



Report No.: SEWA2208000035RG01

Rev.: 01

Page: 1 of 56

# Appendix B.8

## LTE Band 25



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 2 of 56

## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	22.83	24.42	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.94	24.53	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.88	24.47	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.94	23.53	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.76	24.35	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.93	24.52	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.79	24.38	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.83	23.42	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.74	24.33	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.79	24.38	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.74	24.33	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.89	23.48	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.16	23.75	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.39	23.98	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.23	23.82	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.1	22.69	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.13	23.72	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.31	23.9	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.16	23.75	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.97	22.56	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.01	23.6	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.07	23.66	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.85	23.44	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.96	22.55	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.93	24.52	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.97	24.56	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.97	24.56	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.01	23.6	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.86	24.45	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.91	24.5	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.89	24.48	33	PASS



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 3 of 56

Band25	3MHz	QPSK	26365	15RB#0	21.94	23.53	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.83	24.42	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.83	24.42	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.77	24.36	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.02	23.61	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.25	23.84	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.35	23.94	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.22	23.81	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.06	22.65	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.21	23.8	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.21	23.8	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.27	23.86	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	21	22.59	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.06	23.65	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.03	23.62	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.95	23.54	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.93	22.52	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.96	24.55	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.97	24.56	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.96	24.55	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.99	23.58	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.92	24.51	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.83	24.42	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.96	24.55	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.95	23.54	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.81	24.4	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.86	24.45	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.75	24.34	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.98	23.57	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.35	23.94	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.31	23.9	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.36	23.95	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.08	22.67	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.19	23.78	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.33	23.92	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.33	23.92	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.98	22.57	33	PASS



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 4 of 56

Band25	5MHz	16QAM	26665	1RB#0	22.14	23.73	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.1	23.69	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.97	23.56	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.93	22.52	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.95	24.54	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.01	24.6	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.96	24.55	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.03	23.62	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.87	24.46	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.91	24.5	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.92	24.51	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.96	23.55	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.87	24.46	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.83	24.42	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.81	24.4	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.98	23.57	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.32	23.91	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.29	23.88	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.27	23.86	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.04	22.63	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.21	23.8	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.35	23.94	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.34	23.93	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	21.02	22.61	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.17	23.76	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.24	23.83	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.08	23.67	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.02	22.61	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.91	24.5	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.92	24.51	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.87	24.46	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.93	23.52	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.84	24.43	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.94	24.53	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.91	24.5	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.95	23.54	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.73	24.32	33	PASS



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 5 of 56

Band25	15MHz	QPSK	26615	1RB#38	22.87	24.46	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.79	24.38	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.93	23.52	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.3	23.89	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.33	23.92	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.17	23.76	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.98	22.57	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.14	23.73	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.2	23.79	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.23	23.82	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.02	22.61	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.11	23.7	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.32	23.91	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.09	23.68	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.96	22.55	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.92	24.51	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	23	24.59	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.81	24.4	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.95	23.54	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.88	24.47	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.96	24.55	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.93	24.52	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.99	23.58	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.85	24.44	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.84	24.43	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.81	24.4	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.01	23.6	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.24	23.83	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.31	23.9	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.13	23.72	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.97	22.56	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.21	23.8	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.14	23.73	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.34	23.93	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.99	22.58	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.07	23.66	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.09	23.68	33	PASS



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 6 of 56

Band25	20MHz	16QAM	26590	1RB#99	21.94	23.53	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.03	22.62	33	PASS



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 7 of 56

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	5.34	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	5.58	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.34	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.12	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	6.50	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	6.14	13	PASS



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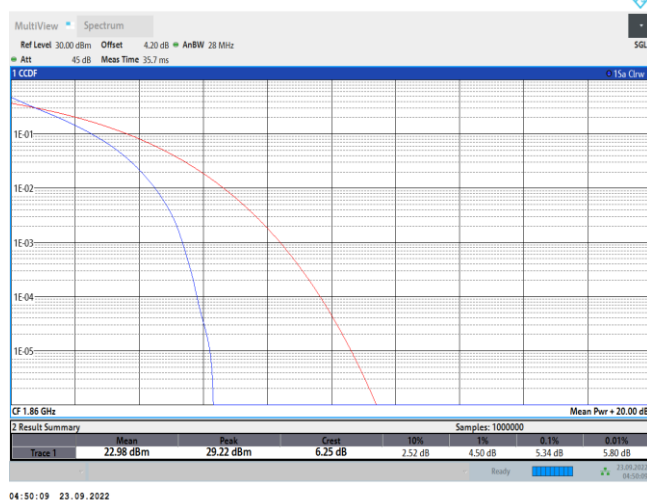
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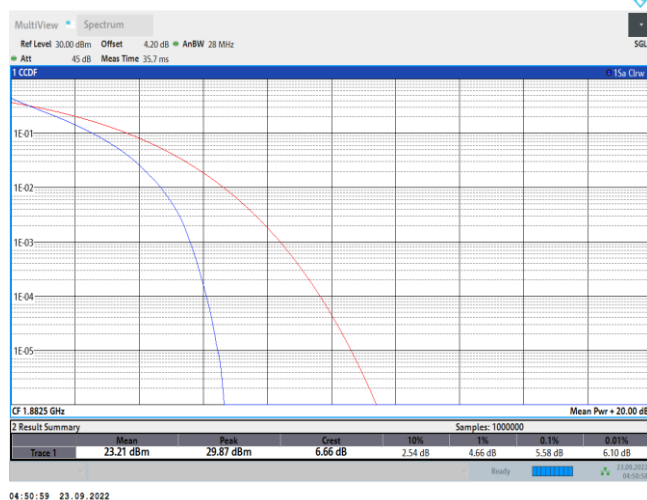
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### Test Graphs

Band25-20MHz-QPSK-26140-100RB#0



Band25-20MHz-QPSK-26365-100RB#0



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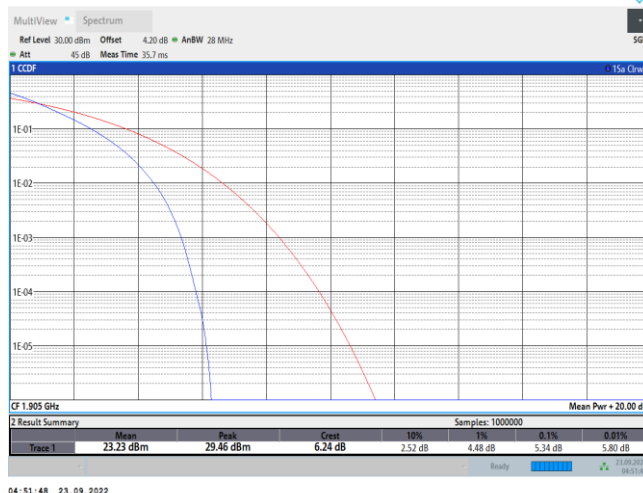


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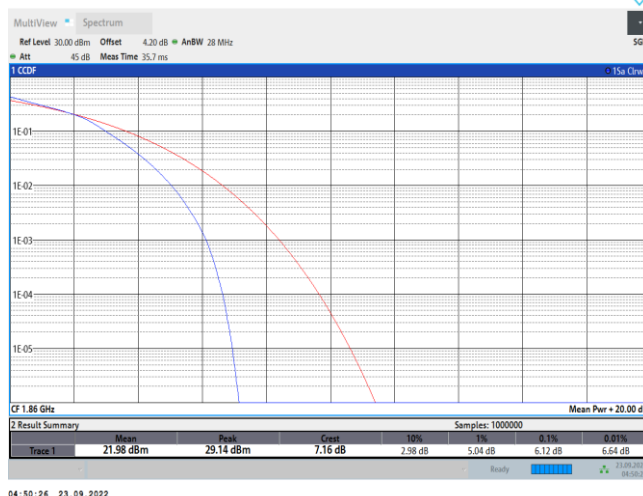
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Page: 9 of 56

### Band25-20MHz-QPSK-26590-100RB#0



### Band25-20MHz-16QAM-26140-100RB#0



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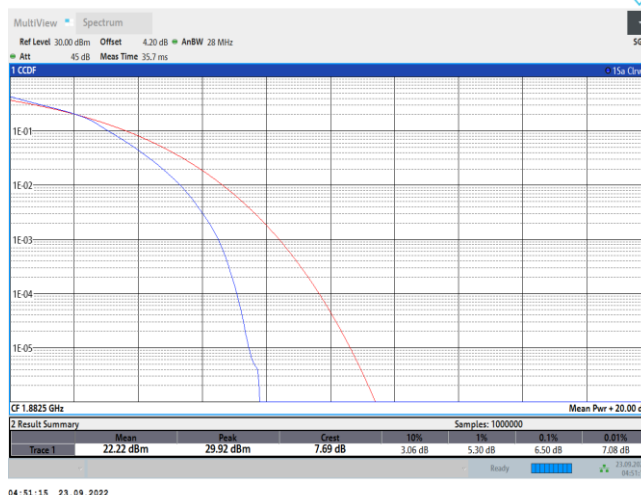
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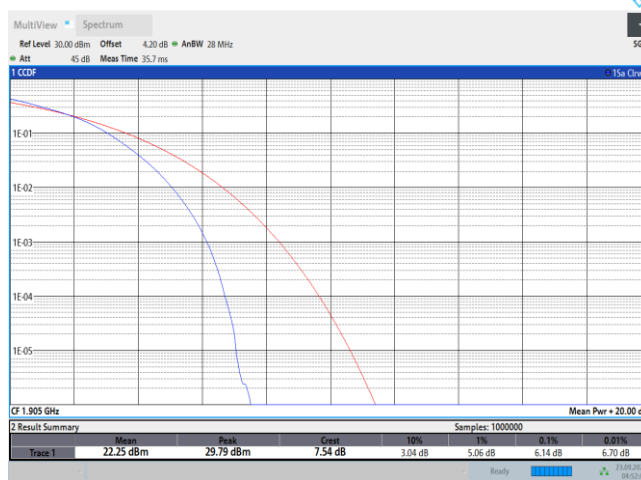
Page: 10 of 56

### Band25-20MHz-16QAM-26365-100RB#0



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### Band25-20MHz-16QAM-26590-100RB#0



04:52:05 23.09.2022



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 11 of 56

## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band25	20MHz	QPSK	26365	100RB#0	PASS	PASS
Band25	20MHz	16QAM	26365	100RB#0	PASS	PASS



