

Report No.: SEWM2306000193RG01

Rev.: 01

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# Appendix B.11

## LTE Band 43(3700-3800)



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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号厂房南楼 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

#### Ant2:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band43	5MHz	QPSK	44615	1RB#0	23.21	25.47	30	PASS
Band43	5MHz	QPSK	44615	1RB#12	23.34	25.6	30	PASS
Band43	5MHz	QPSK	44615	1RB#24	23.30	25.56	30	PASS
Band43	5MHz	QPSK	44615	25RB#0	22.25	24.51	30	PASS
Band43	5MHz	QPSK	45090	1RB#0	23.47	25.73	30	PASS
Band43	5MHz	QPSK	45090	1RB#12	23.58	25.84	30	PASS
Band43	5MHz	QPSK	45090	1RB#24	23.51	25.77	30	PASS
Band43	5MHz	QPSK	45090	25RB#0	22.51	24.77	30	PASS
Band43	5MHz	QPSK	45565	1RB#0	23.79	26.05	30	PASS
Band43	5MHz	QPSK	45565	1RB#12	23.85	26.11	30	PASS
Band43	5MHz	QPSK	45565	1RB#24	23.84	26.1	30	PASS
Band43	5MHz	QPSK	45565	25RB#0	22.79	25.05	30	PASS
Band43	5MHz	16QAM	44615	1RB#0	22.07	24.33	30	PASS
Band43	5MHz	16QAM	44615	1RB#12	22.24	24.5	30	PASS
Band43	5MHz	16QAM	44615	1RB#24	22.27	24.53	30	PASS
Band43	5MHz	16QAM	44615	25RB#0	21.25	23.51	30	PASS
Band43	5MHz	16QAM	45090	1RB#0	22.29	24.55	30	PASS
Band43	5MHz	16QAM	45090	1RB#12	22.47	24.73	30	PASS
Band43	5MHz	16QAM	45090	1RB#24	22.40	24.66	30	PASS
Band43	5MHz	16QAM	45090	25RB#0	21.54	23.8	30	PASS
Band43	5MHz	16QAM	45565	1RB#0	22.71	24.97	30	PASS
Band43	5MHz	16QAM	45565	1RB#12	22.88	25.14	30	PASS
Band43	5MHz	16QAM	45565	1RB#24	22.84	25.1	30	PASS
Band43	5MHz	16QAM	45565	25RB#0	21.80	24.06	30	PASS
Band43	5MHz	64QAM	44615	1RB#0	21.18	23.44	30	PASS
Band43	5MHz	64QAM	44615	1RB#12	21.37	23.63	30	PASS
Band43	5MHz	64QAM	44615	1RB#24	21.36	23.62	30	PASS



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Band43	5MHz	64QAM	44615	25RB#0	20.25	22.51	30	PASS
Band43	5MHz	64QAM	45090	1RB#0	21.44	23.7	30	PASS
Band43	5MHz	64QAM	45090	1RB#12	21.59	23.85	30	PASS
Band43	5MHz	64QAM	45090	1RB#24	21.68	23.94	30	PASS
Band43	5MHz	64QAM	45090	25RB#0	20.53	22.79	30	PASS
Band43	5MHz	64QAM	45565	1RB#0	21.88	24.14	30	PASS
Band43	5MHz	64QAM	45565	1RB#12	21.91	24.17	30	PASS
Band43	5MHz	64QAM	45565	1RB#24	21.92	24.18	30	PASS
Band43	5MHz	64QAM	45565	25RB#0	20.78	23.04	30	PASS
Band43	5MHz	256QAM	44615	1RB#0	18.12	20.38	30	PASS
Band43	5MHz	256QAM	44615	1RB#12	18.21	20.47	30	PASS
Band43	5MHz	256QAM	44615	1RB#24	18.19	20.45	30	PASS
Band43	5MHz	256QAM	44615	25RB#0	18.24	20.5	30	PASS
Band43	5MHz	256QAM	45090	1RB#0	18.50	20.76	30	PASS
Band43	5MHz	256QAM	45090	1RB#12	18.55	20.81	30	PASS
Band43	5MHz	256QAM	45090	1RB#24	18.52	20.78	30	PASS
Band43	5MHz	256QAM	45090	25RB#0	18.57	20.83	30	PASS
Band43	5MHz	256QAM	45565	1RB#0	18.62	20.88	30	PASS
Band43	5MHz	256QAM	45565	1RB#12	18.83	21.09	30	PASS
Band43	5MHz	256QAM	45565	1RB#24	18.85	21.11	30	PASS
Band43	5MHz	256QAM	45565	25RB#0	18.80	21.06	30	PASS
Band43	10MHz	QPSK	44640	1RB#0	23.23	25.49	30	PASS
Band43	10MHz	QPSK	44640	1RB#24	23.37	25.63	30	PASS
Band43	10MHz	QPSK	44640	1RB#49	23.38	25.64	30	PASS
Band43	10MHz	QPSK	44640	50RB#0	22.42	24.68	30	PASS
Band43	10MHz	QPSK	45090	1RB#0	23.48	25.74	30	PASS
Band43	10MHz	QPSK	45090	1RB#24	23.59	25.85	30	PASS
Band43	10MHz	QPSK	45090	1RB#49	23.57	25.83	30	PASS
Band43	10MHz	QPSK	45090	50RB#0	22.60	24.86	30	PASS
Band43	10MHz	QPSK	45540	1RB#0	23.64	25.9	30	PASS
Band43	10MHz	QPSK	45540	1RB#24	23.78	26.04	30	PASS
Band43	10MHz	QPSK	45540	1RB#49	23.77	26.03	30	PASS
Band43	10MHz	QPSK	45540	50RB#0	22.79	25.05	30	PASS



