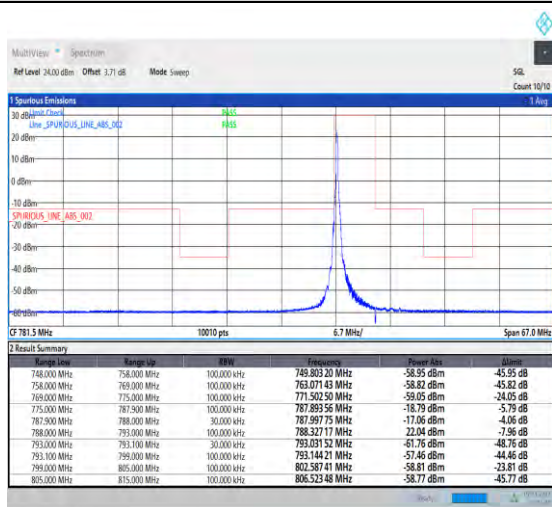
19:06:34 07.11.2022

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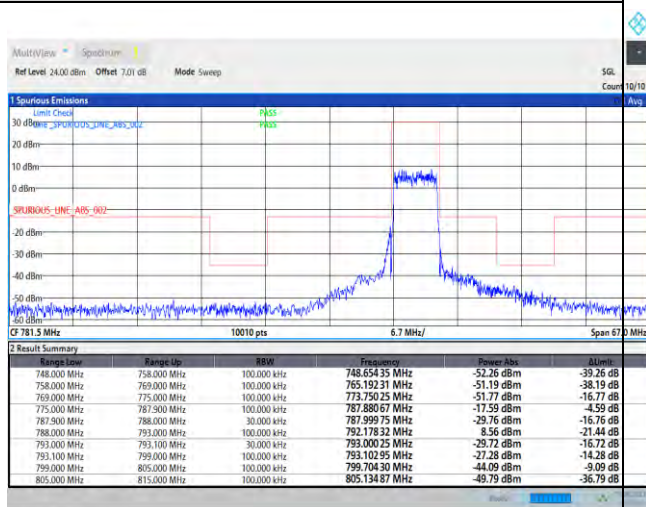
18:16:23 13.09.2022

1-N14-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25
@0-Ant1-1--PASS-see graph



19:26:42 07.11.2022

1-N14-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



18:16:54 13.09.2022

1-N14-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



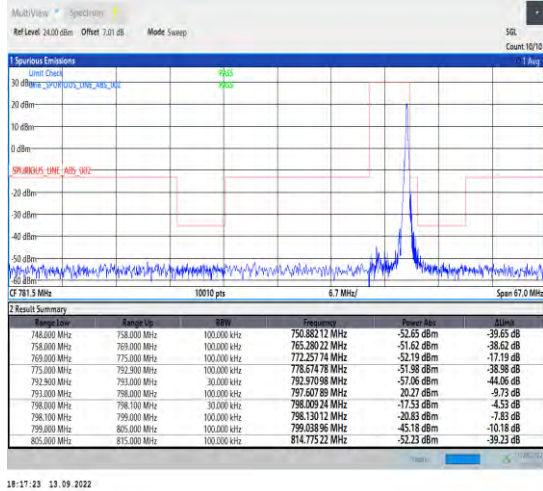
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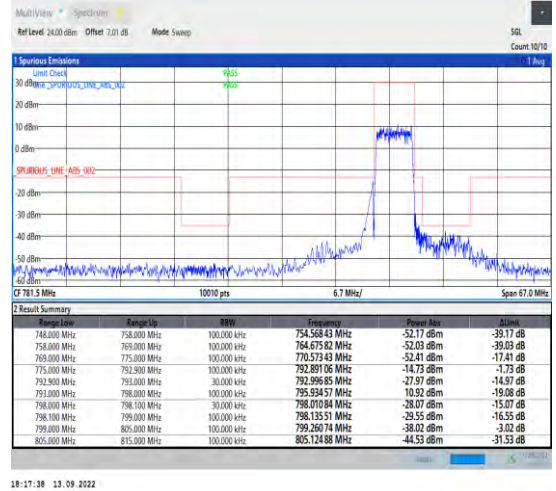
Rev.: 01