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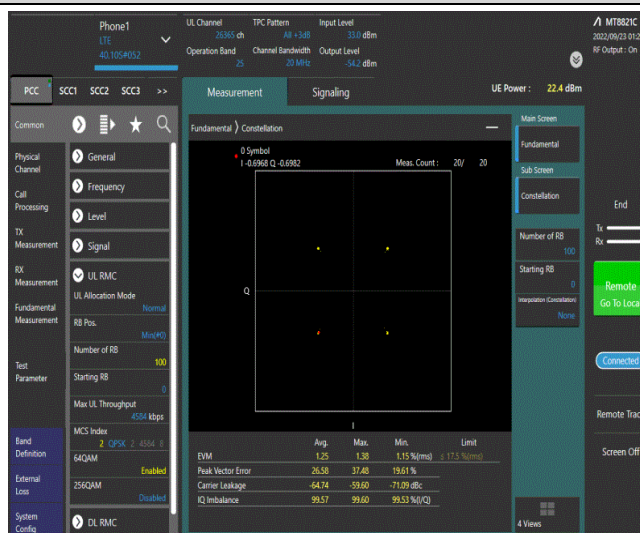
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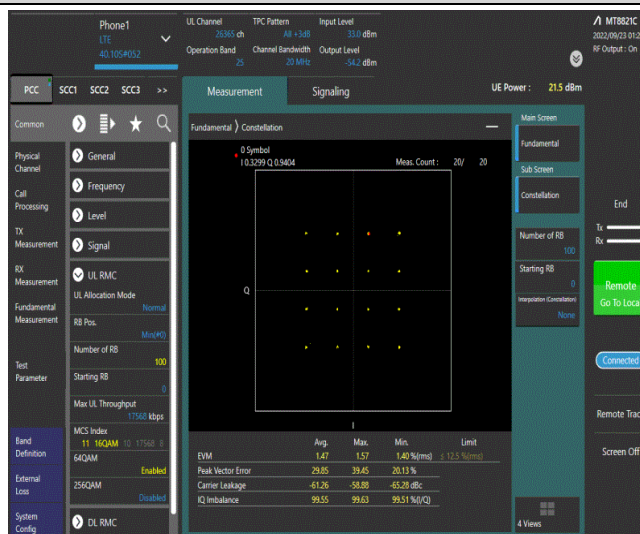
Page: 12 of 56

### Test Graphs

Band25-20MHz-QPSK-26365-100RB#0



Band25-20MHz-16QAM-26365-100RB#0



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 13 of 56

## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.086	1.22	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.087	1.24	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.088	1.24	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.094	1.23	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.094	1.24	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.095	1.25	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.692	2.99	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.692	2.98	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.693	2.98	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.688	2.99	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.689	2.99	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.687	2.98	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.473	4.91	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.472	4.90	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.469	4.87	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.468	4.91	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.472	4.91	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.465	4.92	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.937	9.68	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.935	9.70	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.926	9.60	PASS
Band25	10MHz	16QAM	26090	50RB#0	8.916	9.66	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.92	9.64	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.908	9.60	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.452	14.76	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.478	14.70	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.477	14.67	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.444	14.76	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.464	14.85	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.449	14.70	PASS



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Rev.: 01

Page: 14 of 56

Band25	20MHz	QPSK	26140	100RB#0	17.905	19.36	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.948	19.52	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.932	19.28	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.87	19.32	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.892	19.36	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.888	19.44	PASS



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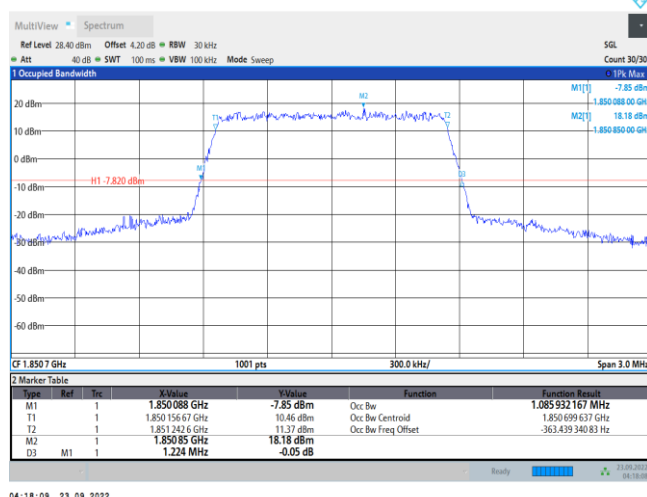
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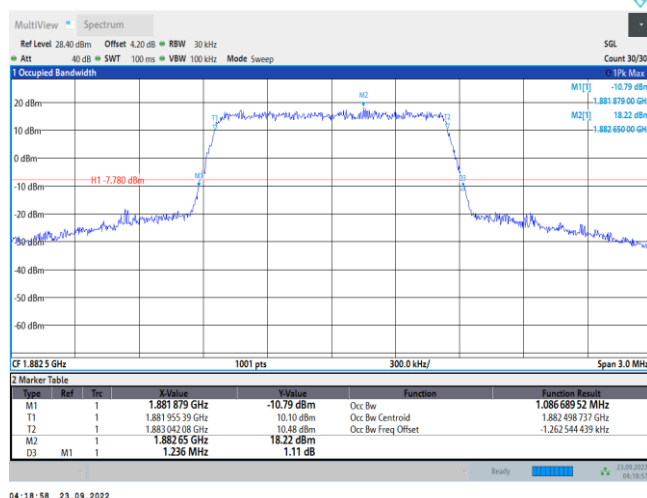
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### Test Graphs

Band25-1.4MHz-QPSK-26047-6RB#0



Band25-1.4MHz-QPSK-26365-6RB#0

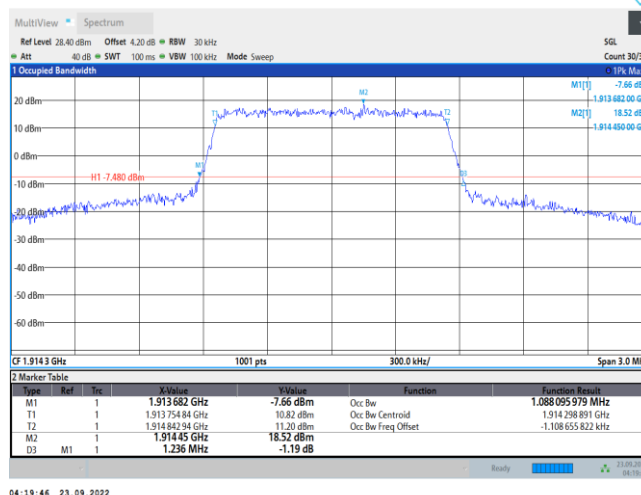


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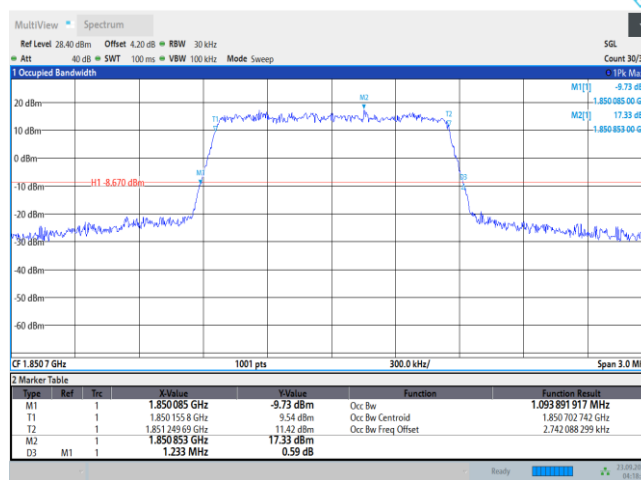
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### Band25-1.4MHz-QPSK-26683-6RB#0



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### Band25-1.4MHz-16QAM-26047-6RB#0



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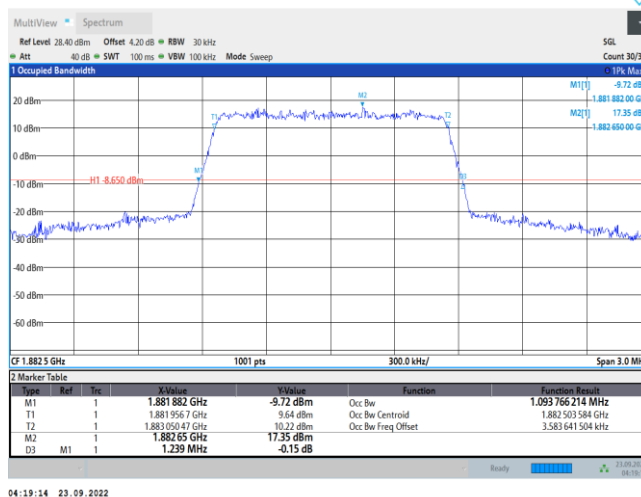


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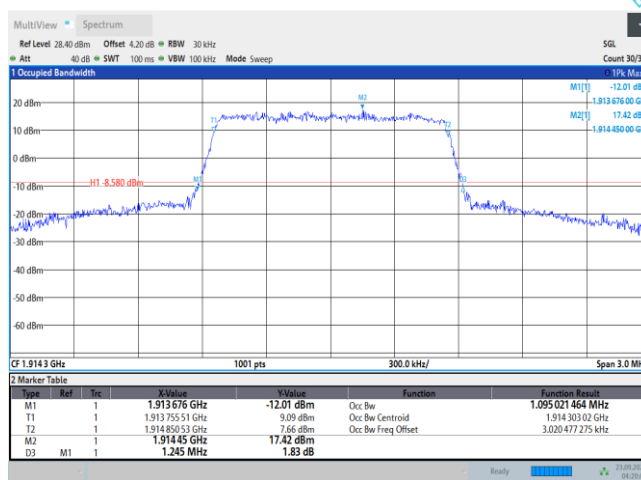
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### Band25-1.4MHz-16QAM-26365-6RB#0



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### Band25-1.4MHz-16QAM-26683-6RB#0



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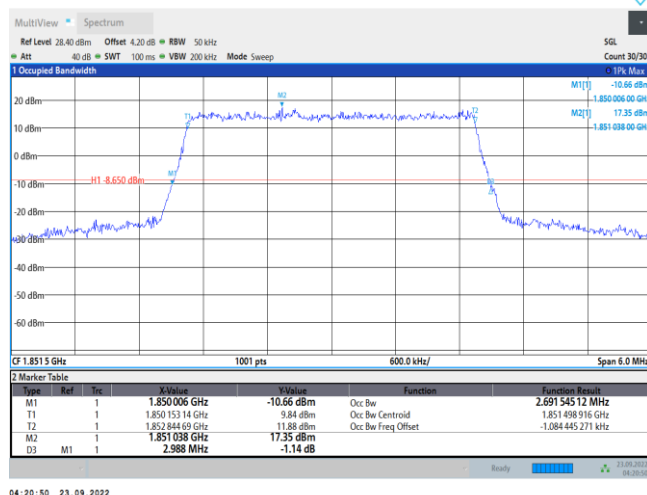
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### Band25-3MHz-QPSK-26055-15RB#0



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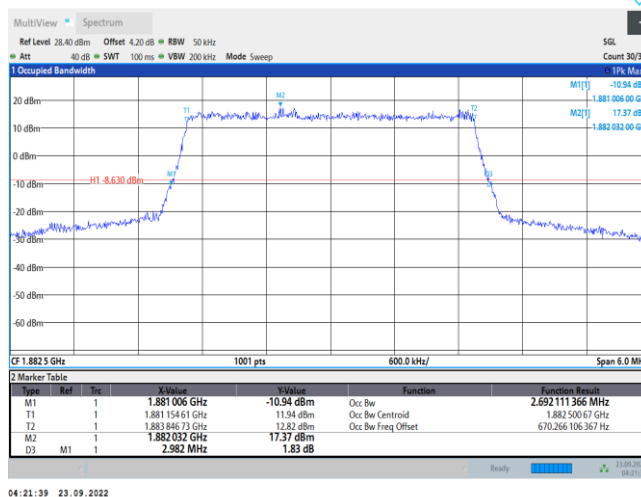
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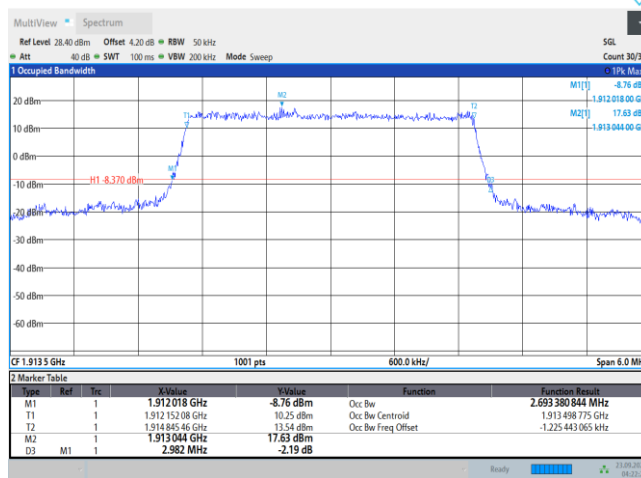
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### Band25-3MHz-QPSK-26365-15RB#0