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratories

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone  
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号厂房南楼 邮编: 215000

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



Band43	10MHz	16QAM	44640	1RB#0	22.22	24.48	30	PASS
Band43	10MHz	16QAM	44640	1RB#24	22.35	24.61	30	PASS
Band43	10MHz	16QAM	44640	1RB#49	22.33	24.59	30	PASS
Band43	10MHz	16QAM	44640	50RB#0	21.40	23.66	30	PASS
Band43	10MHz	16QAM	45090	1RB#0	22.45	24.71	30	PASS
Band43	10MHz	16QAM	45090	1RB#24	22.46	24.72	30	PASS
Band43	10MHz	16QAM	45090	1RB#49	22.57	24.83	30	PASS
Band43	10MHz	16QAM	45090	50RB#0	21.62	23.88	30	PASS
Band43	10MHz	16QAM	45540	1RB#0	22.64	24.9	30	PASS
Band43	10MHz	16QAM	45540	1RB#24	22.66	24.92	30	PASS
Band43	10MHz	16QAM	45540	1RB#49	22.72	24.98	30	PASS
Band43	10MHz	16QAM	45540	50RB#0	21.81	24.07	30	PASS
Band43	10MHz	64QAM	44640	1RB#0	21.30	23.56	30	PASS
Band43	10MHz	64QAM	44640	1RB#24	21.44	23.7	30	PASS
Band43	10MHz	64QAM	44640	1RB#49	21.48	23.74	30	PASS
Band43	10MHz	64QAM	44640	50RB#0	20.40	22.66	30	PASS
Band43	10MHz	64QAM	45090	1RB#0	21.46	23.72	30	PASS
Band43	10MHz	64QAM	45090	1RB#24	21.64	23.9	30	PASS
Band43	10MHz	64QAM	45090	1RB#49	21.65	23.91	30	PASS
Band43	10MHz	64QAM	45090	50RB#0	20.63	22.89	30	PASS
Band43	10MHz	64QAM	45540	1RB#0	21.71	23.97	30	PASS
Band43	10MHz	64QAM	45540	1RB#24	21.79	24.05	30	PASS
Band43	10MHz	64QAM	45540	1RB#49	21.87	24.13	30	PASS
Band43	10MHz	64QAM	45540	50RB#0	20.79	23.05	30	PASS
Band43	10MHz	256QAM	44640	1RB#0	18.26	20.52	30	PASS
Band43	10MHz	256QAM	44640	1RB#24	18.31	20.57	30	PASS
Band43	10MHz	256QAM	44640	1RB#49	18.40	20.66	30	PASS
Band43	10MHz	256QAM	44640	50RB#0	18.40	20.66	30	PASS
Band43	10MHz	256QAM	45090	1RB#0	18.34	20.6	30	PASS
Band43	10MHz	256QAM	45090	1RB#24	18.53	20.79	30	PASS
Band43	10MHz	256QAM	45090	1RB#49	18.52	20.78	30	PASS
Band43	10MHz	256QAM	45090	50RB#0	18.62	20.88	30	PASS
Band43	10MHz	256QAM	45540	1RB#0	18.59	20.85	30	PASS



