

Report No.: SEWA2304000051RG01

Rev.: 01

Page: 1 of 52

# Appendix B.18

## LTE Band 66



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

## 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	23.39	24.34	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.43	24.38	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.38	24.33	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.39	23.34	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.23	24.18	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.33	24.28	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.25	24.20	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.31	23.26	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.20	24.15	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.31	24.26	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.20	24.15	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.41	23.36	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.62	23.57	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.68	23.63	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.77	23.72	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.58	22.53	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.59	23.54	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.66	23.61	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.48	23.43	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.37	22.32	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.44	23.39	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.55	23.50	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.46	23.41	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.38	22.33	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.40	24.35	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.43	24.38	30.00	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 3 of 52

Band66	3MHz	QPSK	131987	1RB#14	23.41	24.36	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.51	23.46	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.30	24.25	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.29	24.24	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.27	24.22	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.40	23.35	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.27	24.22	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.31	24.26	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.29	24.24	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.39	23.34	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.77	23.72	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.70	23.65	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.65	23.60	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.54	22.49	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.62	23.57	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.52	23.47	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.52	23.47	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.40	22.35	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.48	23.43	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.59	23.54	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.53	23.48	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.47	22.42	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.41	24.36	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.49	24.44	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.43	24.38	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.52	23.47	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.32	24.27	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.30	24.25	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.31	24.26	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.40	23.35	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.29	24.24	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.28	24.23	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.33	24.28	30.00	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 4 of 52

Band66	5MHz	QPSK	132647	25RB#0	22.41	23.36	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.80	23.75	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.81	23.76	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.80	23.75	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.53	22.48	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.59	23.54	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.70	23.65	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.61	23.56	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.42	22.37	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.57	23.52	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.54	23.49	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.42	23.37	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.41	22.36	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.40	24.35	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.47	24.42	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.45	24.40	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.51	23.46	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.29	24.24	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.32	24.27	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.31	24.26	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.43	23.38	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.24	24.19	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.32	24.27	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.32	24.27	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.42	23.37	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.76	23.71	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.84	23.79	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.73	23.68	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.56	22.51	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.57	23.52	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.49	23.44	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.68	23.63	30.00	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.44	22.39	30.00	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 5 of 52

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Band66	10MHz	16QAM	132622	1RB#24	22.63	23.58	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.56	23.51	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.41	22.36	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.38	24.33	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.51	24.46	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.42	24.37	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.41	23.36	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.31	24.26	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.32	24.27	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.33	24.28	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.38	23.33	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.17	24.12	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.24	24.19	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.33	24.28	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.35	23.30	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.62	23.57	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	22.77	23.72	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.62	23.57	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.46	22.41	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.63	23.58	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.72	23.67	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.63	23.58	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.39	22.34	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.34	23.29	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.57	23.52	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.48	23.43	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.37	22.32	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.31	24.26	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.46	24.41	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.41	24.36	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.44	23.39	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.28	24.23	30.00	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 6 of 52

Band66	20MHz	QPSK	132322	1RB#49	23.31	24.26	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.33	24.28	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.38	23.33	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.11	24.06	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.28	24.23	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.31	24.26	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.34	23.29	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.54	23.49	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.71	23.66	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.67	23.62	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.45	22.40	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.56	23.51	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.66	23.61	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.53	23.48	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.41	22.36	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.34	23.29	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.55	23.50	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.51	23.46	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.36	22.31	30.00	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 7 of 52

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	5.42	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.60	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.40	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.28	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.50	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.22	13	PASS



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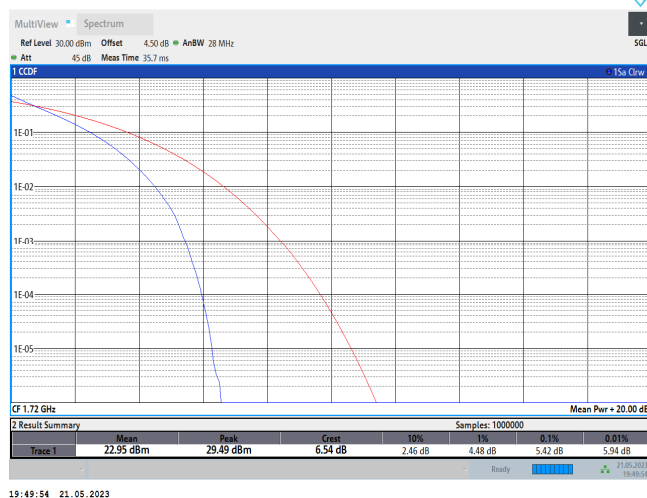
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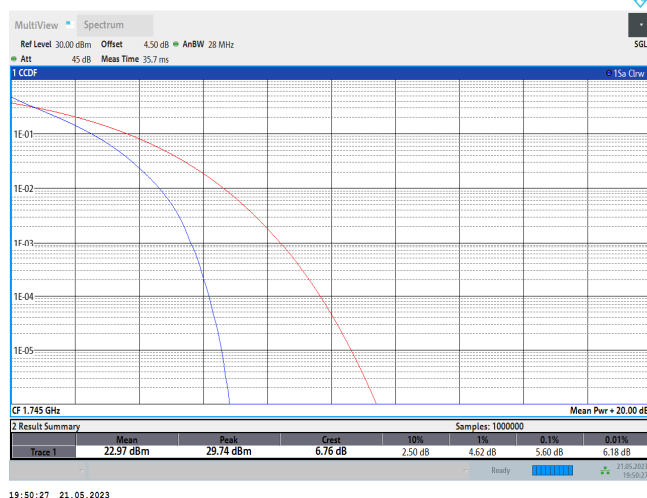
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 Rev.: 01  
 Page: 8 of 52

## Test Graphs

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



Band66-20MHz-QPSK-132322-100RB#0



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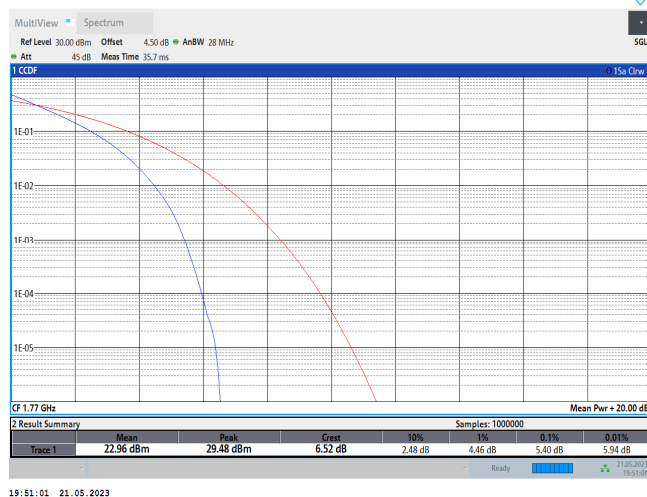


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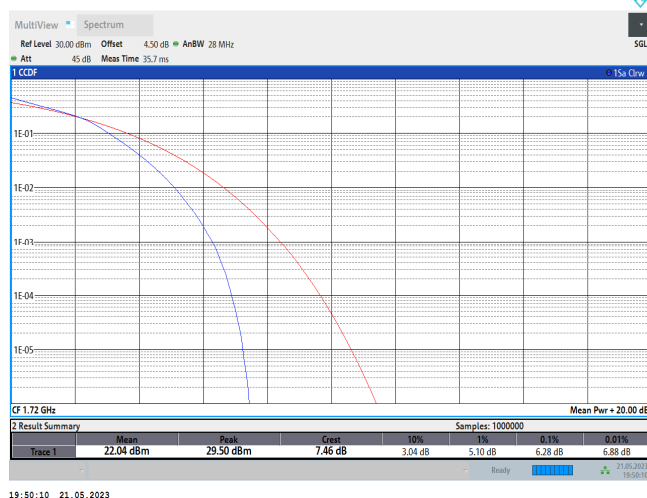
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## Band66-20MHz-QPSK-132572-100RB#0



## Band66-20MHz-16QAM-132072-100RB#0



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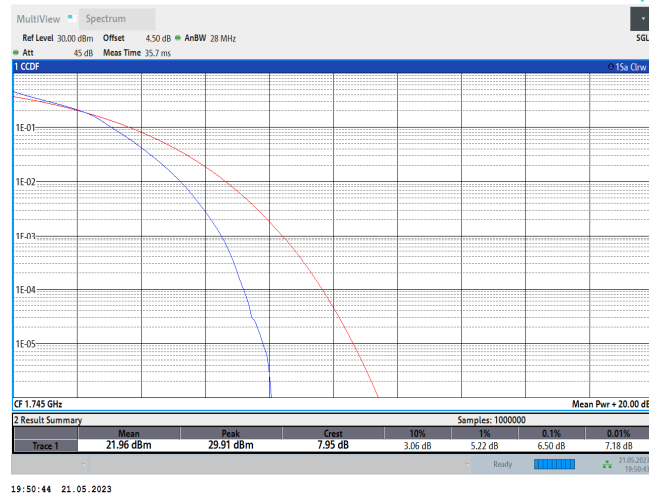
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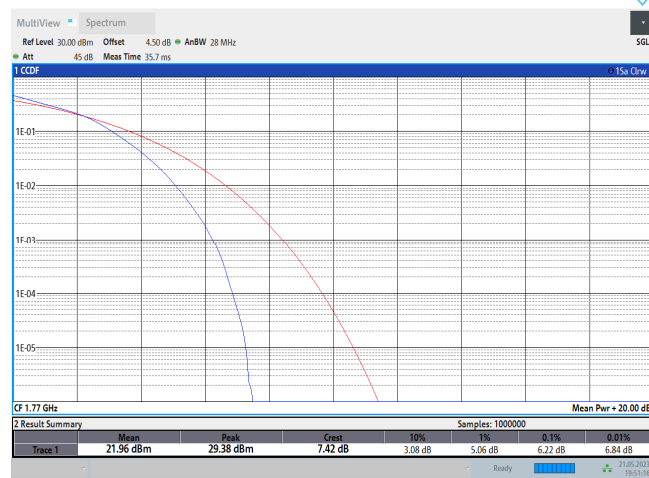
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### Band66-20MHz-16QAM-132322-100RB#0