04:21:39 23.09.2022

### Band25-3MHz-QPSK-26675-15RB#0



04:22:27 23.09.2022



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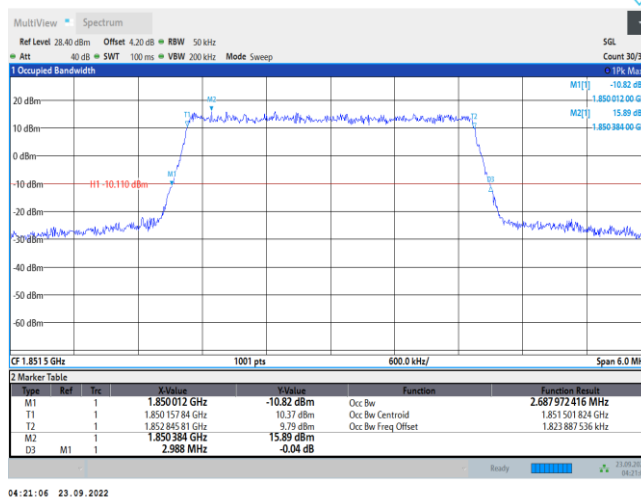
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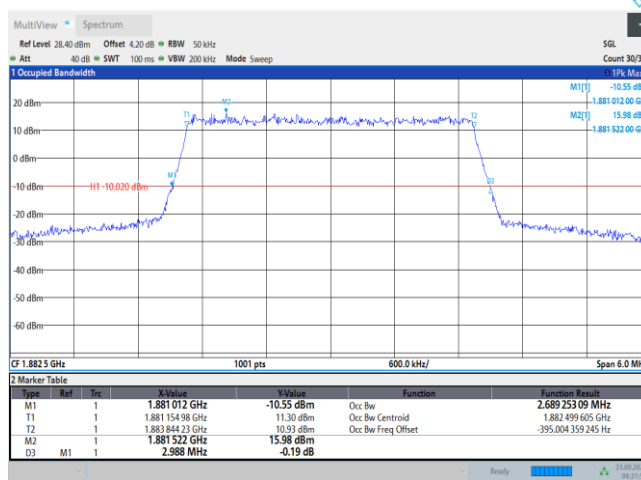
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### Band25-3MHz-16QAM-26055-15RB#0



04:21:06 23.09.2022

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04:21:55 23.09.2022

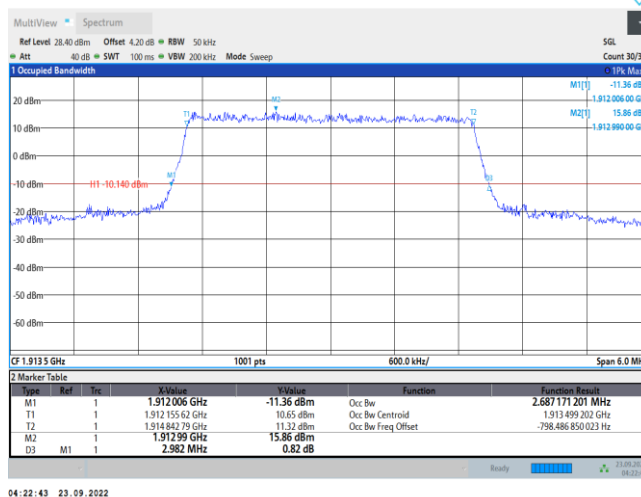


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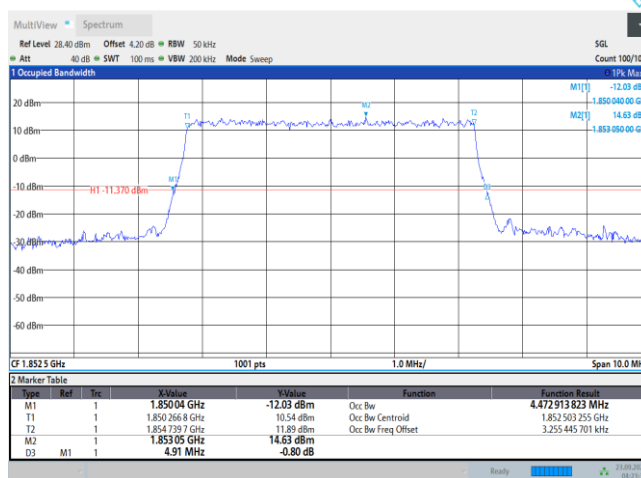
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04:22:43 23.09.2022

### Band25-5MHz-QPSK-26065-25RB#0



04:23:36 23.09.2022



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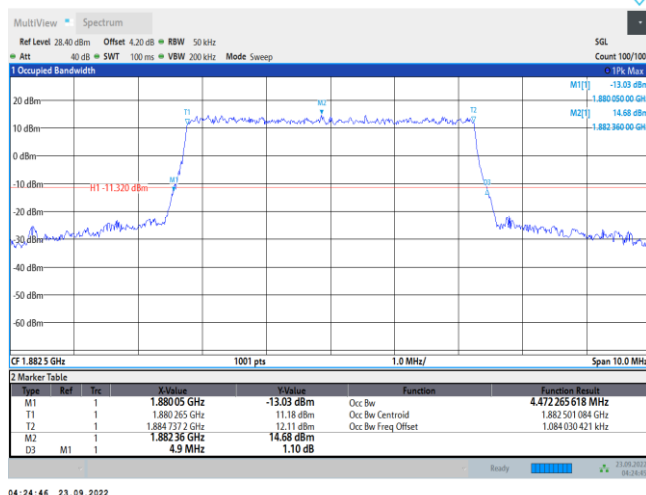
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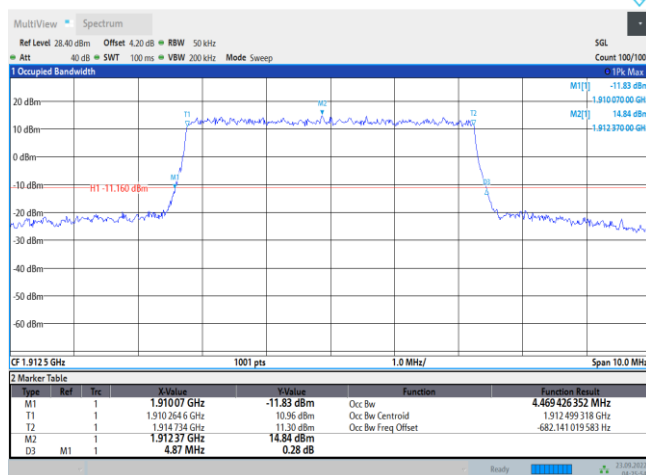
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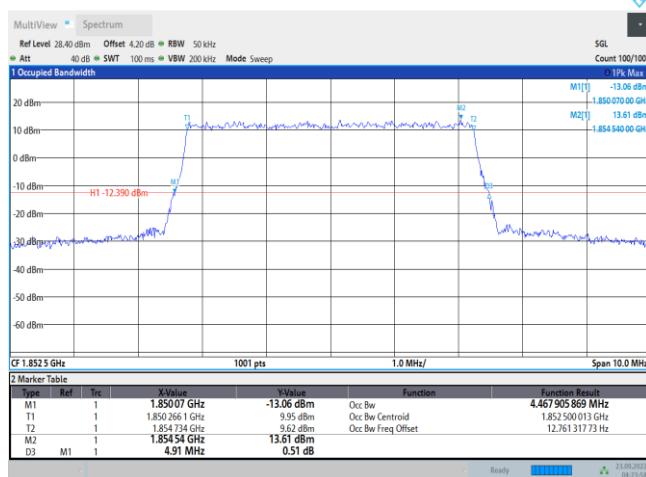
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Report No.: SEWA2208000035RG01

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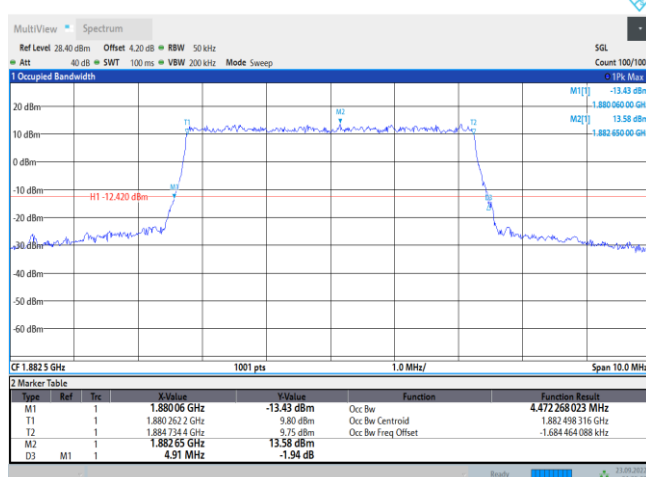
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04:23:59 23.09.2022

### Band25-5MHz-16QAM-26365-25RB#0



04:25:09 23.09.2022



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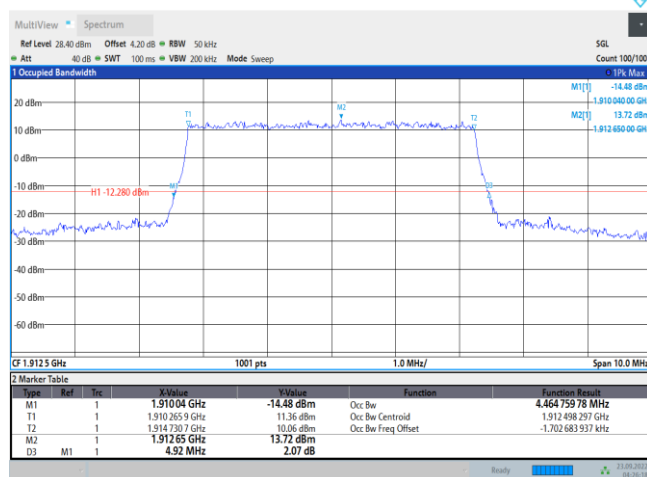
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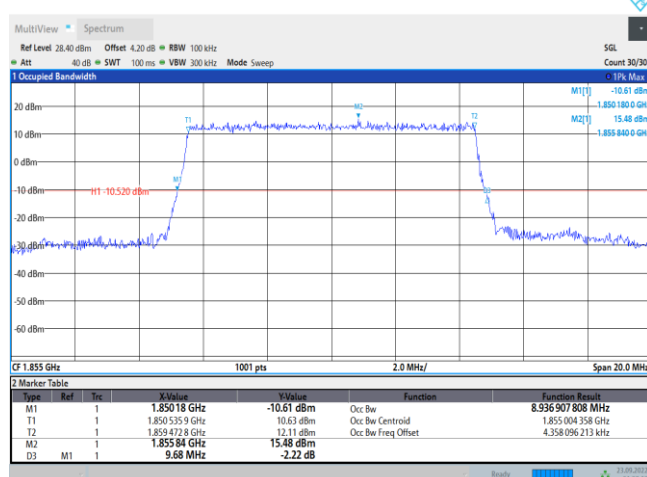
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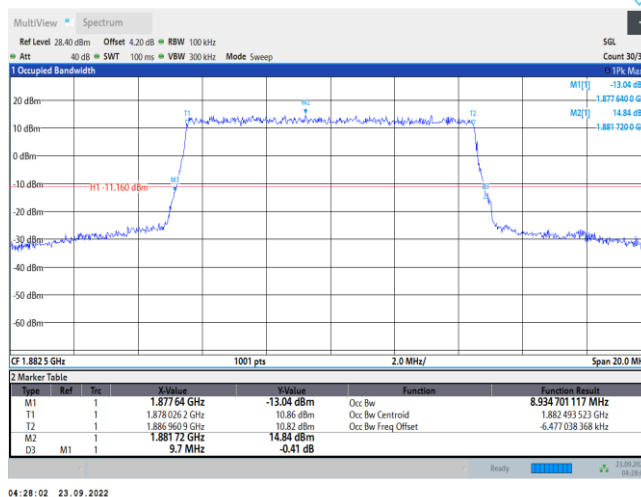