Page: 27 of 37



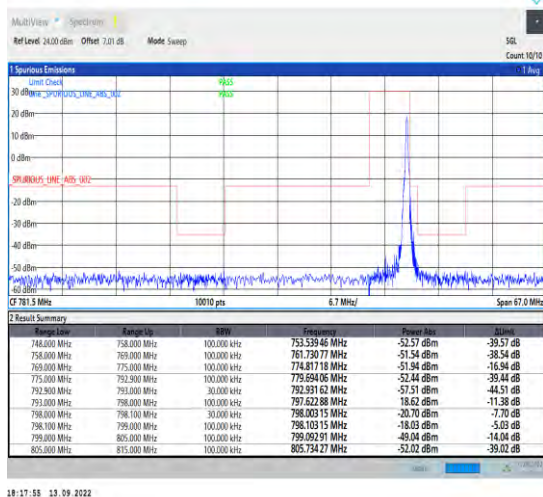
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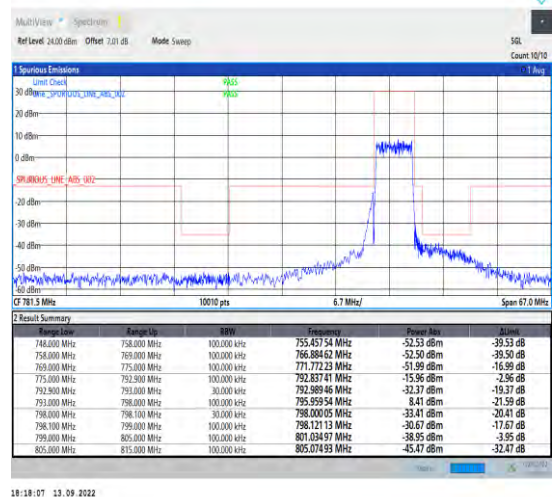
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1-N14-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



18:17:55 13.09.2022

1-N14-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



18:18:07 13.09.2022

1-N14-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



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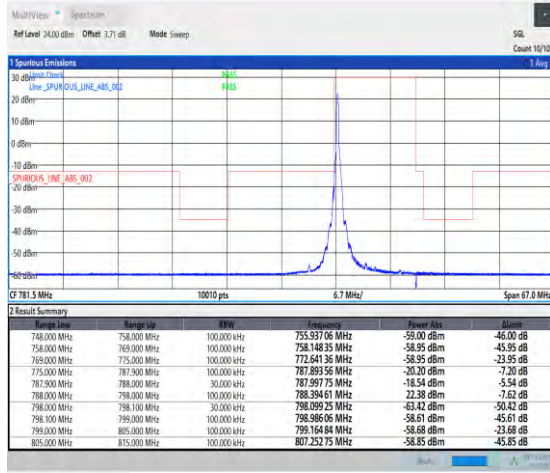
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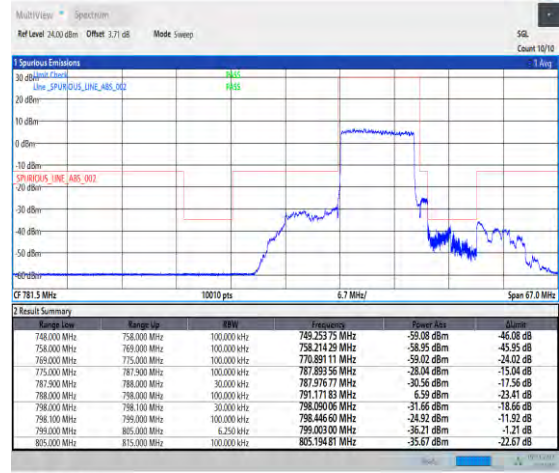
Rev.: 01