19:50:44 21.05.2023

### Band66-20MHz-16QAM-132572-100RB#0



19:51:17 21.05.2023



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## 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	1.086	1.23	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.085	1.23	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.085	1.24	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.091	1.24	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.091	1.24	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.093	1.25	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.691	2.96	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.694	2.97	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.693	3.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.689	3.01	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.688	2.99	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.687	2.98	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	4.89	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.471	4.90	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.470	4.90	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.474	4.90	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.470	4.90	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.467	4.93	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.927	9.66	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.934	9.66	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.939	9.70	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.921	9.64	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.914	9.64	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.922	9.62	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.449	14.76	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.471	14.82	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.470	14.73	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.446	14.73	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.451	14.76	PASS



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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 12 of 52

Band66	15MHz	16QAM	132597	75RB#0	13.450	14.85	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.922	19.36	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.929	19.36	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.940	19.48	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.864	19.40	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.913	19.40	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.909	19.40	PASS



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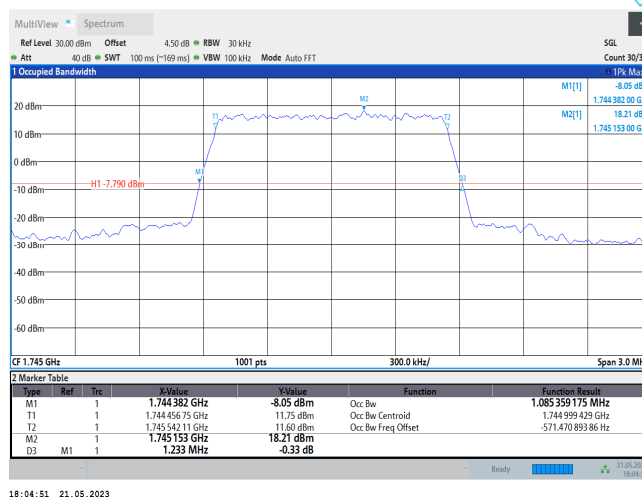
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### Test Graphs

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



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



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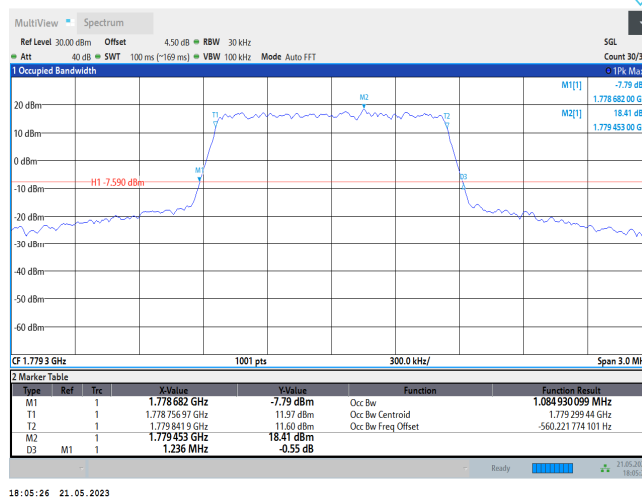


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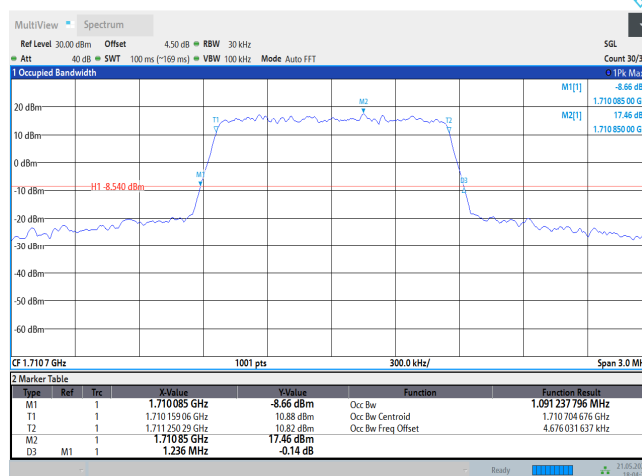
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### Band66-1.4MHz-QPSK-132665-6RB#0



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



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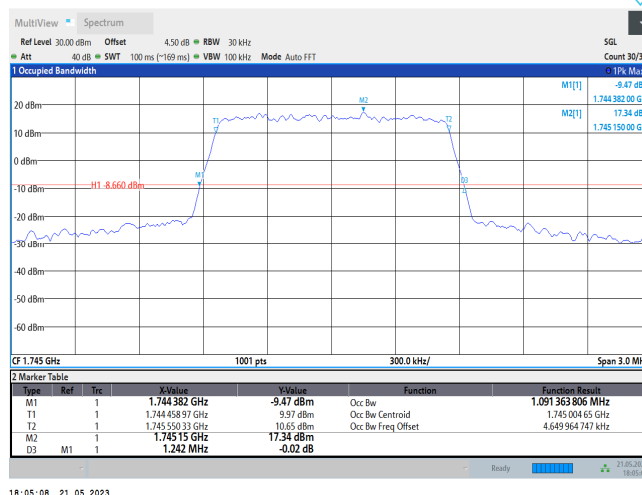
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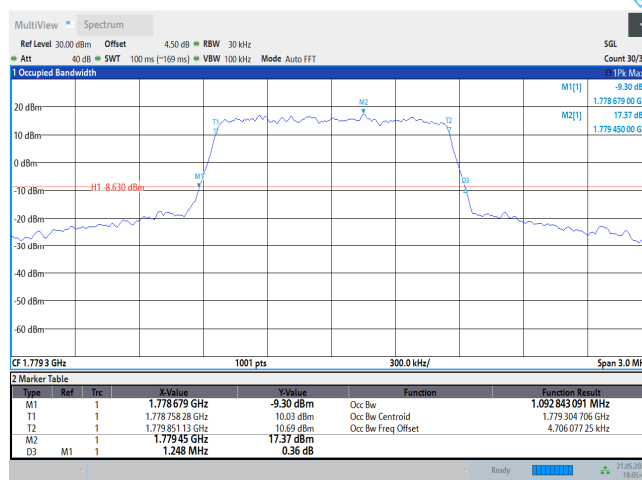
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### Band66-1.4MHz-16QAM-132322-6RB#0



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



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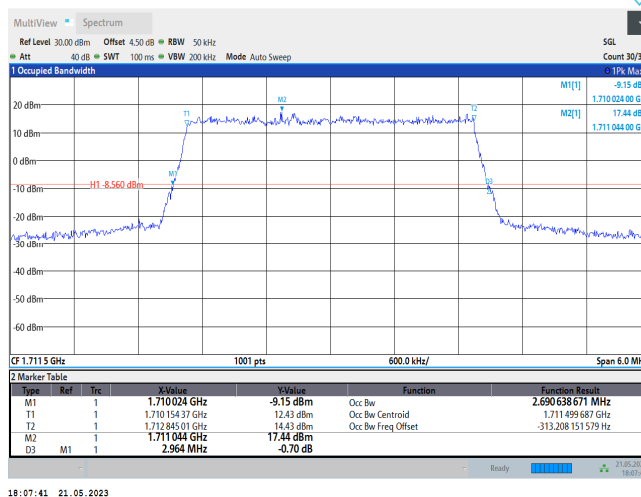
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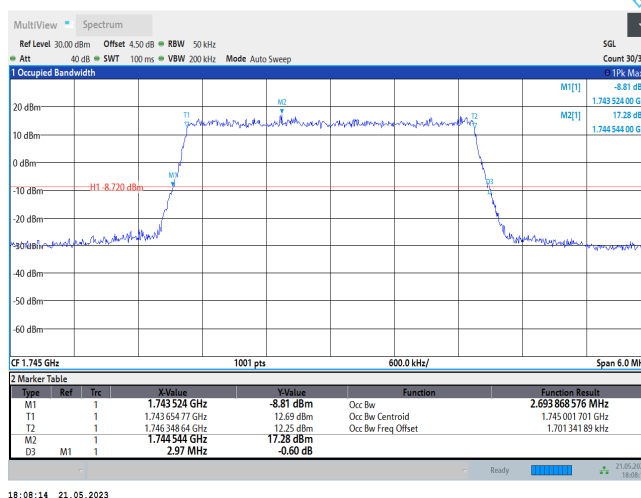
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### Band66-3MHz-QPSK-131987-15RB#0



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



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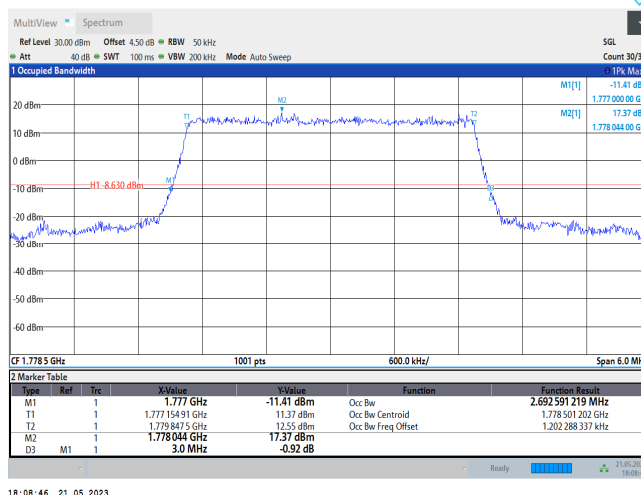
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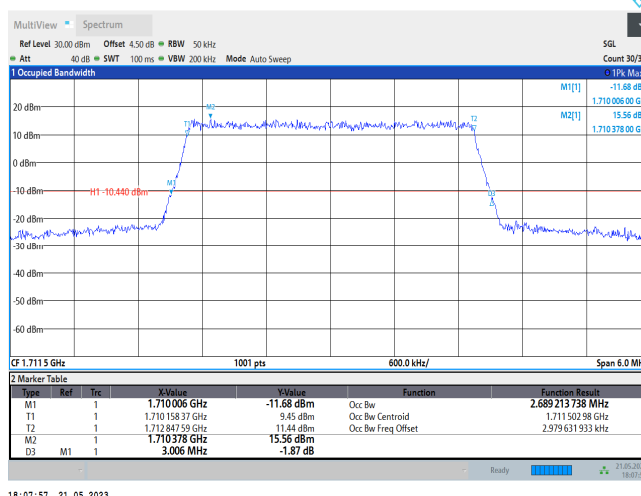
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### Band66-3MHz-QPSK-132657-15RB#0