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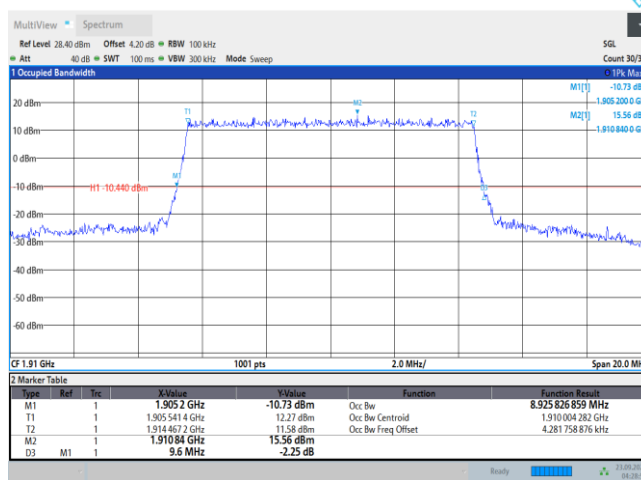
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### Band25-10MHz-QPSK-26365-50RB#0



04:28:02 23.09.2022

### Band25-10MHz-QPSK-26640-50RB#0



04:28:50 23.09.2022



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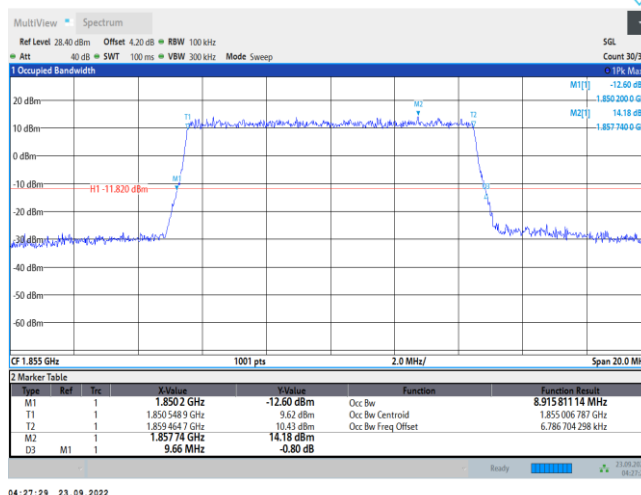
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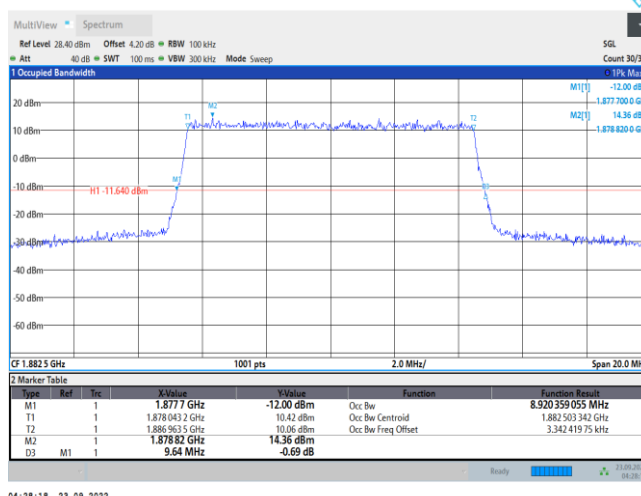
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04:27:29 23.09.2022

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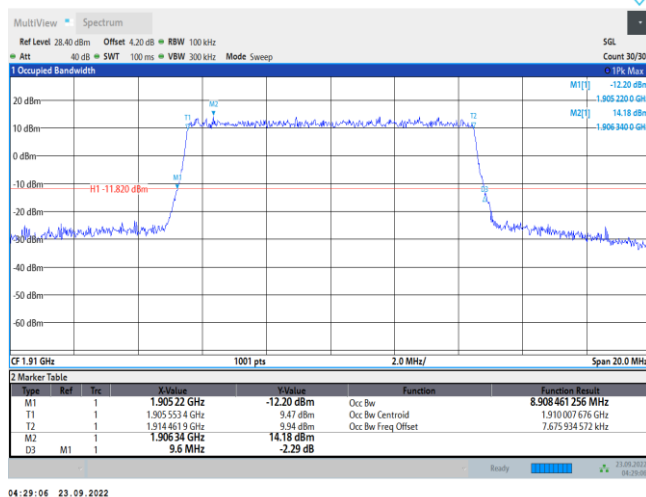
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Report No.: SEWA2208000035RG01

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Page: 27 of 56

### Band25-10MHz-16QAM-26640-50RB#0



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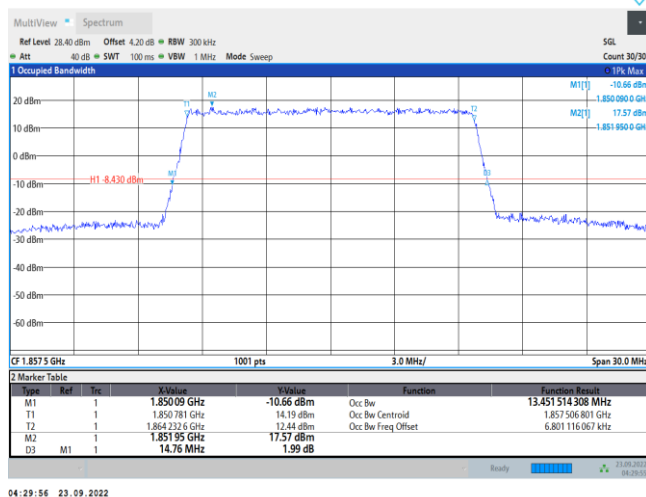
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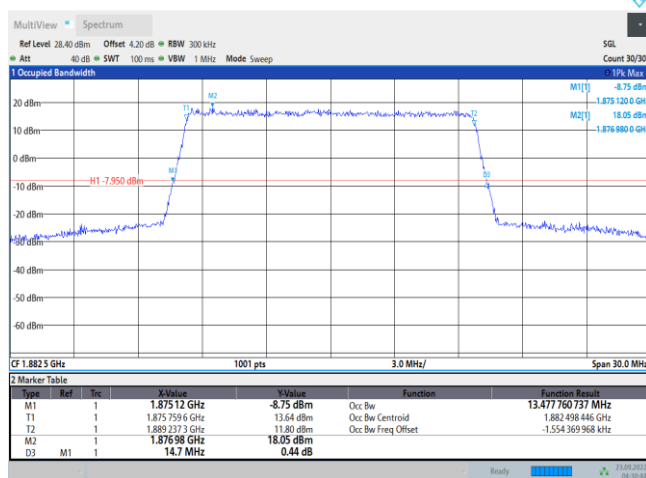
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04:29:56 23.09.2022

### Band25-15MHz-QPSK-26365-75RB#0



04:30:44 23.09.2022



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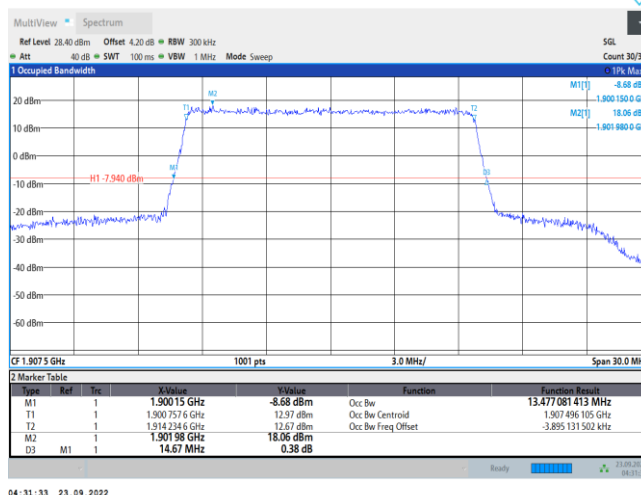
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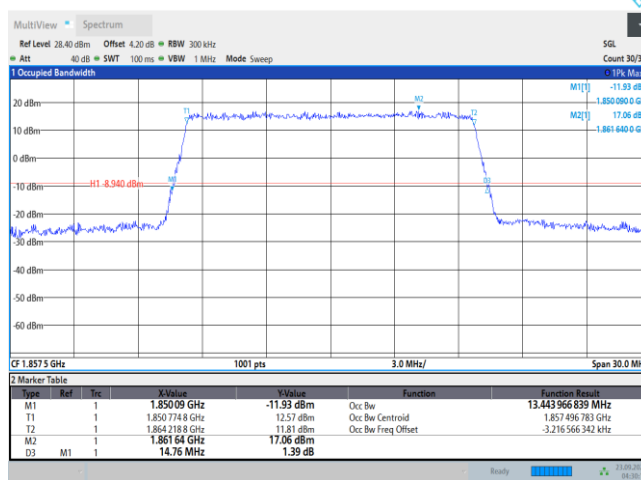
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### Band25-15MHz-QPSK-26615-75RB#0



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### Band25-15MHz-16QAM-26115-75RB#0



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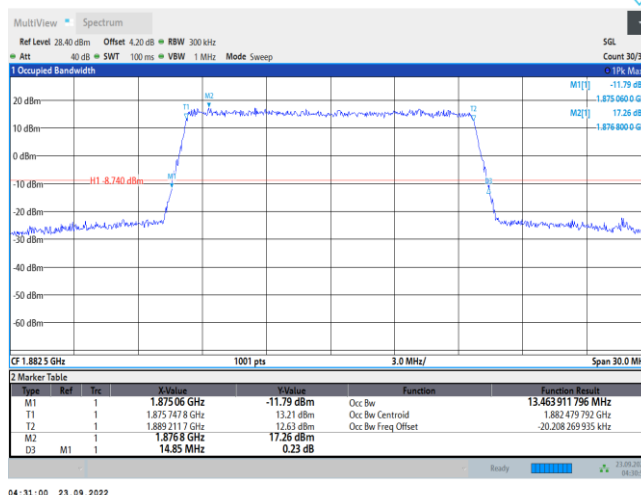