Page: 28 of 37



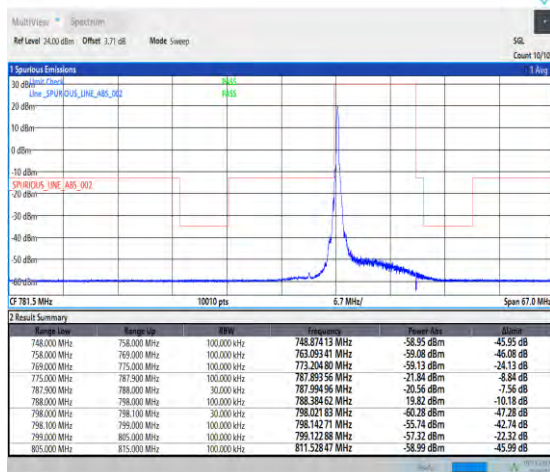
19:07:42 07.11.2022

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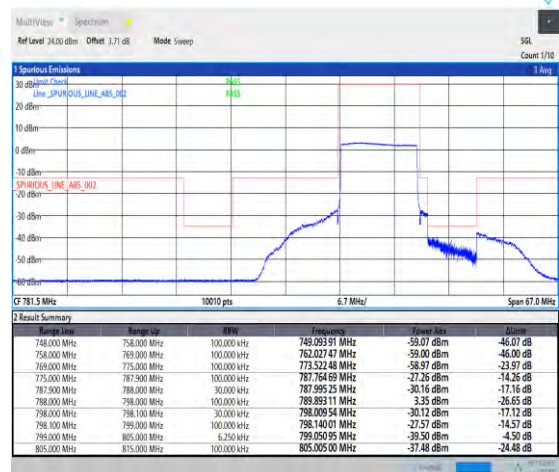
19:08:08 07.11.2022

1-N14-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



19:19:23 07.11.2022

1-N14-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



19:29:09 07.11.2022

1-N14-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



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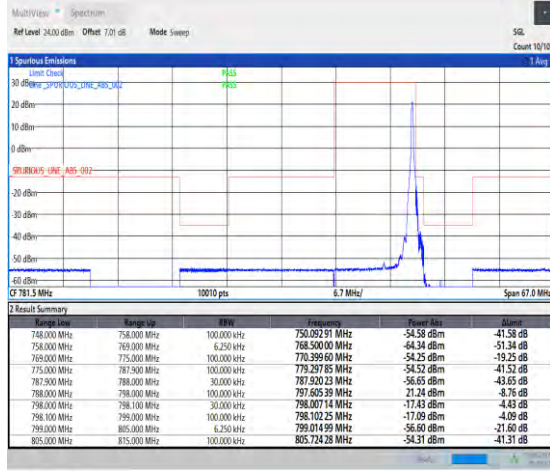
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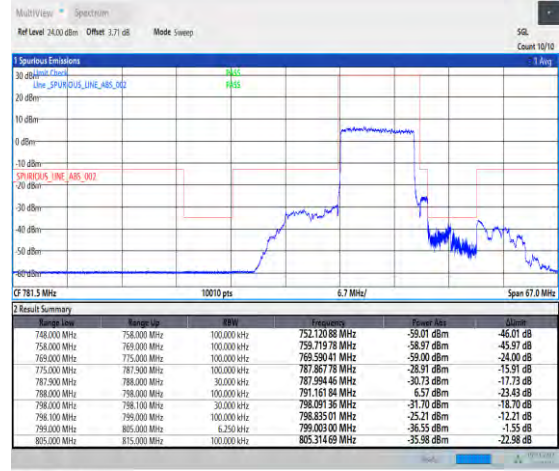
Report No.: SEWA2204000009RG02