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



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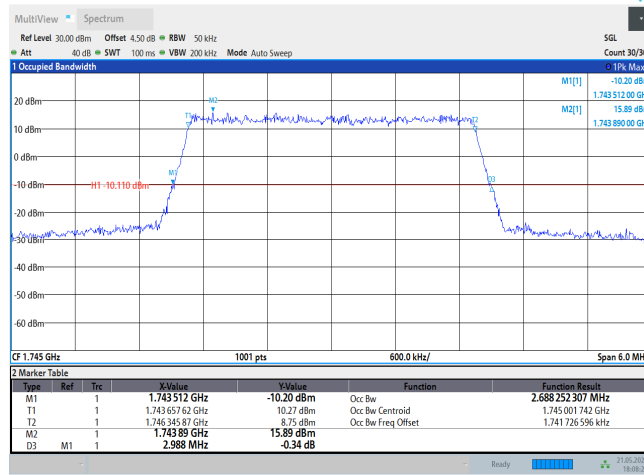
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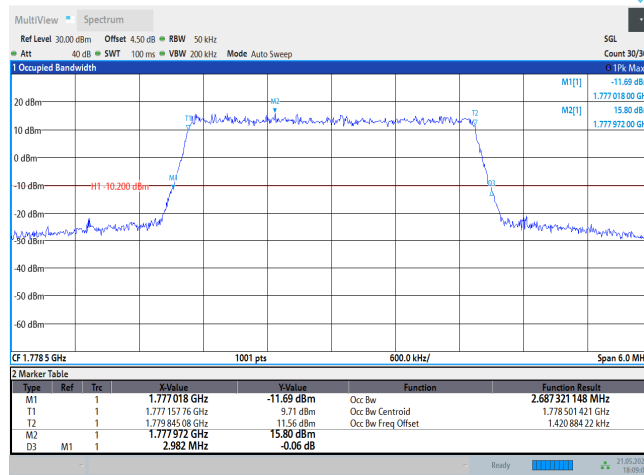
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Page: 18 of 52

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



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



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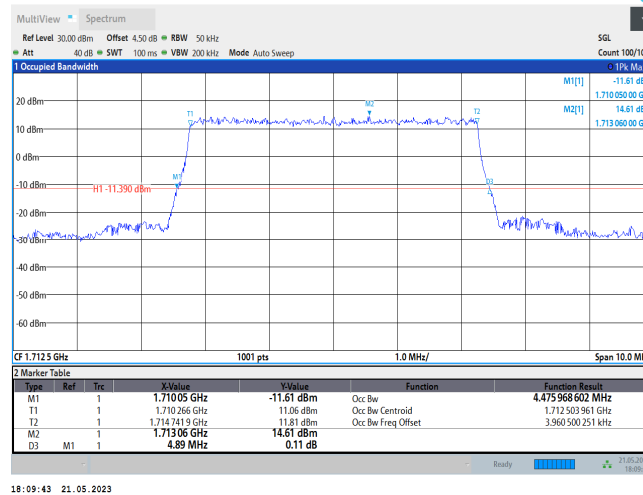
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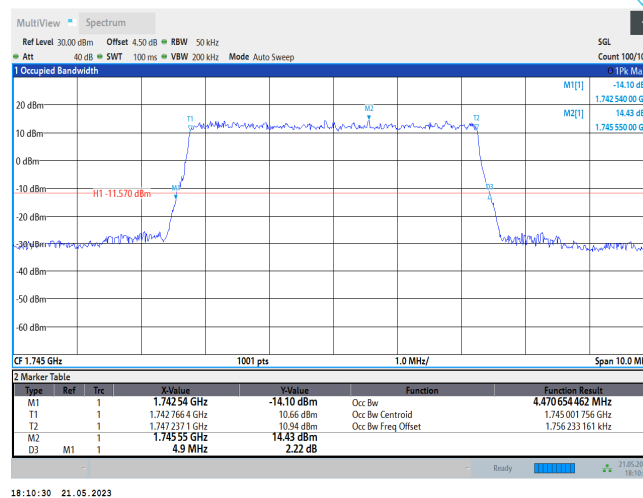
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### Band66-5MHz-QPSK-132322-25RB#0



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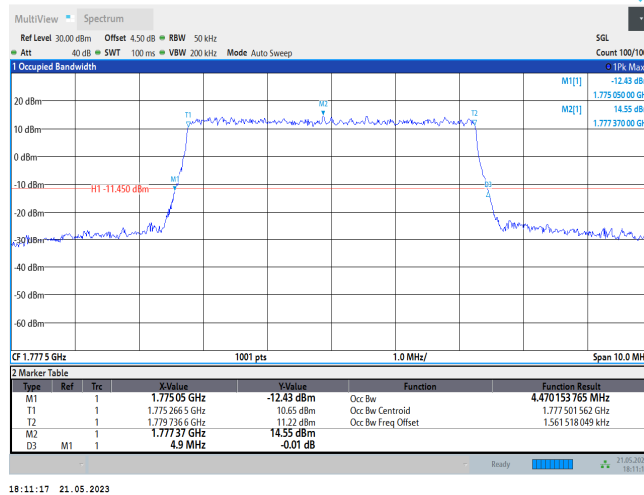
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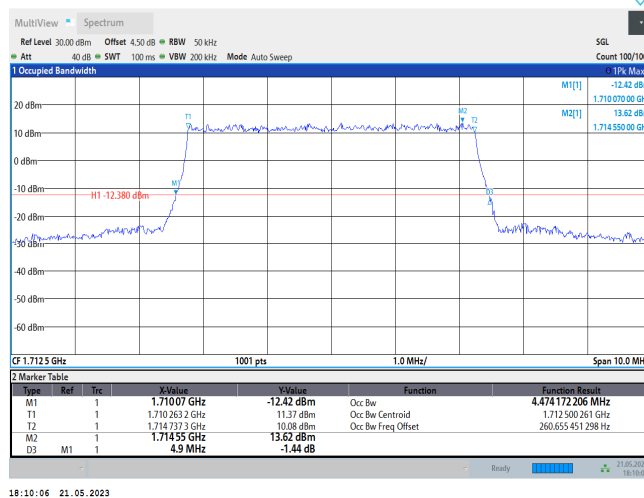
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### Band66-5MHz-QPSK-132647-25RB#0



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



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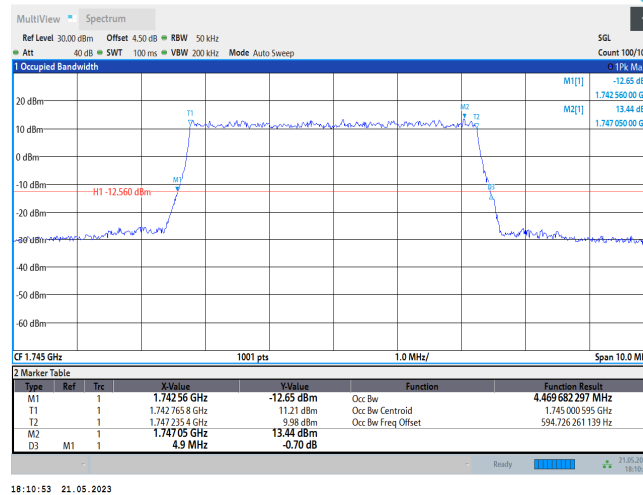
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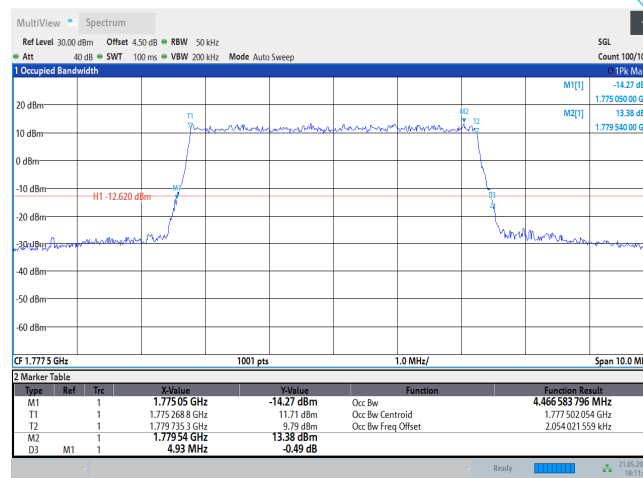
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### Band66-5MHz-16QAM-132322-25RB#0



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### Band66-5MHz-16QAM-132647-25RB#0



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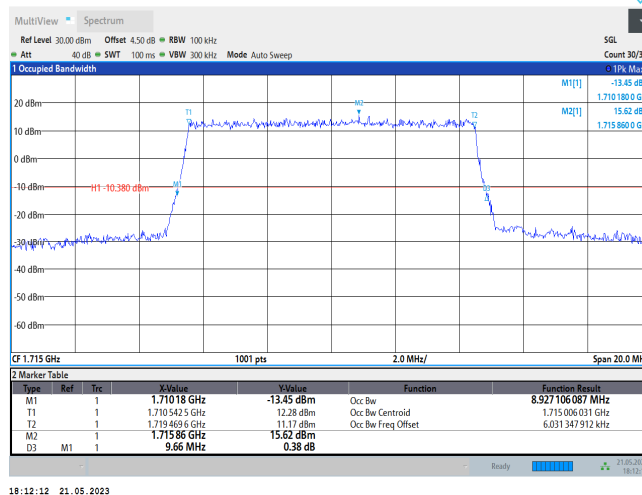
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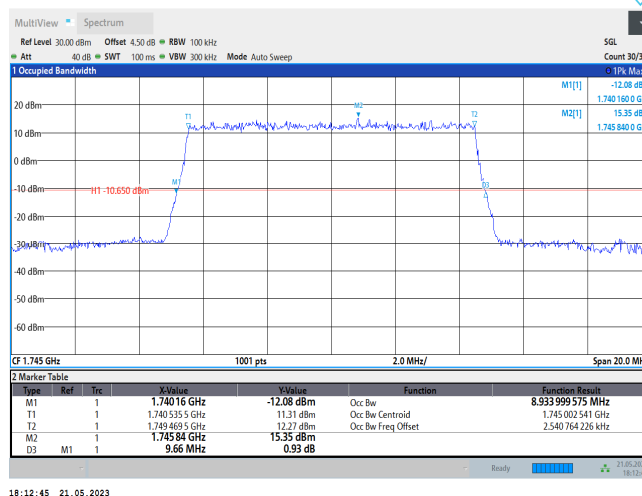
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### Band66-10MHz-QPSK-132022-50RB#0