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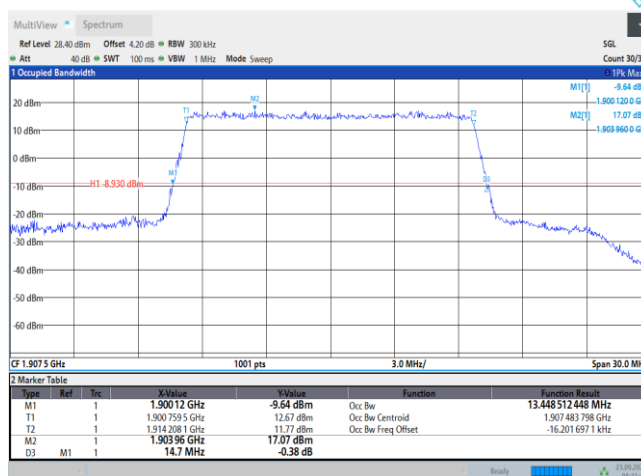
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04:31:00 23.09.2022

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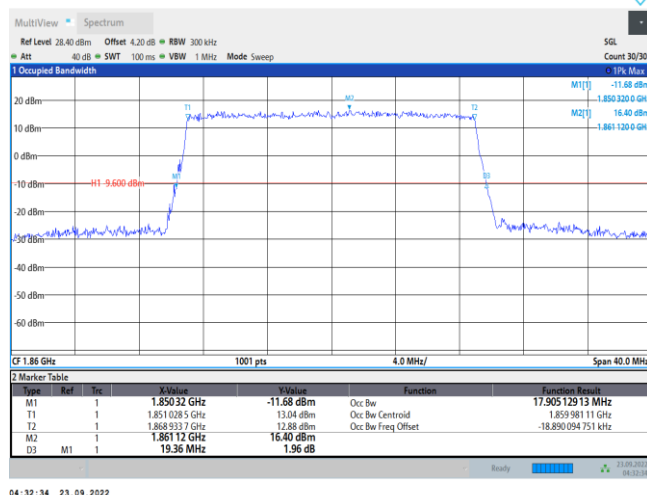
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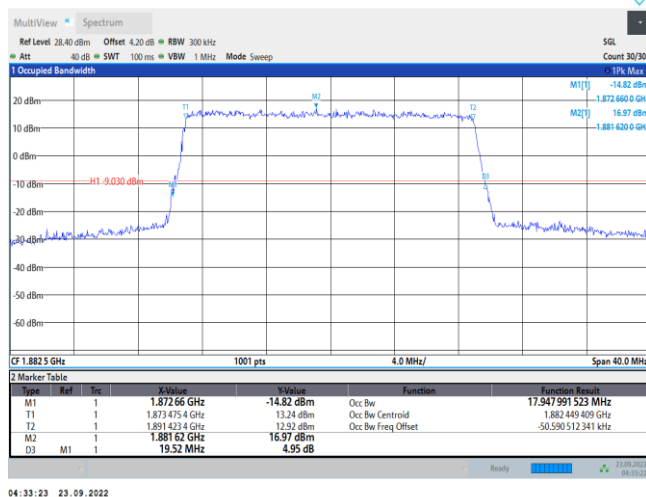
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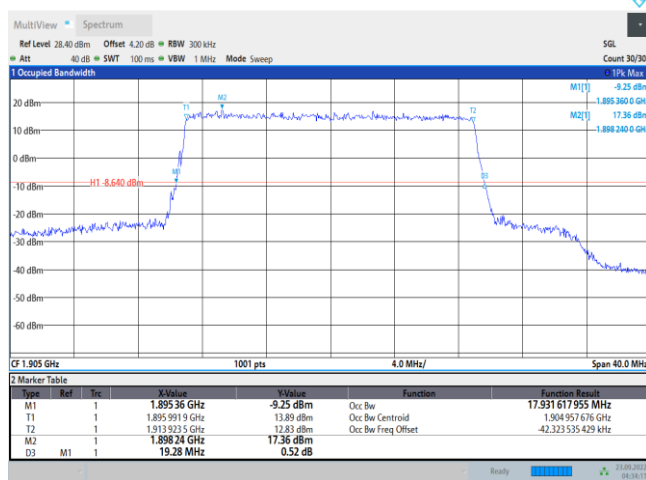
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04:33:23 23.09.2022

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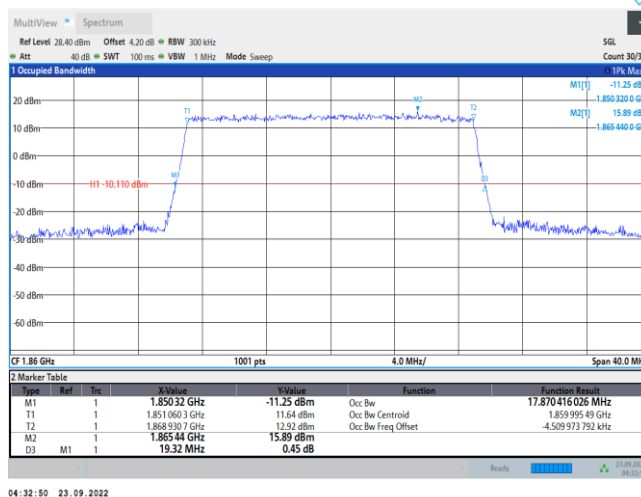
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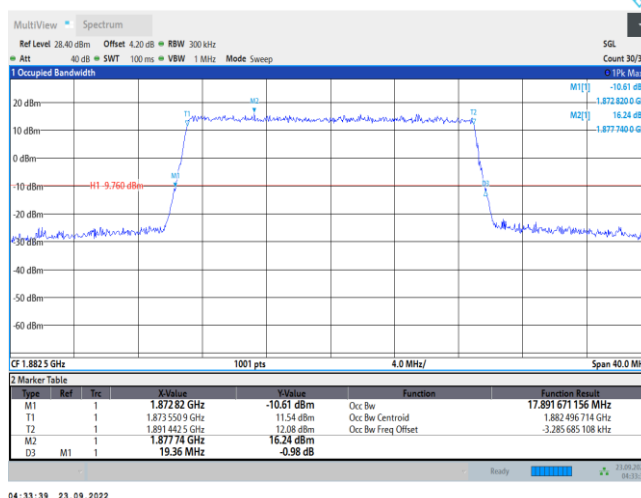
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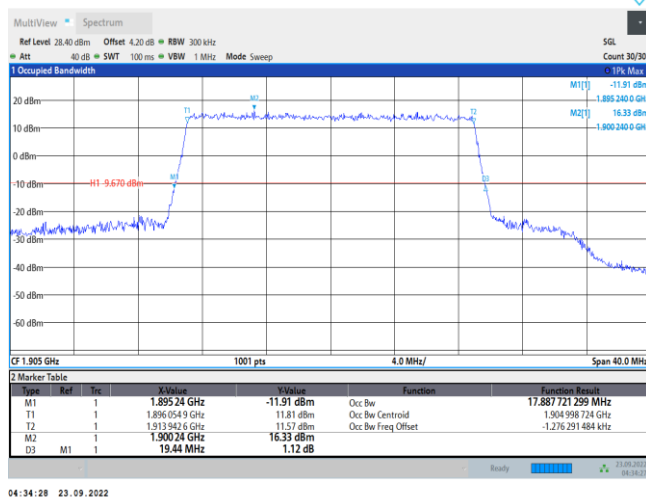


Report No.: SEWA2208000035RG01

Rev.: 01

Page: 34 of 56

### Band25-20MHz-16QAM-26590-100RB#0



04:34:28 23.09.2022



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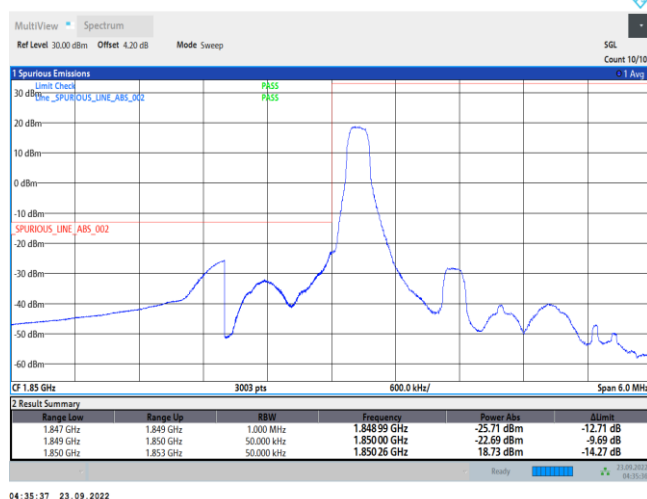
Rev.: 01

Page: 35 of 56

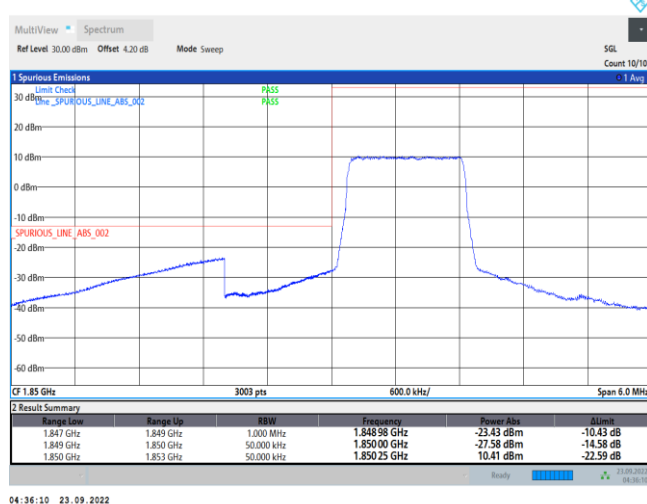
### Band Edge

### Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0



Band25-1.4MHz-QPSK-26047-6RB#0



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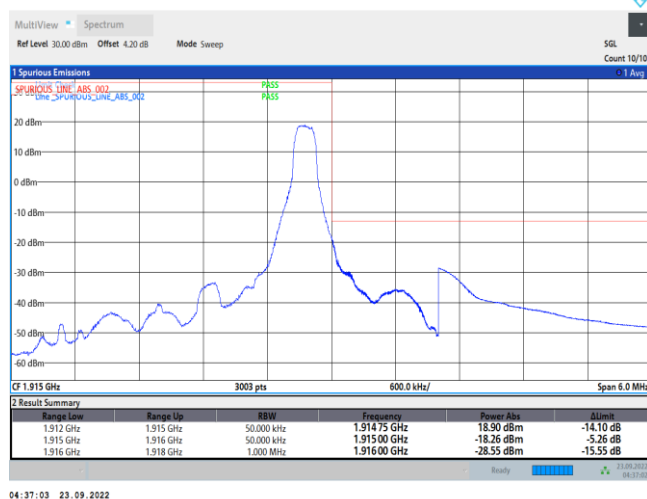
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Rev.: 01