Rev.: 01

Page: 29 of 37



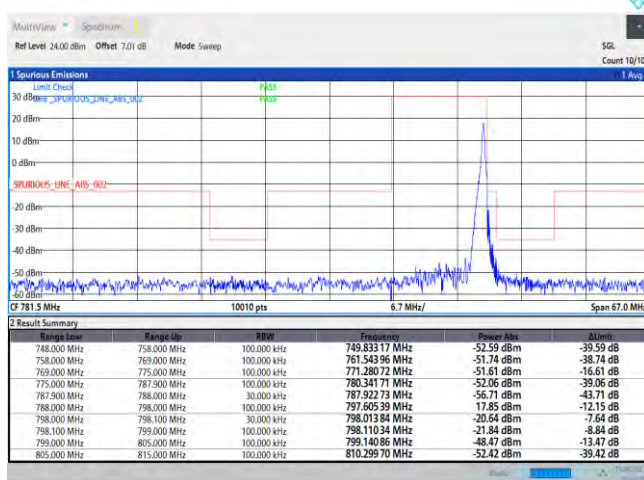
18:20:58 13.09.2022



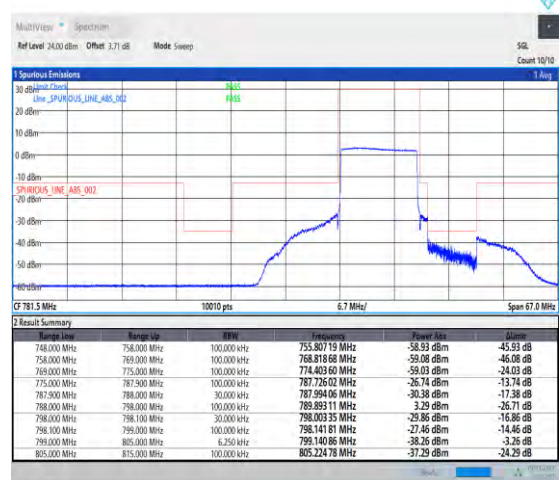
19:30:11 07.11.2022

1-N14-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@51-Ant1-1--PASS-see graph

1-N14-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



18:22:07 13.09.2022



19:32:27 07.11.2022

1-N14-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph

1-N14-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph



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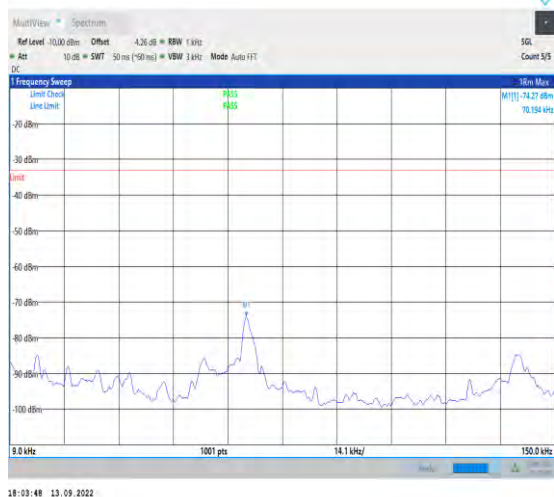
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Rev.: 01