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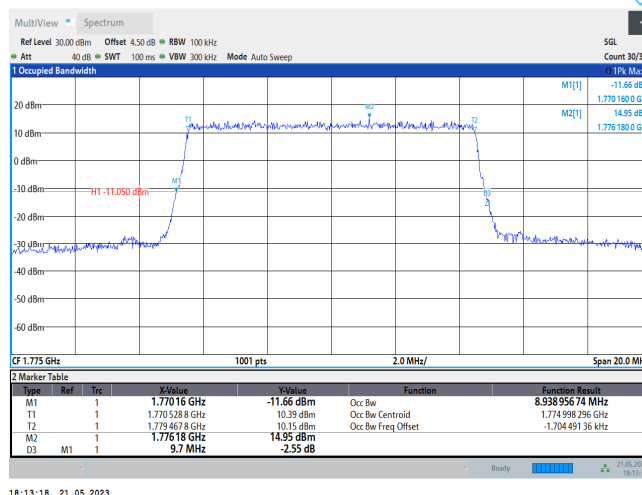
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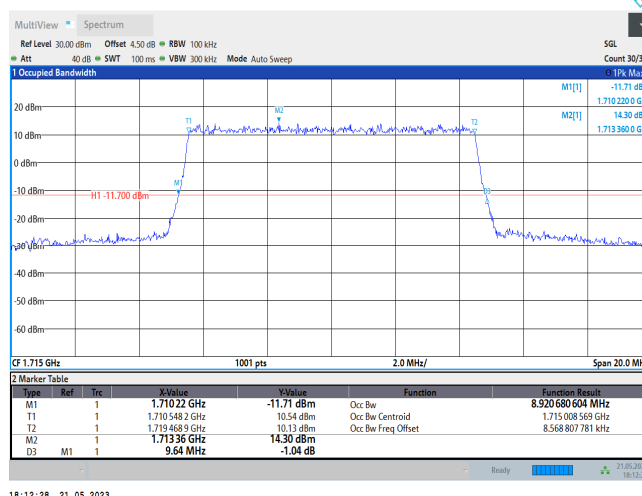
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### Band66-10MHz-QPSK-132622-50RB#0



### Band66-10MHz-16QAM-132022-50RB#0



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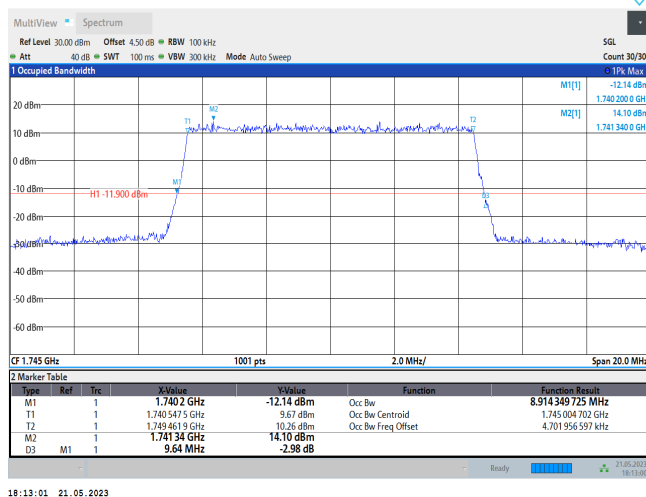


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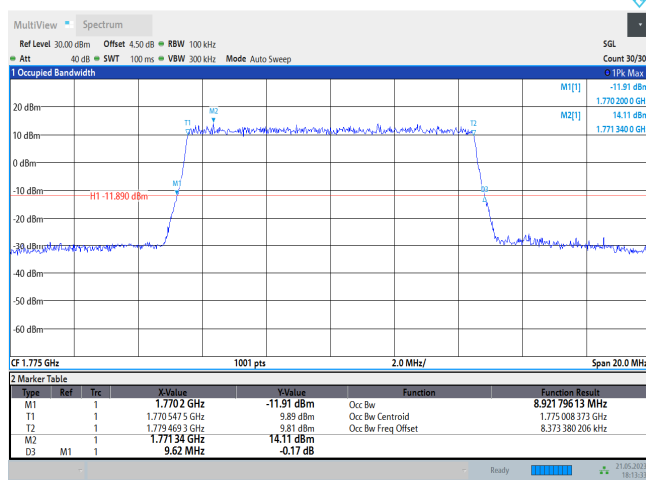
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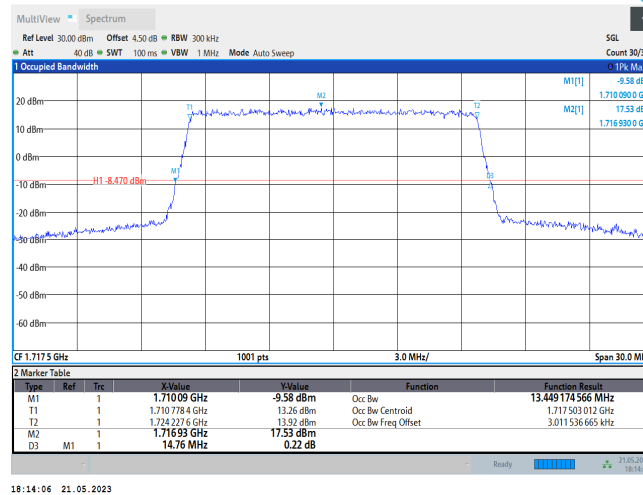
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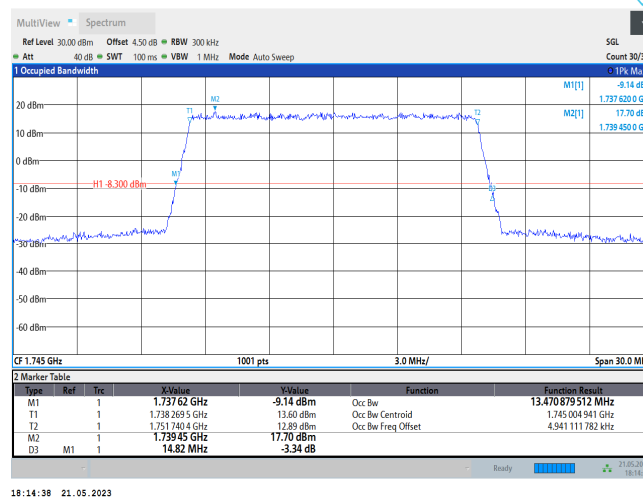
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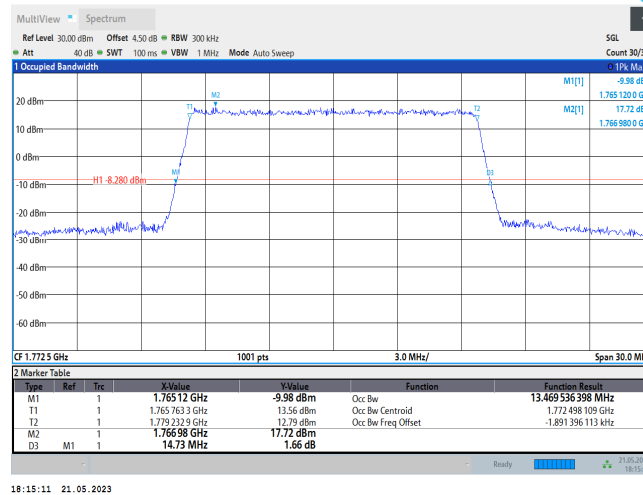
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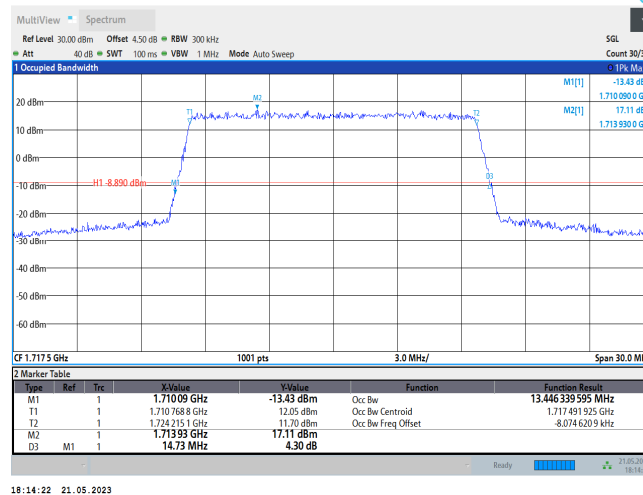
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### Band66-15MHz-QPSK-132597-75RB#0



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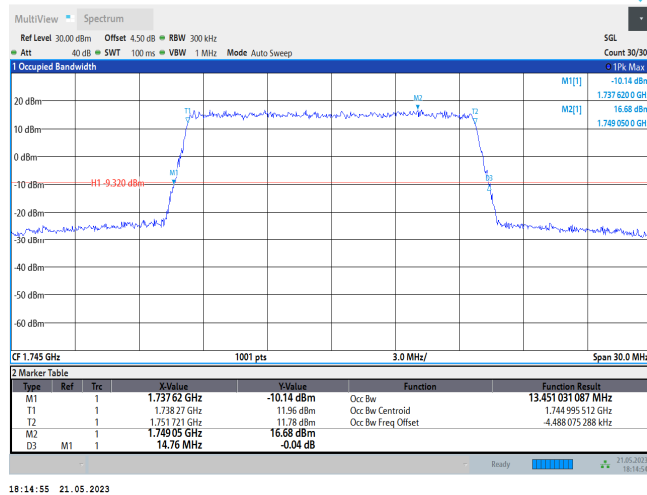
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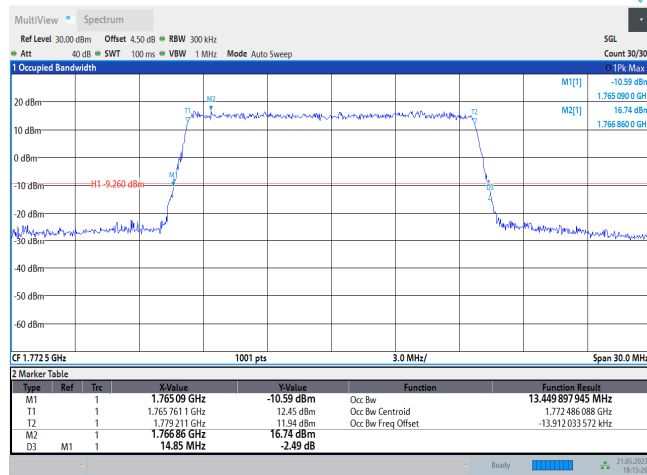
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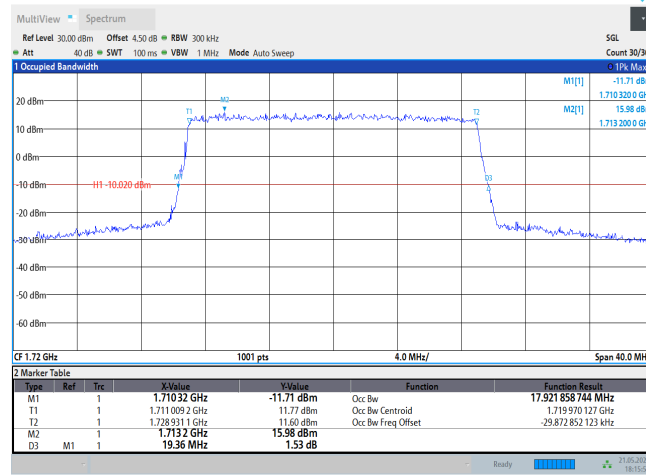
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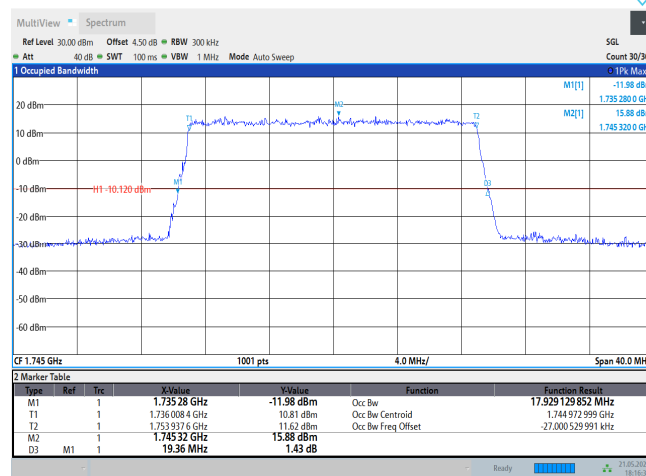
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### Band66-20MHz-QPSK-132322-100RB#0