Page: 36 of 56

### Band25-1.4MHz-QPSK-26683-1RB#5



### Band25-1.4MHz-QPSK-26683-6RB#0



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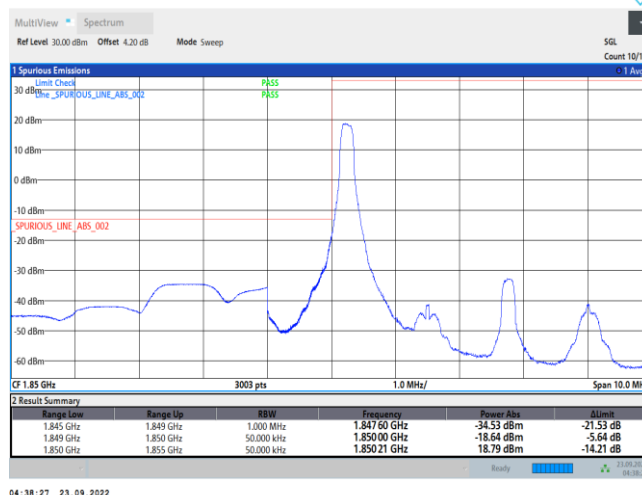
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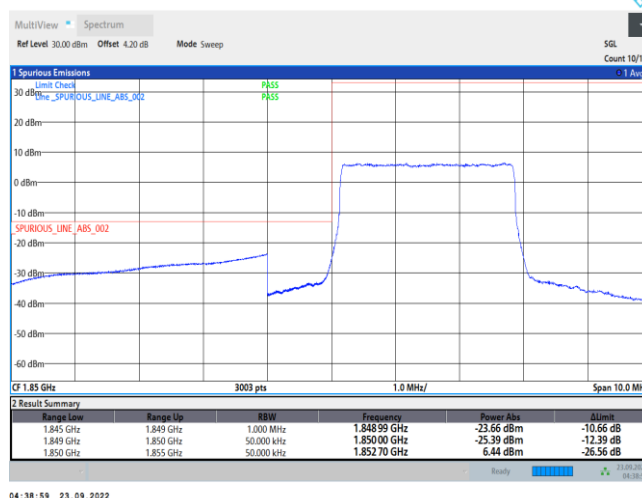
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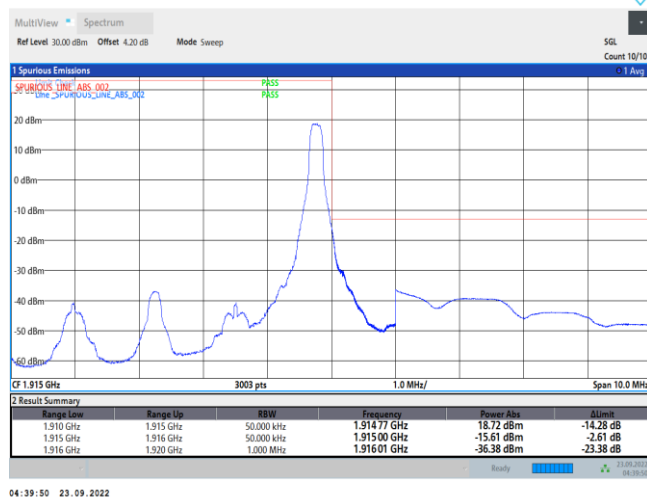
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Rev.: 01

Page: 38 of 56

### Band25-3MHz-QPSK-26675-1RB#14



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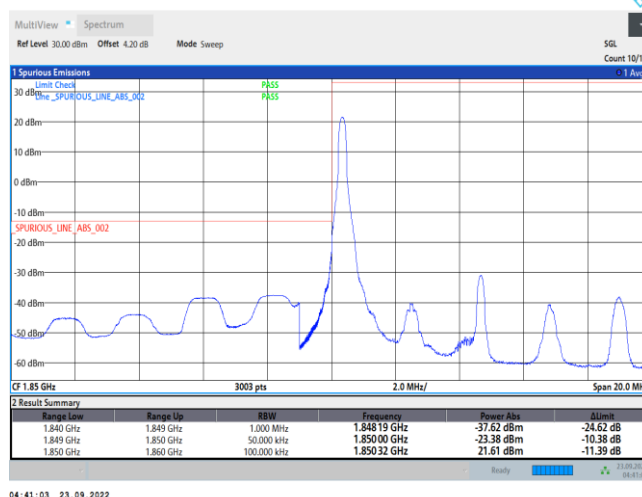
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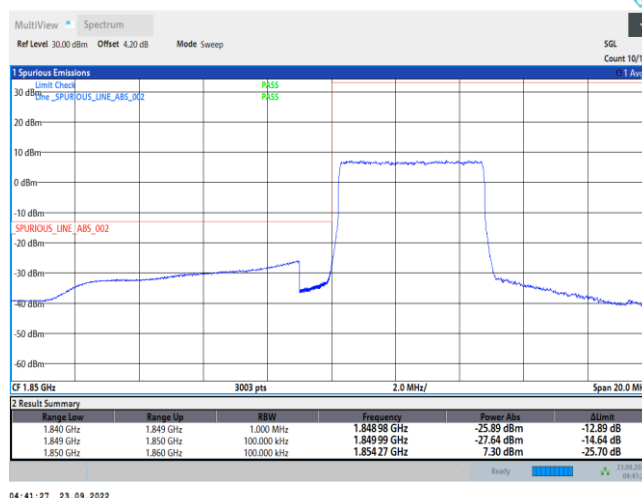
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### Band25-5MHz-QPSK-26065-25RB#0



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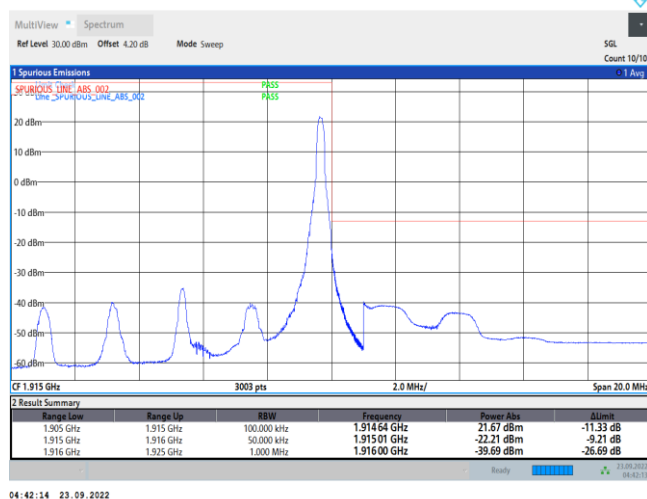


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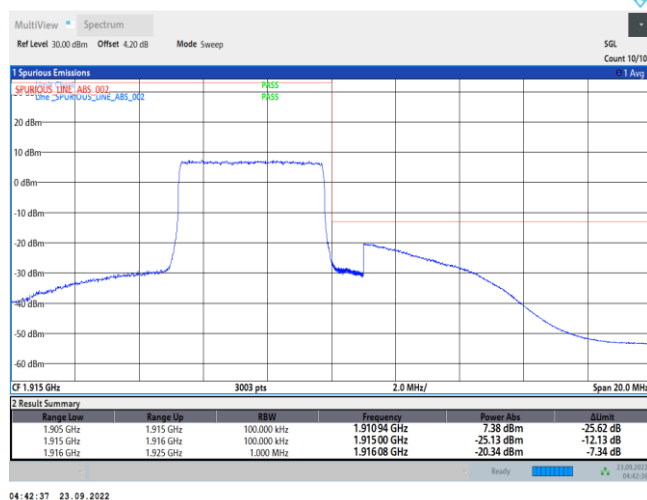
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### Band25-5MHz-QPSK-26665-1RB#24



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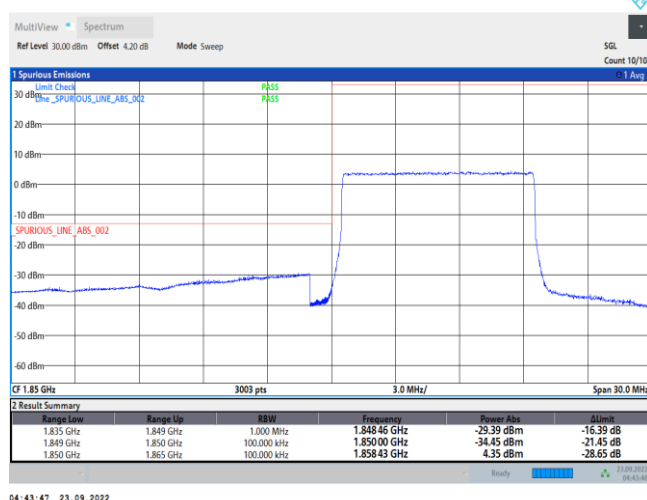
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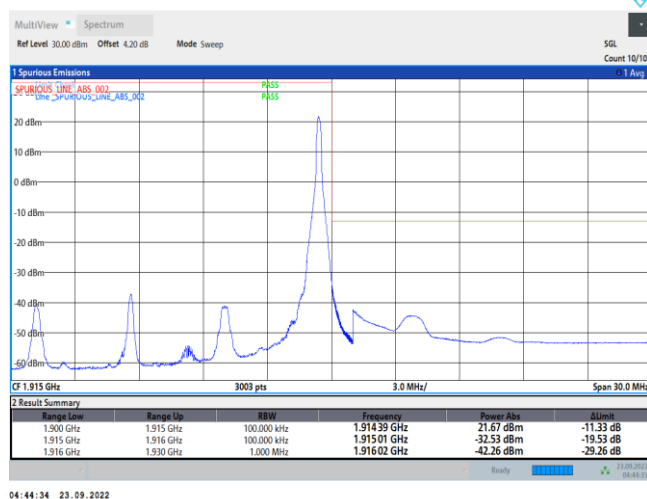
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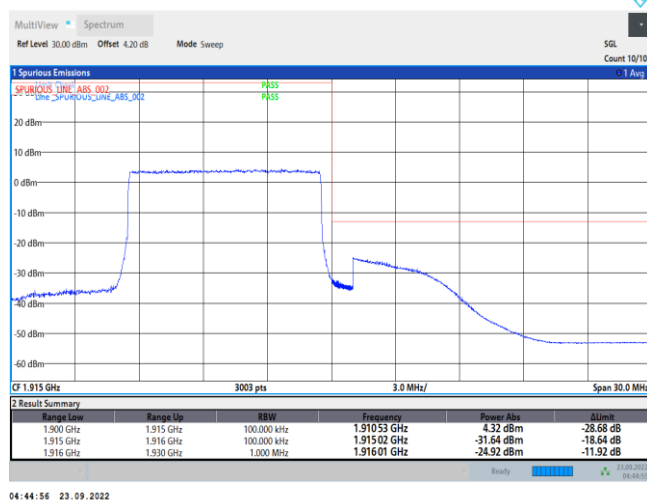
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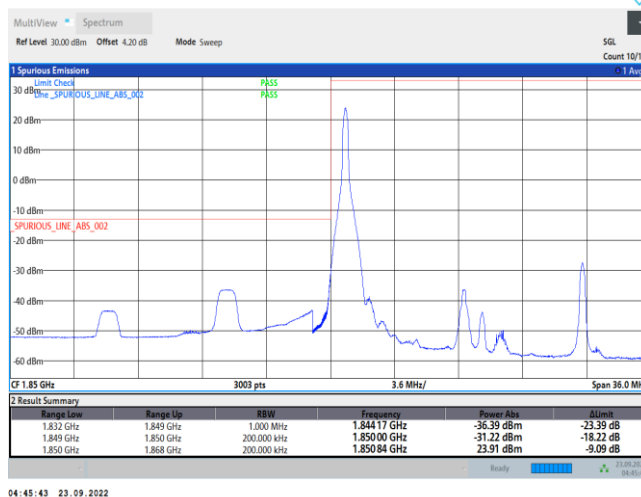
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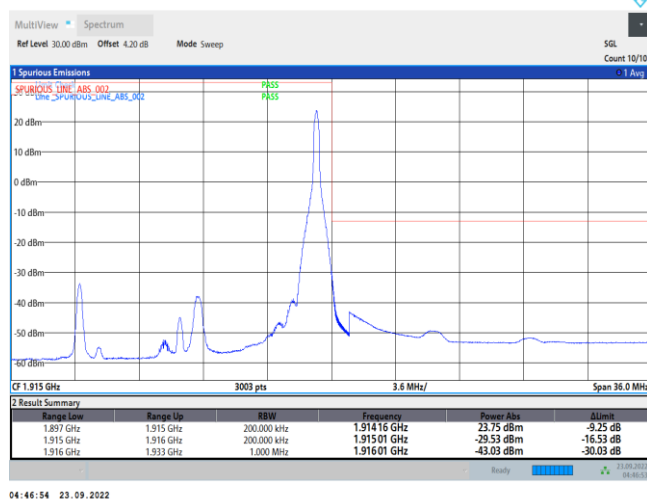
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Page: 44 of 56