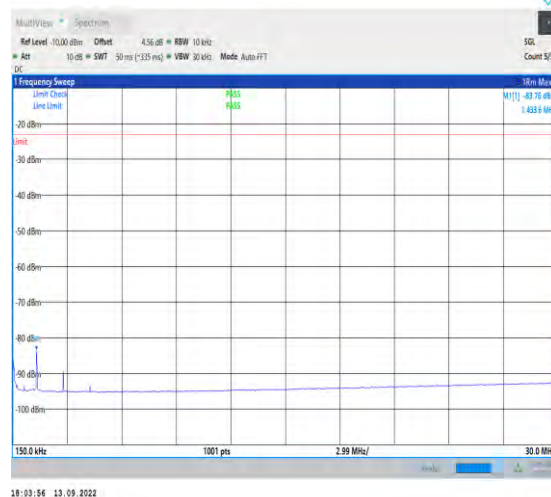
Page: 30 of 37

Conducted Spurious Emission for SA

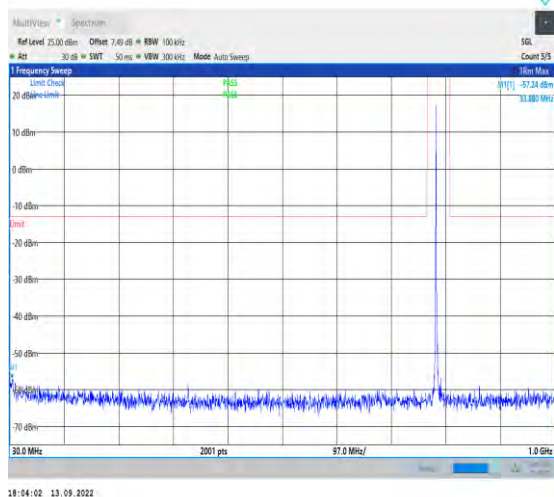
Test Graphs



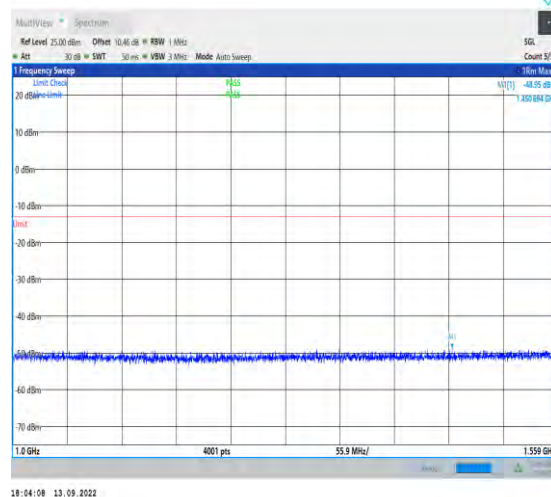
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eft-1@1-0.009-0.15-Ant1-0.04--74.27--33-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Lef
t-1@1-0.15-30-Ant1-0.51--83.76--23-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-30-1000-Ant1-32.43--57.24--13-PASS



1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_Lef
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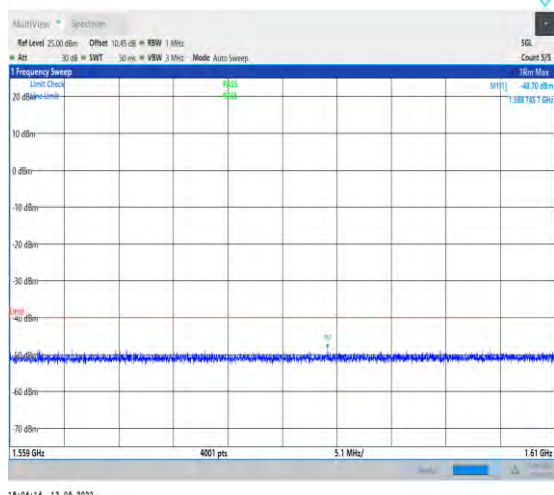
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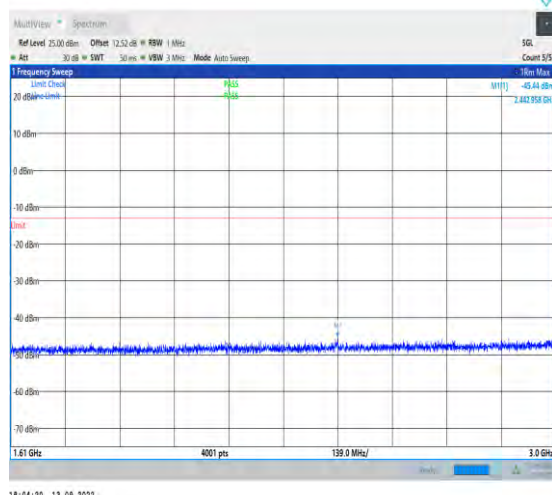
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Page: 31 of 37