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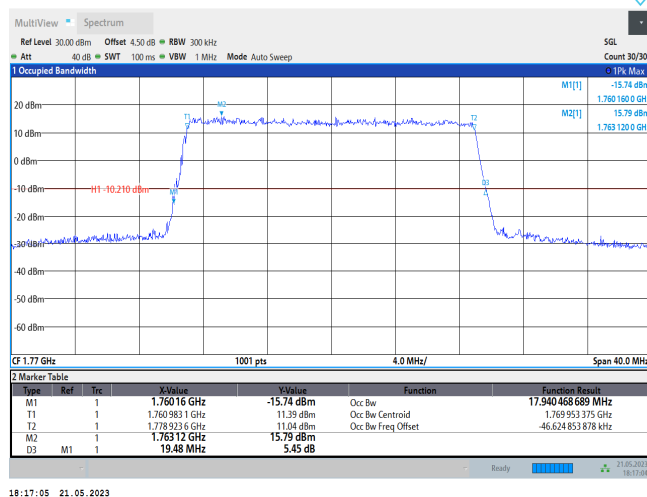


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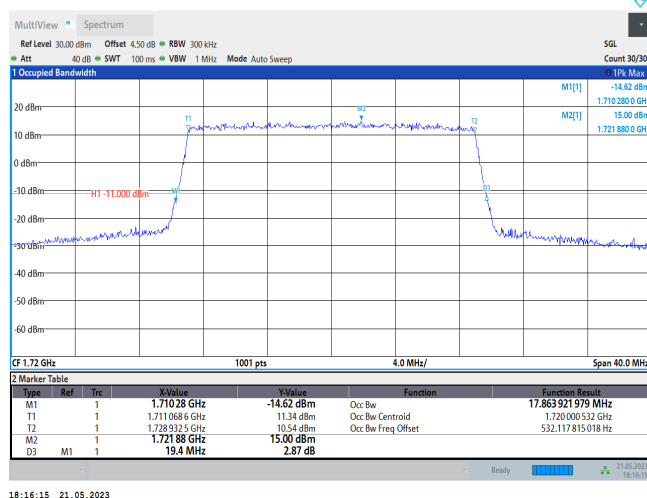
Page: 29 of 52

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



18:17:05 21.05.2023

### Band66-20MHz-16QAM-132072-100RB#0



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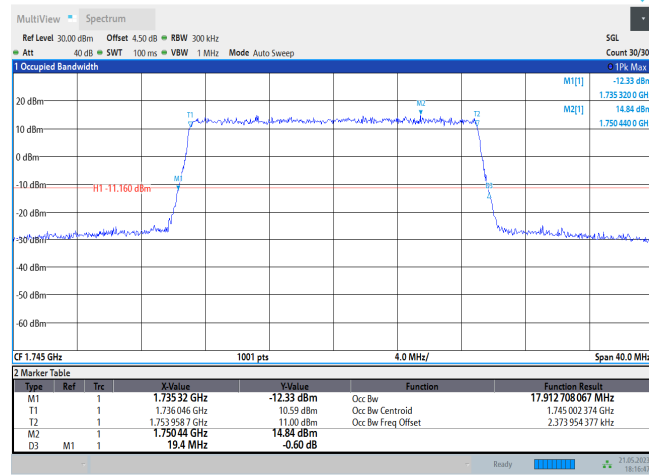
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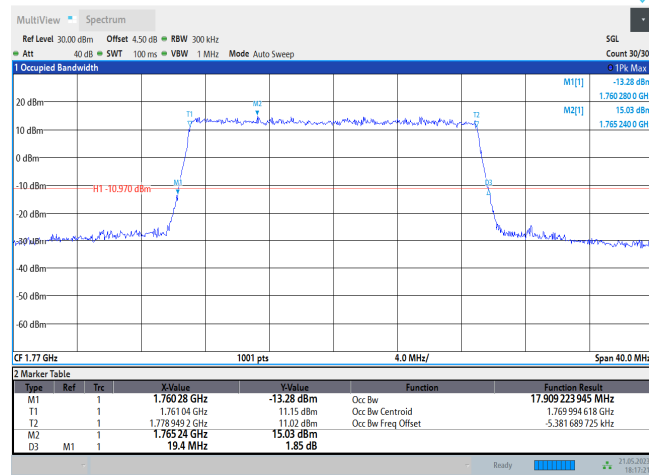
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### Band66-20MHz-16QAM-132572-100RB#0



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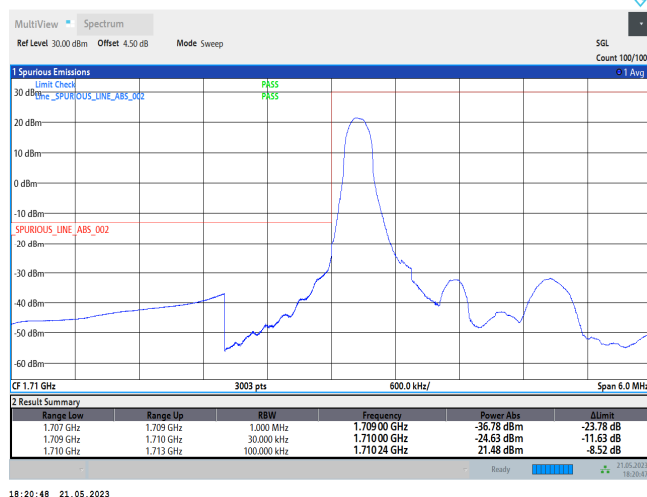
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### Band Edge

### Test Graphs

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



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



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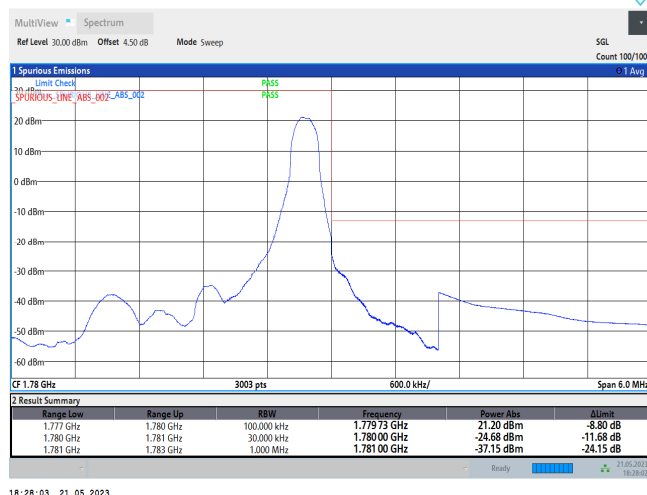
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Report No.: SEWA2304000051RG01

Rev.: 01

Page: 32 of 52

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



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



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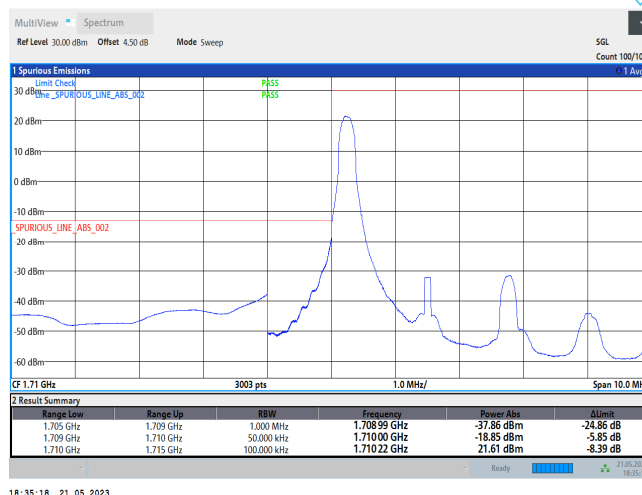
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Page: 33 of 52

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



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



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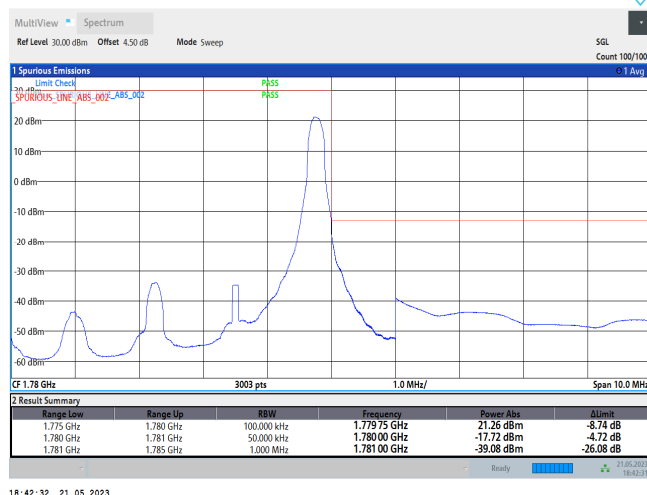
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### Band66-3MHz-QPSK-132657-1RB#14