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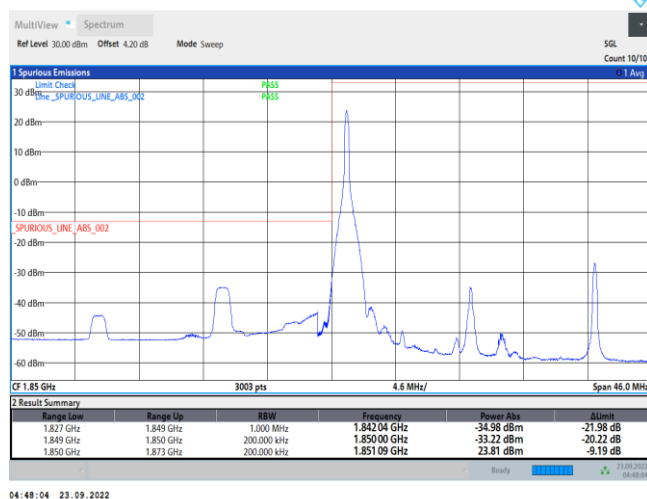


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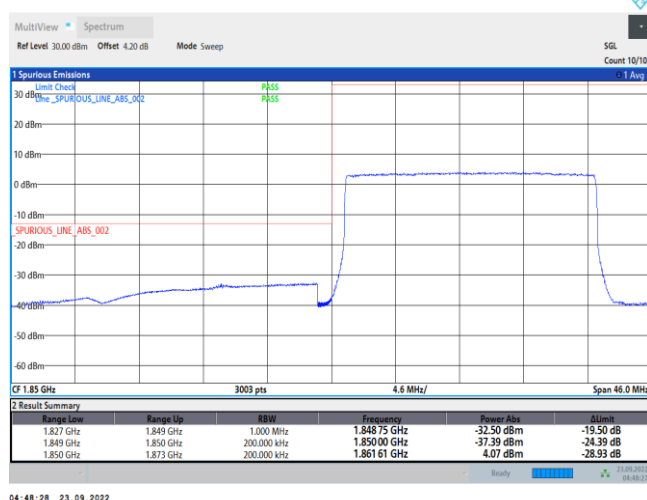
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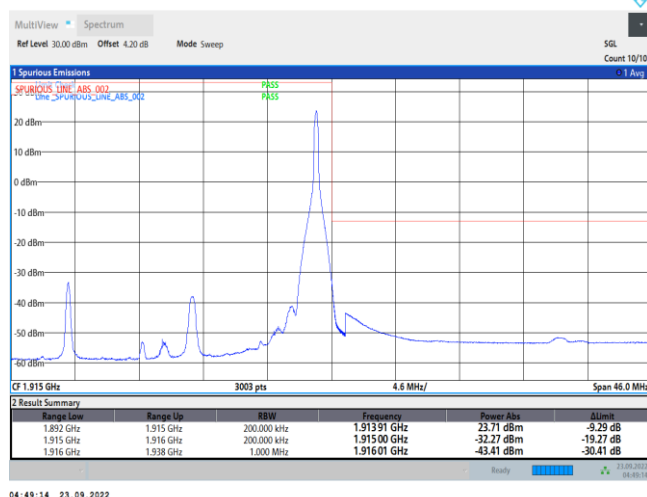
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Rev.: 01

Page: 46 of 56

### Band25-20MHz-QPSK-26590-1RB#99



### Band25-20MHz-QPSK-26590-100RB#0



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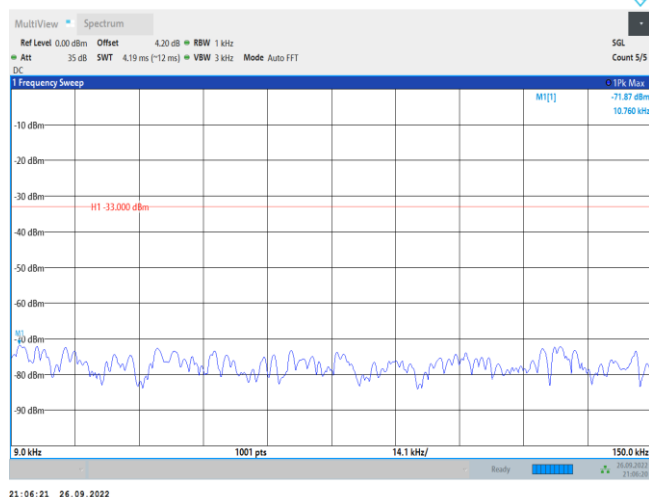
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Page: 47 of 56

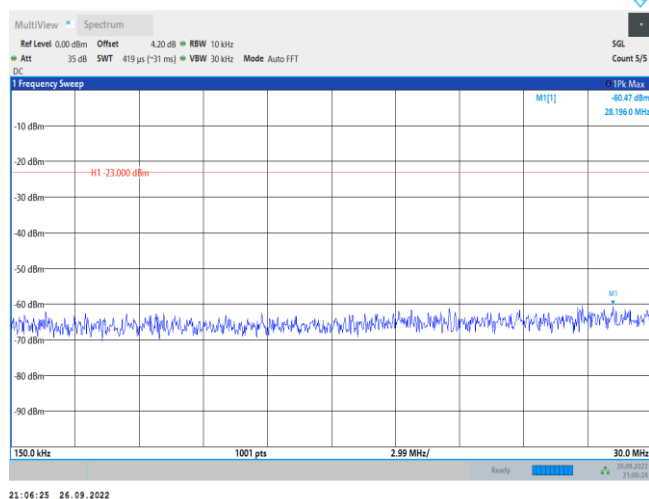
### Conducted Spurious Emission

#### Test Graphs

Band25-20MHz-QPSK-26140-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:0.15~30MHz



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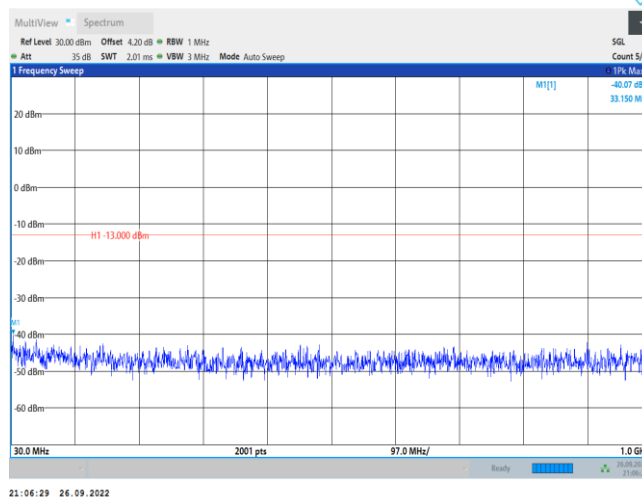
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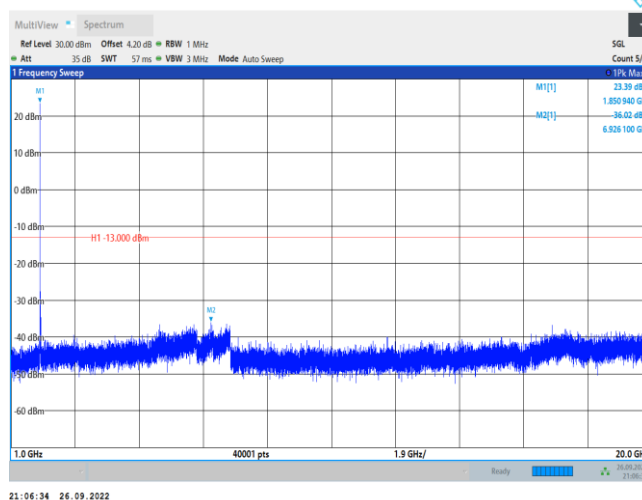
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Page: 48 of 56

### Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



### Band25-20MHz-QPSK-26140-1RB#0-Range4:1000~20000MHz



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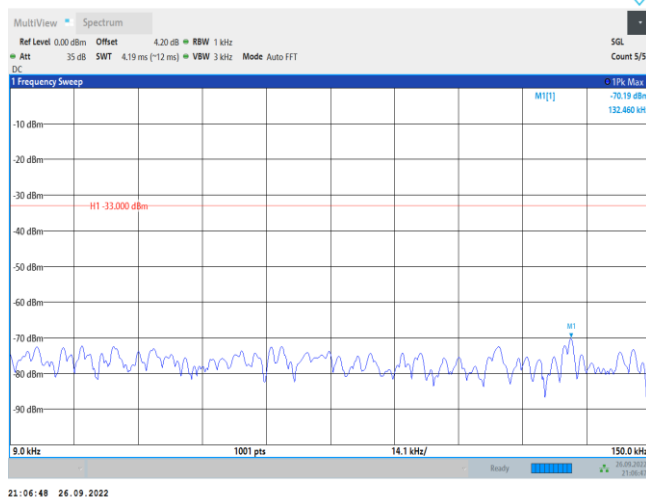
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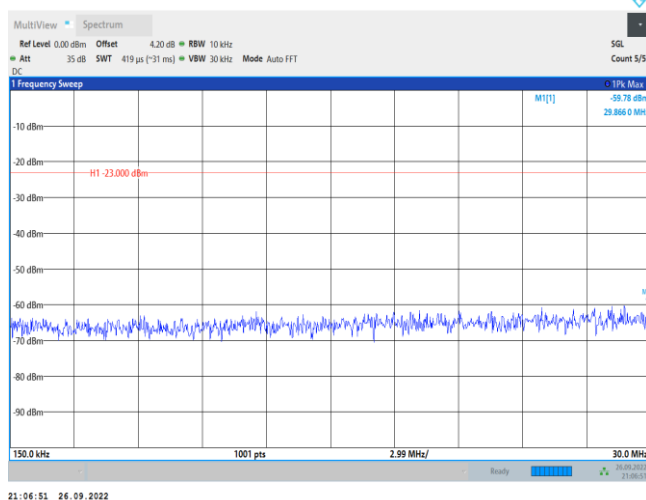
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Page: 49 of 56

### Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



### Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



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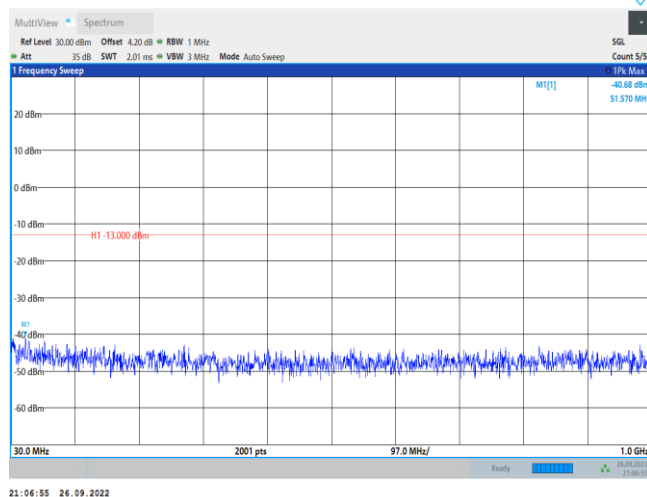


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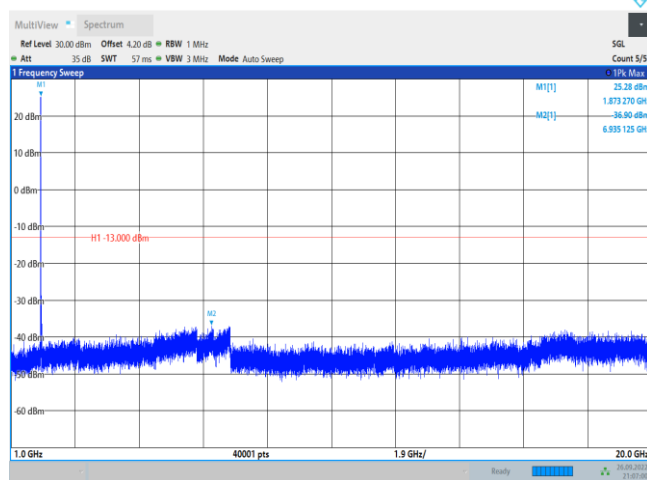
Page: 50 of 56

### Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



21:06:55 26.09.2022

### Band25-20MHz-QPSK-26365-1RB#0-Range4:1000~20000MHz



21:07:00 26.09.2022



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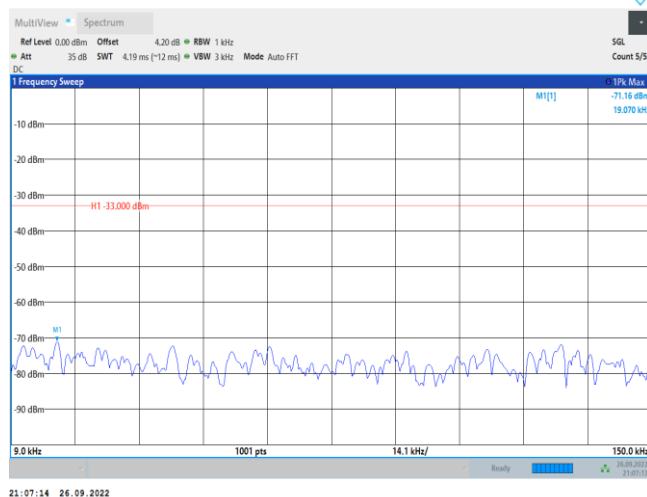
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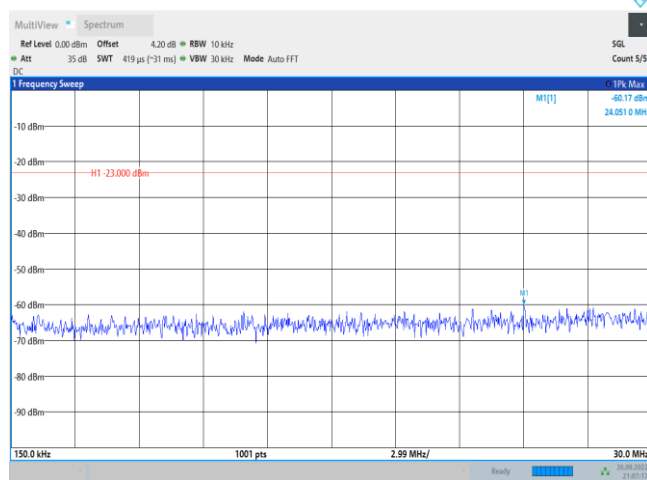
Page: 51 of 56

### Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



21:07:14 26.09.2022

### Band25-20MHz-QPSK-26590-1RB#0-Range2:0.15~30MHz



21:07:18 26.09.2022



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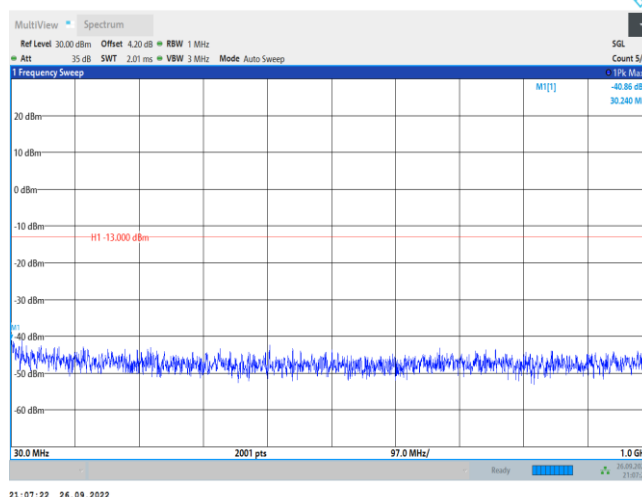
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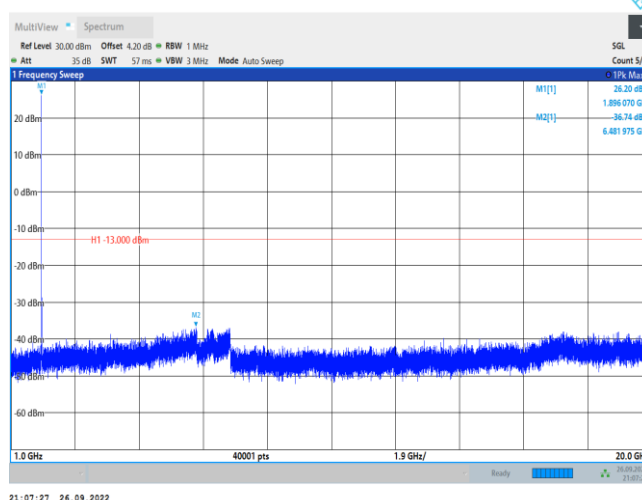
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Page: 52 of 56

### Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



### Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz



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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 53 of 56

## Field Strength of Spurious Radiation

**Test Band = LTE Band25\_ 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	3702	59.27	-45.51	29.98	-51.52	-13.00	38.52	258	343	Horizontal
2	5553.2700	46.84	-45.15	32.97	-60.60	-13.00	47.60	148	60	Horizontal
3	7404.3600	49.72	-43.40	36.49	-52.45	-13.00	39.45	195	180	Horizontal
4	9255.4500	36.53	-40.23	38.38	-60.58	-13.00	47.58	132	164	Horizontal
5	11106.5400	32.16	-37.93	39.09	-61.94	-13.00	48.94	166	180	Horizontal
6	12957.6300	33.77	-37.24	39.79	-58.94	-13.00	45.94	144	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	3702	54.92	-45.51	29.98	-55.87	-13.00	42.87	225	194	Vertical
2	5553.2700	49.51	-45.15	32.97	-57.93	-13.00	44.93	145	104	Vertical
3	7404.3600	48.61	-43.40	36.49	-53.56	-13.00	40.56	163	104	Vertical
4	9255.4500	37.31	-40.23	38.38	-59.80	-13.00	46.80	253	3	Vertical
5	11106.5400	32.52	-37.93	39.09	-61.58	-13.00	48.58	132	13	Vertical
6	12957.6300	32.09	-37.24	39.79	-60.62	-13.00	47.62	162	13	Vertical



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Rev.: 01

Page: 54 of 56

**Test Band = LTE Band25\_ 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	3742.1800	55.40	-45.68	30.12	-55.42	-13.00	42.42	199	313	Horizontal
2	5613.2700	46.62	-45.04	33.07	-60.61	-13.00	47.61	145	284	Horizontal
3	7484.3600	45.22	-43.18	36.45	-56.77	-13.00	43.77	126	208	Horizontal
4	9355.4500	38.04	-40.00	38.46	-58.77	-13.00	45.77	135	360	Horizontal
5	11226.5400	34.81	-37.40	39.11	-58.74	-13.00	45.74	128	208	Horizontal
6	13097.6300	29.80	-37.01	39.87	-62.59	-13.00	49.59	195	148	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	3742.1800	55.96	-45.68	30.12	-54.86	-13.00	41.86	235	331	Vertical
2	5613.2700	48.66	-45.04	33.07	-58.57	-13.00	45.57	145	240	Vertical
3	7484.3600	45.01	-43.18	36.45	-56.98	-13.00	43.98	126	105	Vertical
4	9355.4500	38.46	-40.00	38.46	-58.35	-13.00	45.35	122	14	Vertical
5	11226.5400	34.08	-37.40	39.11	-59.47	-13.00	46.47	198	105	Vertical
6	13097.6300	29.98	-37.01	39.87	-62.41	-13.00	49.41	144	271	Vertical



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Rev.: 01

Page: 55 of 56

**Test Band = LTE Band25\_ 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	3792.1800	53.92	-45.89	30.30	-56.93	-13.00	43.93	210	298	Horizontal
2	5688.2700	46.79	-44.87	33.34	-60.00	-13.00	47.00	125	103	Horizontal
3	7584.3600	45.10	-42.96	36.40	-56.72	-13.00	43.72	145	4	Horizontal
4	9480.4500	39.56	-40.15	38.47	-57.38	-13.00	44.38	139	351	Horizontal
5	11376.5400	33.11	-37.38	39.11	-60.42	-13.00	47.42	213	44	Horizontal
6	13272.6300	30.09	-36.97	40.00	-62.13	-13.00	49.13	254	360	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	3792	55.45	-45.89	30.30	-55.40	-13.00	42.40	286	360	Vertical
2	5688.2700	48.23	-44.87	33.34	-58.56	-13.00	45.56	145	59	Vertical
3	7584.3600	46.49	-42.96	36.40	-55.33	-13.00	42.33	129	360	Vertical
4	9480.4500	40.83	-40.15	38.47	-56.11	-13.00	43.11	153	134	Vertical
5	11376.5400	33.56	-37.38	39.11	-59.97	-13.00	46.97	218	282	Vertical
6	13272.6300	29.54	-36.97	40.00	-62.68	-13.00	49.68	196	28	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:

$$AF = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier (dB)}$$

$$\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$$

$$\text{Margin} = \text{Limit} - \text{Level}$$


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Report No.: SEWA2208000035RG01

Rev.: 01

Page: 56 of 56

## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-7.20	-0.003825	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-1.40	-0.000744	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-10.50	-0.005578	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-12.20	-0.006481	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-3.40	-0.001806	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	2.80	0.001487	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-6.50	-0.003453	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	3.60	0.001912	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-5.00	-0.002656	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	2.70	0.001434	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-5.20	-0.002762	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	1.60	0.000850	PASS

---End of Attachment---



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