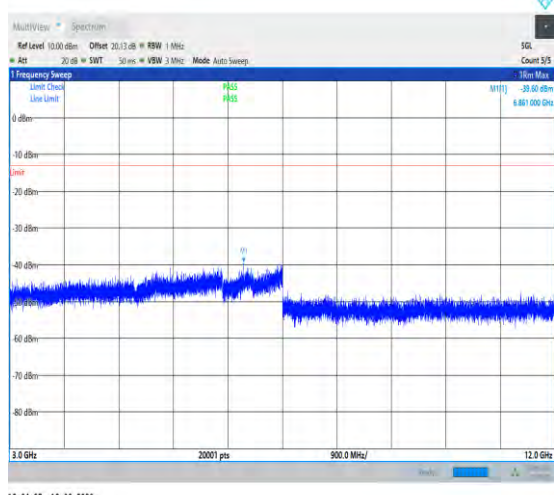
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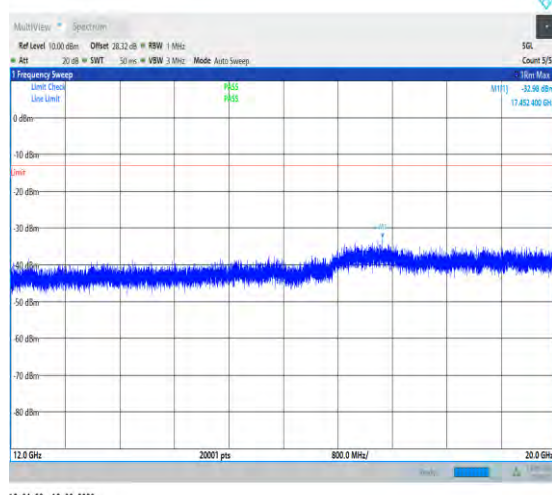
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18-04-27 13:09:22

1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant1-7444.65--39.60--13-PAS
S



18-04-30 13:09:22

1-N14-PC3-15-10-M-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-20000-Ant1-17434.40--32.98--13-PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 32 of 37

Field Strength of Spurious Radiation

Test Band = NR SA Band n14 BW 10M_ 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	1577.18	52.64	-48.51	25.58	-65.56	-40.00	25.56	263	102	Horizontal
2	2365.77	51.55	-47.60	27.63	-63.68	-13.00	50.68	265	114	Horizontal
3	3154.36	50.18	-46.39	29.54	-61.93	-13.00	48.93	296	230	Horizontal
4	3942.95	50.29	-45.52	30.46	-60.02	-13.00	47.02	241	334	Horizontal
5	4731.54	49.81	-44.57	31.96	-58.06	-13.00	45.06	178	0	Horizontal
6	5520.13	50.71	-43.76	32.67	-55.64	-13.00	42.64	209	66	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	1577.18	53.10	-48.51	25.58	-65.10	-40.00	25.10	102	197	Vertical
2	2365.77	51.71	-47.60	27.63	-63.52	-13.00	50.52	142	3	Vertical
3	3154.36	50.99	-46.39	29.54	-61.12	-13.00	48.12	263	129	Vertical
4	3942.95	50.13	-45.52	30.46	-60.18	-13.00	47.18	265	37	Vertical
5	4731.54	50.57	-44.57	31.96	-57.30	-13.00	44.30	244	345	Vertical
6	5520.13	50.28	-43.76	32.67	-56.07	-13.00	43.07	185	185	Vertical



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Rev.: 01

Page: 33 of 37

Test Band = NR SA Band n14 BW 5M_ 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	1576.68	52.34	-48.51	25.58	-65.86	-40.00	25.86	263	254	Horizontal
2	2365.02	51.67	-47.60	27.63	-63.56	-13.00	50.56	265	196	Horizontal
3	3153.36	51.69	-46.39	29.54	-60.43	-13.00	47.43	241	92	Horizontal
4	3941.7	49.99	-45.52	30.46	-60.33	-13.00	47.33	185	116	Horizontal
5	4730.04	50.47	-44.57	31.95	-57.41	-13.00	44.41	266	0	Horizontal
6	5518.38	50.25	-43.76	32.66	-56.11	-13.00	43.11	201	58	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	1576.68	52.41	-48.51	25.58	-65.79	-40.00	25.79	102	3	Vertical
2	2365.02	52.97	-47.60	27.63	-62.26	-13.00	49.26	142	339	Vertical
3	3153.36	50.83	-46.39	29.54	-61.29	-13.00	48.29	265	93	Vertical
4	3941.7	50.25	-45.52	30.46	-60.07	-13.00	47.07	284	360	Vertical
5	4730.04	50.46	-44.57	31.95	-57.42	-13.00	44.42	144	213	Vertical
6	5518.38	50.79	-43.76	32.66	-55.57	-13.00	42.57	263	190	Vertical