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



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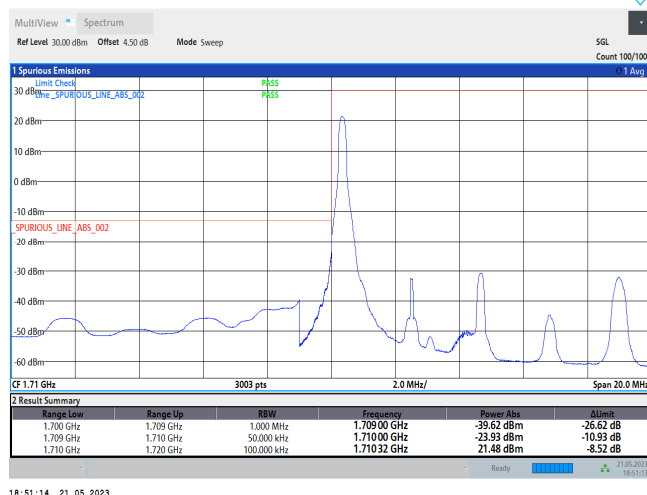


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Page: 35 of 52

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



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



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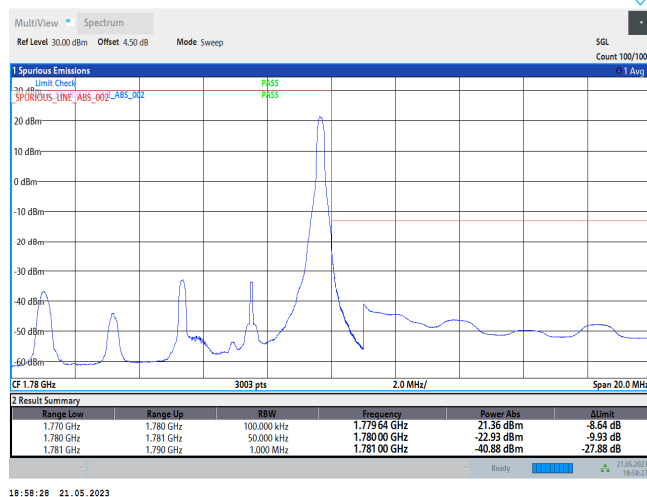
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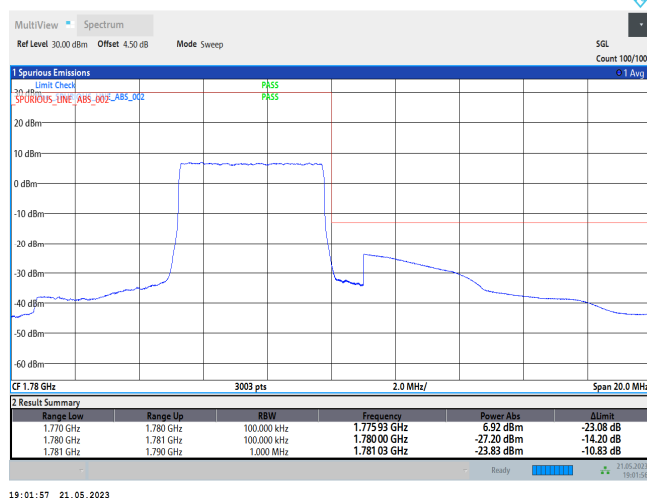
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### Band66-5MHz-QPSK-132647-1RB#24



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



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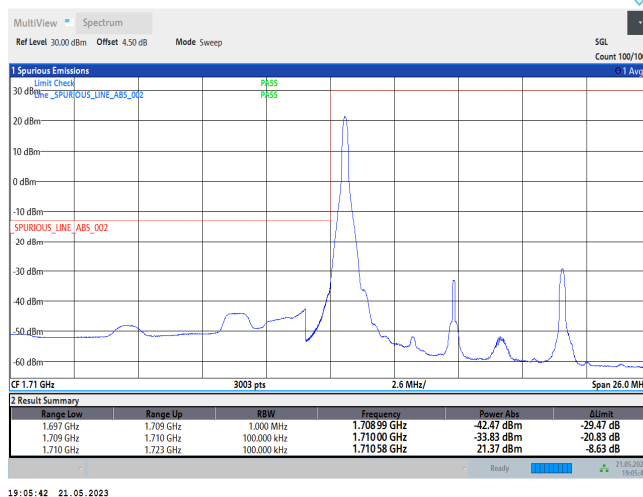
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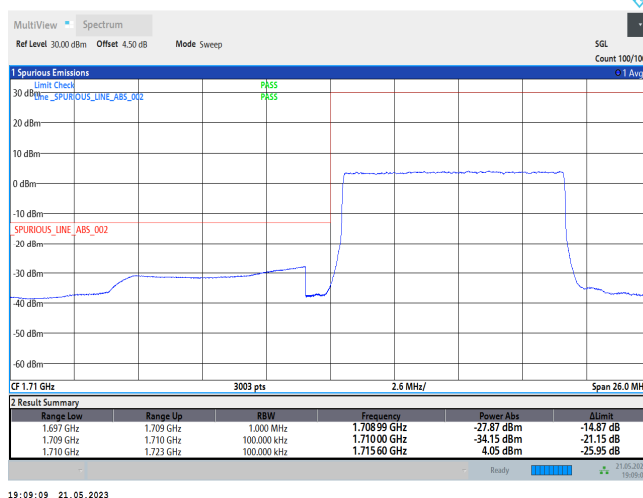
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### Band66-10MHz-QPSK-132022-1RB#0



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



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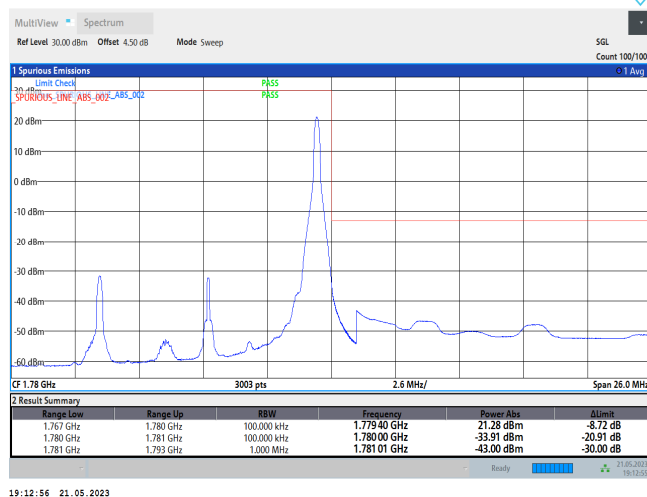
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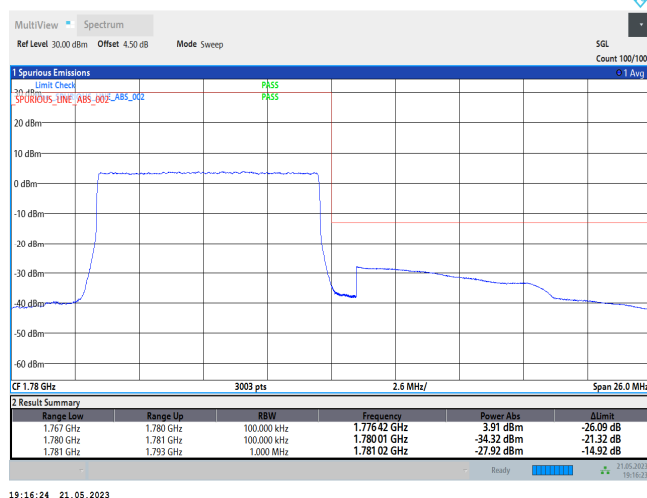
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### Band66-10MHz-QPSK-132622-50RB#0



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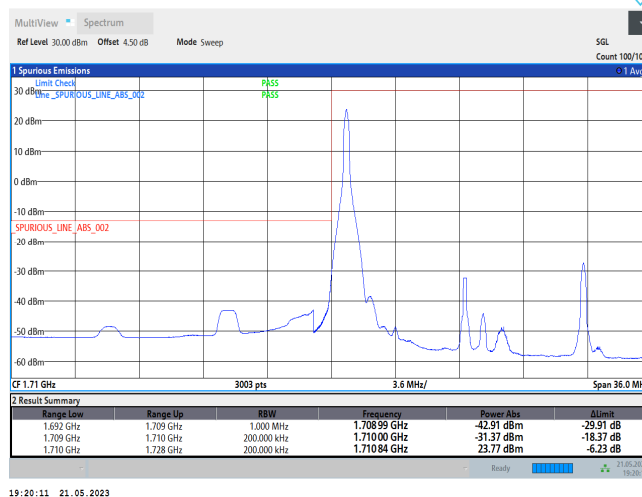
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### Band66-15MHz-QPSK-132047-75RB#0



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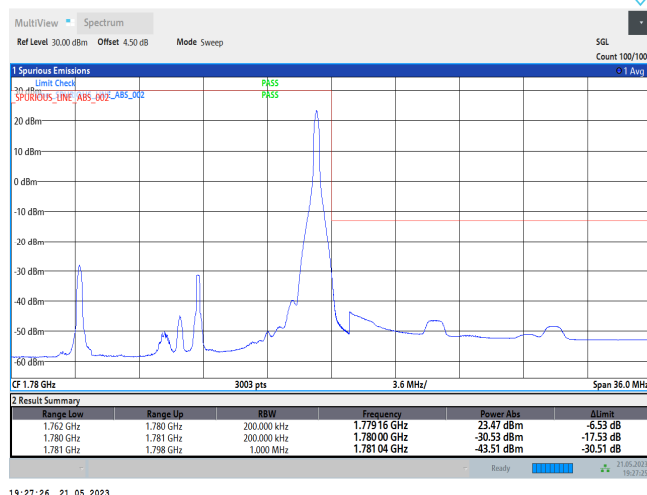
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Page: 40 of 52

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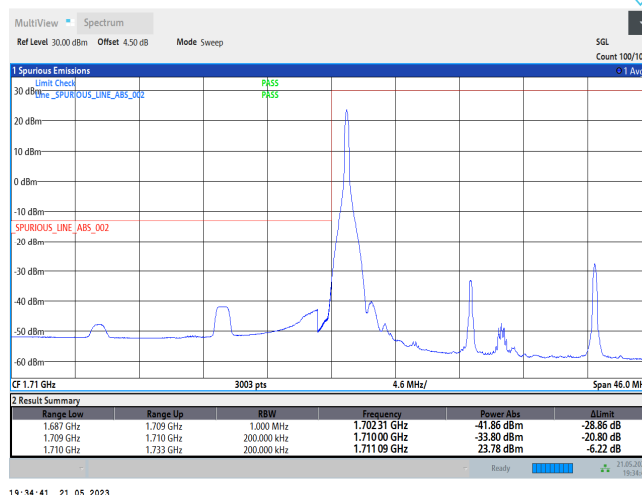


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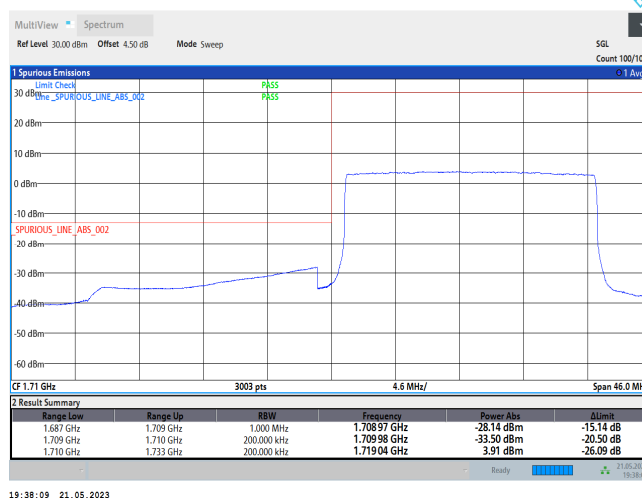
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Page: 41 of 52

### Band66-20MHz-QPSK-132072-1RB#0



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



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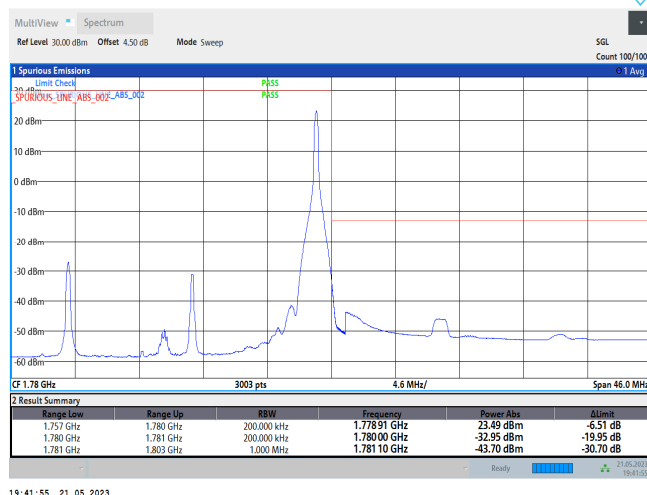
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Rev.: 01

Page: 42 of 52

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



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



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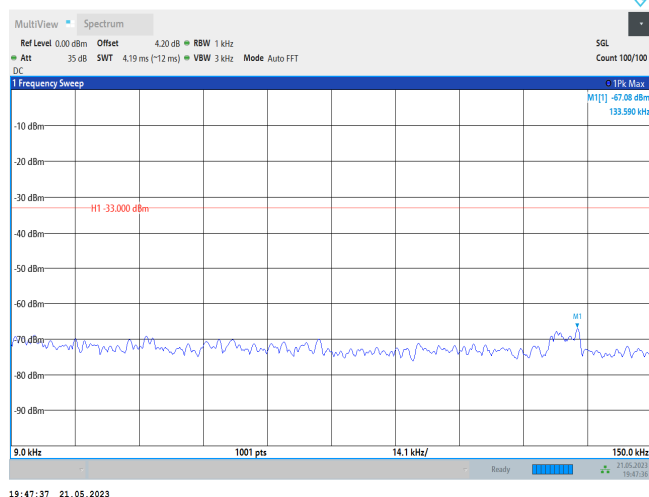
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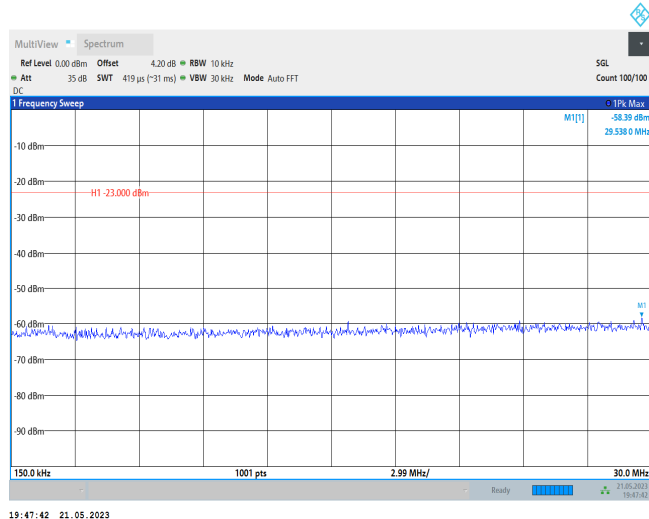
## Conducted Spurious Emission

### 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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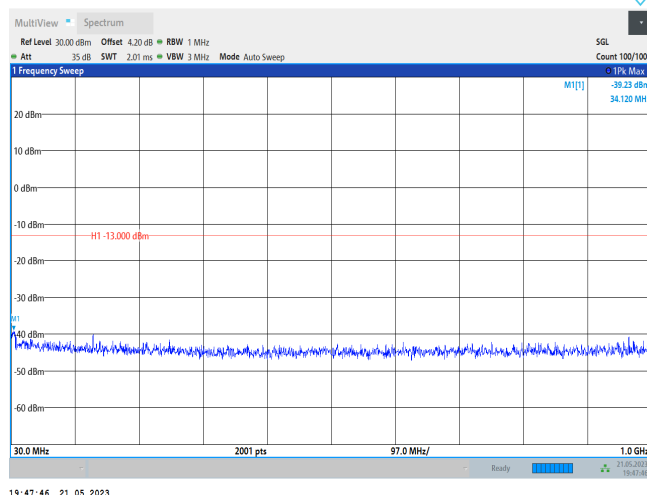
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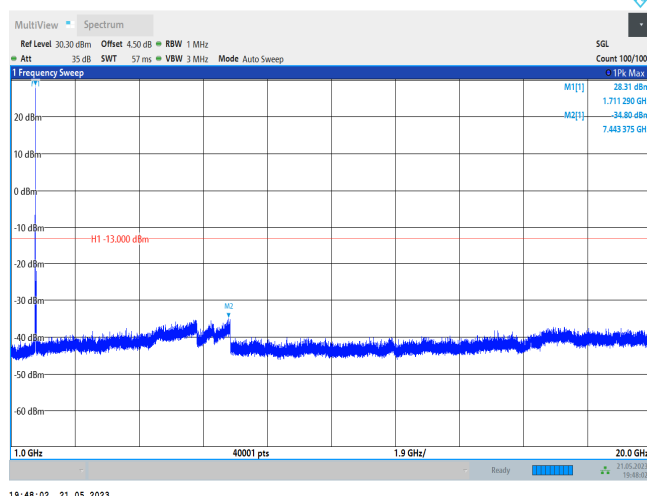
Page: 44 of 52

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



19:47:46 21.05.2023

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



19:48:02 21.05.2023



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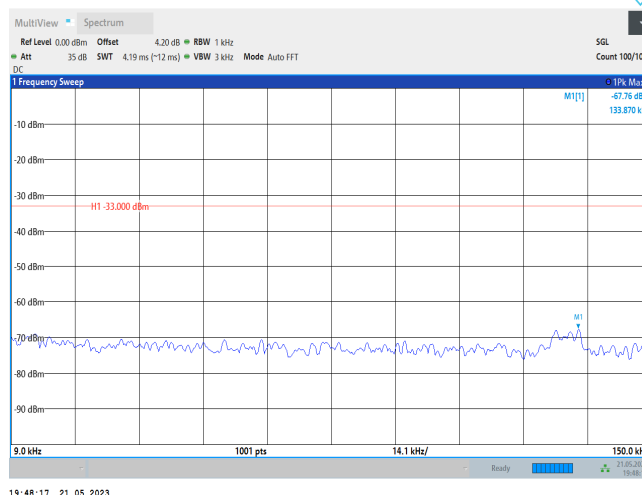
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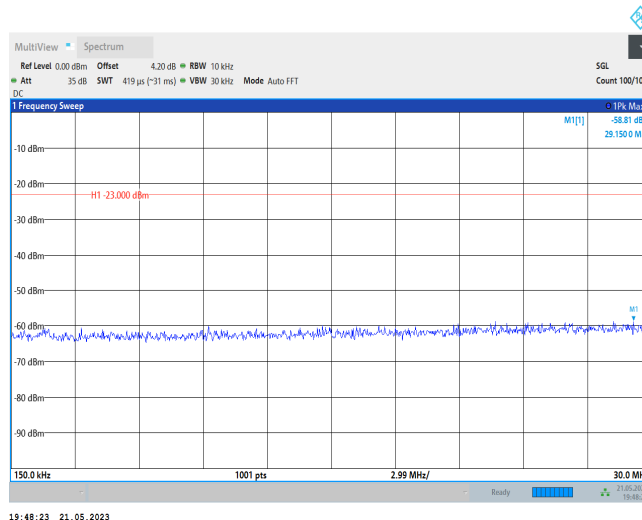
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Page: 45 of 52