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Page: 34 of 37

Test Band = NR SA Band n14 BW 5M_ 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	1581.68	52.34	-48.51	25.58	-65.85	-40.00	25.85	201	6	Horizontal
2	2372.52	51.06	-47.60	27.65	-64.16	-13.00	51.16	142	335	Horizontal
3	3163.36	50.49	-46.37	29.53	-61.60	-13.00	48.60	263	114	Horizontal
4	3954.2	49.36	-45.51	30.49	-60.92	-13.00	47.92	265	149	Horizontal
5	4745.04	50.19	-44.58	31.99	-57.66	-13.00	44.66	295	57	Horizontal
6	5535.88	50.23	-43.74	32.72	-56.06	-13.00	43.06	241	137	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	1581.68	52.21	-48.51	25.58	-65.98	-40.00	25.98	201	338	Vertical
2	2372.52	52.85	-47.60	27.65	-62.37	-13.00	49.37	142	280	Vertical
3	3163.36	49.97	-46.37	29.53	-62.12	-13.00	49.12	263	303	Vertical
4	3954.2	49.58	-45.51	30.49	-60.70	-13.00	47.70	263	328	Vertical
5	4745.04	50.38	-44.58	31.99	-57.47	-13.00	44.47	255	223	Vertical
6	5535.88	50.18	-43.74	32.72	-56.11	-13.00	43.11	108	347	Vertical



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 35 of 37

Test Band = NR SA Band n14 BW 5M_ 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	1586.68	52.39	-48.52	25.59	-65.80	-40.00	25.80	201	106	Horizontal
2	2380.02	52.54	-47.60	27.66	-62.66	-13.00	49.66	142	140	Horizontal
3	3173.36	51.35	-46.34	29.53	-60.72	-13.00	47.72	263	1	Horizontal
4	3966.7	49.42	-45.51	30.52	-60.83	-13.00	47.83	254	0	Horizontal
5	4760.04	51.21	-44.59	32.03	-56.61	-13.00	43.61	152	70	Horizontal
6	5553.38	49.84	-43.73	32.77	-56.37	-13.00	43.37	214	129	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	1586.68	51.94	-48.52	25.59	-66.25	-40.00	26.25	263	278	Vertical
2	2380.02	51.83	-47.60	27.66	-63.37	-13.00	50.37	201	289	Vertical
3	3173.36	50.80	-46.34	29.53	-61.27	-13.00	48.27	144	243	Vertical
4	3966.7	49.53	-45.51	30.52	-60.72	-13.00	47.72	162	302	Vertical
5	4760.04	50.62	-44.59	32.03	-57.20	-13.00	44.20	295	186	Vertical
6	5553.38	49.29	-43.73	32.77	-56.92	-13.00	43.92	218	268	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 36 of 37

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VH	NT	4.500000	0.005675	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VN	NT	1.400000	0.001765	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	VL	NT	3.900000	0.004918	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VH	NT	2.800000	0.003531	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VN	NT	5.500000	0.006936	PASS
N14	15	10	CP-QPSK	M	Outer_Full	VL	NT	4.900000	0.006179	PASS



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Report No.: SEWA2204000009RG02

Rev.: 01

Page: 37 of 37

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-30	2.700000	0.003405	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-20	6.000000	0.007566	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	-10	6.200000	0.007818	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	0	3.700000	0.004666	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	10	2.900000	0.003657	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	20	2.000000	0.002522	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	30	4.100000	0.005170	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	40	7.400000	0.009332	PASS
N14	15	10	DFT-PI2BPSK	M	Outer_Full	NV	50	2.400000	0.003026	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-30	8.000000	0.010088	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-20	5.600000	0.007062	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	-10	3.600000	0.004540	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	0	4.200000	0.005296	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	10	2.300000	0.002900	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	20	3.000000	0.003783	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	30	2.700000	0.003405	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	40	5.200000	0.006557	PASS
N14	15	10	CP-QPSK	M	Outer_Full	NV	50	3.700000	0.004666	PASS

 $|\text{MAX}(\Delta f)| = 8\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.562354	$\geq 788\text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	797.456982	$\leq 798\text{ MHz}$	

---End of Attachment---



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