### 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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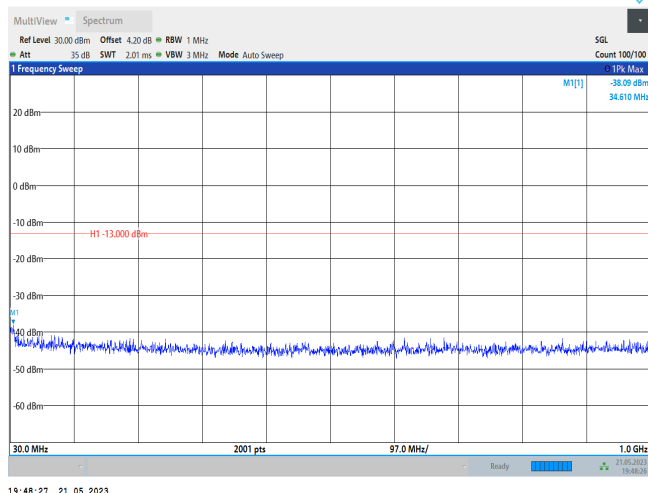
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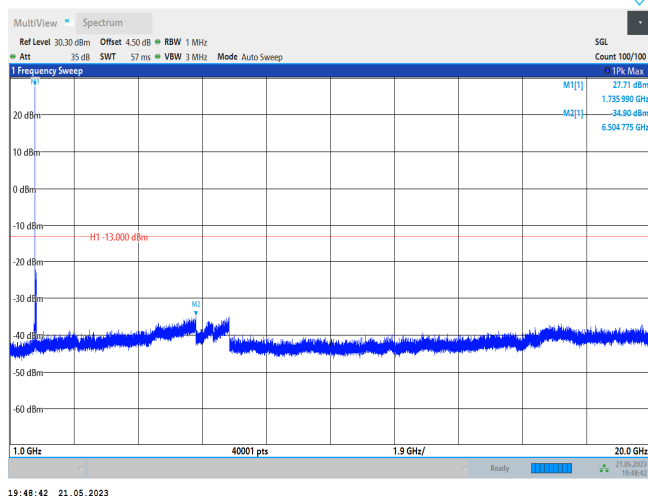
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Page: 46 of 52

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



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



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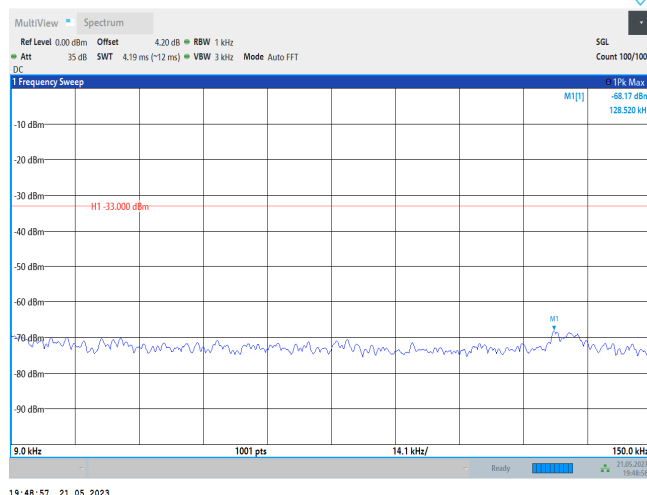


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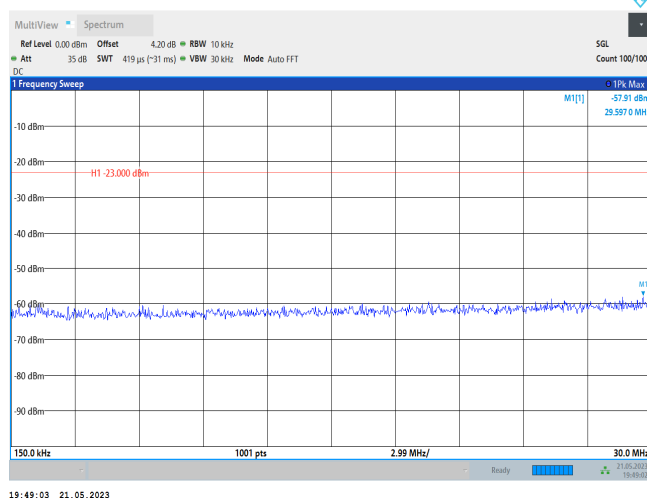
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Page: 47 of 52

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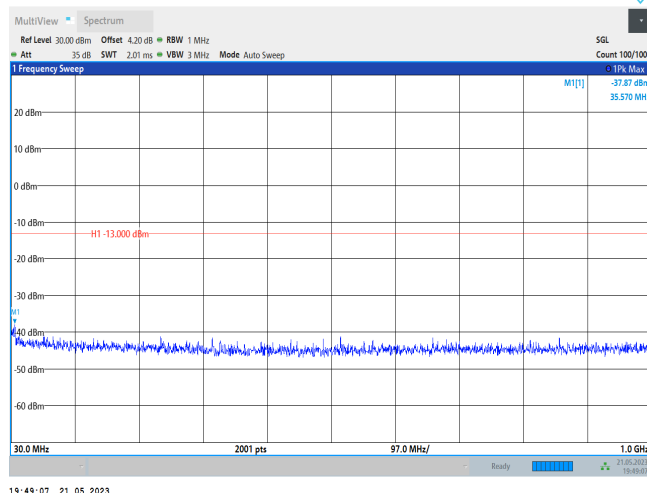
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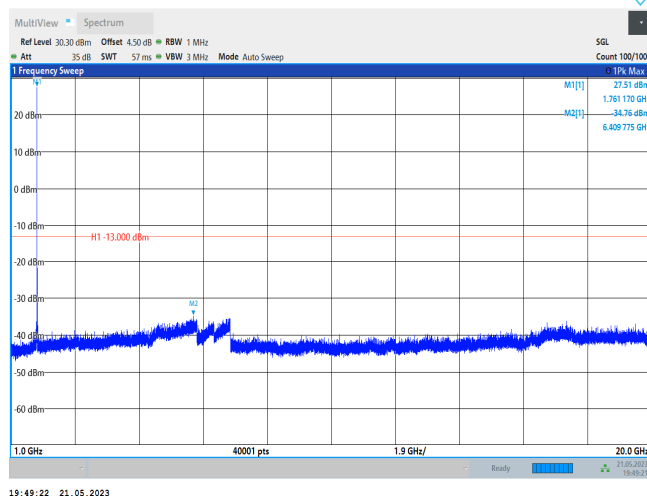
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### Band66-20MHz-QPSK-132572-1RB#0-Range3:30~1000MHz



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



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## Field Strength of Spurious Radiation

**Test Band = LTE Band 66\_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	58.11	-45.88	29.43	-53.60	-13.00	40.60	102	143	Horizontal
2	5106.27	40.05	-44.28	32.60	-66.89	-13.00	53.89	265	1	Horizontal
3	6808.36	39.37	-42.55	35.82	-62.62	-13.00	49.62	284	357	Horizontal
4	8510.45	36.23	-39.54	38.06	-60.51	-13.00	47.51	142	345	Horizontal
5	10212.54	35.46	-36.59	38.73	-57.65	-13.00	44.65	263	295	Horizontal
6	11914.63	30.13	-35.10	38.68	-61.55	-13.00	48.55	224	278	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	64.51	-45.88	29.43	-47.20	-13.00	34.20	264	261	Vertical
2	5106.27	40.75	-44.28	32.60	-66.19	-13.00	53.19	265	147	Vertical
3	6808.36	39.56	-42.55	35.82	-62.43	-13.00	49.43	284	114	Vertical
4	8510.45	36.72	-39.54	38.06	-60.02	-13.00	47.02	142	292	Vertical
5	10212.54	35.53	-36.59	38.73	-57.58	-13.00	44.58	263	194	Vertical
6	11914.63	30.60	-35.10	38.68	-61.08	-13.00	48.08	225	226	Vertical



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**Test Band = LTE Band 66\_ 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	53.43	-45.76	29.41	-58.18	-13.00	45.18	196	229	Horizontal
2	5181.27	40.86	-44.18	32.60	-65.98	-13.00	52.98	265	147	Horizontal
3	6908.36	38.98	-42.44	36.02	-62.71	-13.00	49.71	284	49	Horizontal
4	8635.45	35.94	-39.66	38.20	-60.78	-13.00	47.78	142	196	Horizontal
5	10362.54	33.13	-36.60	38.90	-59.84	-13.00	46.84	263	82	Horizontal
6	12089.63	32.73	-35.20	38.69	-59.04	-13.00	46.04	224	96	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	61.27	-45.76	29.41	-50.34	-13.00	37.34	196	261	Vertical
2	5181.27	41.66	-44.18	32.60	-65.18	-13.00	52.18	265	211	Vertical
3	6908.36	39.77	-42.44	36.02	-61.92	-13.00	48.92	284	310	Vertical
4	8635.45	35.33	-39.66	38.20	-61.39	-13.00	48.39	142	28	Vertical
5	10362.54	33.07	-36.60	38.90	-59.90	-13.00	46.90	142	111	Vertical
6	12089.63	32.87	-35.20	38.69	-58.90	-13.00	45.90	224	45	Vertical



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**Test Band = LTE Band 66\_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	52.06	-45.59	29.45	-59.33	-13.00	46.33	196	112	Horizontal
2	5092.5	42.68	-44.34	32.60	-64.32	-13.00	51.32	265	295	Horizontal
3	7044	46.21	-42.54	36.23	-55.36	-13.00	42.36	284	13	Horizontal
4	8927.25	38.66	-38.97	38.52	-57.05	-13.00	44.05	142	295	Horizontal
5	10207.5	36.08	-36.57	38.73	-57.02	-13.00	44.02	263	245	Horizontal
6	14088.75	41.91	-35.01	40.11	-48.25	-13.00	35.25	224	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	3522	65.81	-45.59	29.45	-45.58	-13.00	32.58	196	230	Vertical
2	5283	44.58	-44.03	32.60	-62.11	-13.00	49.11	265	264	Vertical
3	7044	48.77	-42.54	36.23	-52.80	-13.00	39.80	284	213	Vertical
4	8805.75	39.26	-39.11	38.39	-56.72	-13.00	43.72	142	328	Vertical
5	12327.75	37.24	-35.09	38.93	-54.18	-13.00	41.18	263	180	Vertical
6	14088.75	40.39	-35.01	40.11	-49.77	-13.00	36.77	224	146	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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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南面 邮编: 215000

t (86-512) 62992980

www.sgsgroup.com.cn

t (86-512) 62992980

sgs.china@sgs.com

Report No.: SEWA2304000051RG01

Rev.: 01

Page: 52 of 52

## 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	4.70	0.002693	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	7.20	0.004126	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	6.80	0.003897	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-8.20	-0.004699	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	1.70	0.000974	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	6.60	0.003782	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	0.20	0.000115	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	3.10	0.001777	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	7.90	0.004527	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-5.90	-0.003381	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	0.10	0.000057	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-4.00	-0.002292	PASS

---End of Attachment---



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com