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

Band43	10MHz	256QAM	45540	1RB#24	18.77	21.03	30	PASS
Band43	10MHz	256QAM	45540	1RB#49	18.79	21.05	30	PASS
Band43	10MHz	256QAM	45540	50RB#0	18.84	21.1	30	PASS
Band43	15MHz	QPSK	44665	1RB#0	23.01	25.27	30	PASS
Band43	15MHz	QPSK	44665	1RB#38	23.12	25.38	30	PASS
Band43	15MHz	QPSK	44665	1RB#74	23.16	25.42	30	PASS
Band43	15MHz	QPSK	44665	75RB#0	22.16	24.42	30	PASS
Band43	15MHz	QPSK	45090	1RB#0	23.18	25.44	30	PASS
Band43	15MHz	QPSK	45090	1RB#38	23.25	25.51	30	PASS
Band43	15MHz	QPSK	45090	1RB#74	23.28	25.54	30	PASS
Band43	15MHz	QPSK	45090	75RB#0	22.43	24.69	30	PASS
Band43	15MHz	QPSK	45515	1RB#0	23.45	25.71	30	PASS
Band43	15MHz	QPSK	45515	1RB#38	23.55	25.81	30	PASS
Band43	15MHz	QPSK	45515	1RB#74	23.57	25.83	30	PASS
Band43	15MHz	QPSK	45515	75RB#0	22.70	24.96	30	PASS
Band43	15MHz	16QAM	44665	1RB#0	21.98	24.24	30	PASS
Band43	15MHz	16QAM	44665	1RB#38	22.12	24.38	30	PASS
Band43	15MHz	16QAM	44665	1RB#74	22.20	24.46	30	PASS
Band43	15MHz	16QAM	44665	75RB#0	21.20	23.46	30	PASS
Band43	15MHz	16QAM	45090	1RB#0	22.17	24.43	30	PASS
Band43	15MHz	16QAM	45090	1RB#38	22.35	24.61	30	PASS
Band43	15MHz	16QAM	45090	1RB#74	22.25	24.51	30	PASS
Band43	15MHz	16QAM	45090	75RB#0	21.44	23.7	30	PASS
Band43	15MHz	16QAM	45515	1RB#0	22.53	24.79	30	PASS
Band43	15MHz	16QAM	45515	1RB#38	22.50	24.76	30	PASS
Band43	15MHz	16QAM	45515	1RB#74	22.52	24.78	30	PASS
Band43	15MHz	16QAM	45515	75RB#0	21.71	23.97	30	PASS
Band43	15MHz	64QAM	44665	1RB#0	21.12	23.38	30	PASS
Band43	15MHz	64QAM	44665	1RB#38	21.24	23.5	30	PASS
Band43	15MHz	64QAM	44665	1RB#74	21.23	23.49	30	PASS
Band43	15MHz	64QAM	44665	75RB#0	20.17	22.43	30	PASS
Band43	15MHz	64QAM	45090	1RB#0	21.32	23.58	30	PASS
Band43	15MHz	64QAM	45090	1RB#38	21.40	23.66	30	PASS



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Band43	15MHz	64QAM	45090	1RB#74	21.40	23.66	30	PASS
Band43	15MHz	64QAM	45090	75RB#0	20.41	22.67	30	PASS
Band43	15MHz	64QAM	45515	1RB#0	21.61	23.87	30	PASS
Band43	15MHz	64QAM	45515	1RB#38	21.63	23.89	30	PASS
Band43	15MHz	64QAM	45515	1RB#74	21.70	23.96	30	PASS
Band43	15MHz	64QAM	45515	75RB#0	20.67	22.93	30	PASS
Band43	15MHz	256QAM	44665	1RB#0	17.98	20.24	30	PASS
Band43	15MHz	256QAM	44665	1RB#38	18.05	20.31	30	PASS
Band43	15MHz	256QAM	44665	1RB#74	18.18	20.44	30	PASS
Band43	15MHz	256QAM	44665	75RB#0	18.18	20.44	30	PASS
Band43	15MHz	256QAM	45090	1RB#0	18.24	20.5	30	PASS
Band43	15MHz	256QAM	45090	1RB#38	18.34	20.6	30	PASS
Band43	15MHz	256QAM	45090	1RB#74	18.39	20.65	30	PASS
Band43	15MHz	256QAM	45090	75RB#0	18.47	20.73	30	PASS
Band43	15MHz	256QAM	45515	1RB#0	18.25	20.51	30	PASS
Band43	15MHz	256QAM	45515	1RB#38	18.54	20.8	30	PASS
Band43	15MHz	256QAM	45515	1RB#74	18.67	20.93	30	PASS
Band43	15MHz	256QAM	45515	75RB#0	18.67	20.93	30	PASS
Band43	20MHz	QPSK	44690	1RB#0	23.06	25.32	30	PASS
Band43	20MHz	QPSK	44690	1RB#49	23.15	25.41	30	PASS
Band43	20MHz	QPSK	44690	1RB#99	23.17	25.43	30	PASS
Band43	20MHz	QPSK	44690	100RB#0	22.21	24.47	30	PASS
Band43	20MHz	QPSK	45090	1RB#0	23.18	25.44	30	PASS
Band43	20MHz	QPSK	45090	1RB#49	23.30	25.56	30	PASS
Band43	20MHz	QPSK	45090	1RB#99	23.34	25.6	30	PASS
Band43	20MHz	QPSK	45090	100RB#0	22.43	24.69	30	PASS
Band43	20MHz	QPSK	45490	1RB#0	23.54	25.8	30	PASS
Band43	20MHz	QPSK	45490	1RB#49	23.52	25.78	30	PASS
Band43	20MHz	QPSK	45490	1RB#99	23.58	25.84	30	PASS
Band43	20MHz	QPSK	45490	100RB#0	22.59	24.85	30	PASS
Band43	20MHz	16QAM	44690	1RB#0	22.07	24.33	30	PASS
Band43	20MHz	16QAM	44690	1RB#49	22.05	24.31	30	PASS
Band43	20MHz	16QAM	44690	1RB#99	22.18	24.44	30	PASS



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Band43	20MHz	16QAM	44690	100RB#0	21.24	23.5	30	PASS
Band43	20MHz	16QAM	45090	1RB#0	22.25	24.51	30	PASS
Band43	20MHz	16QAM	45090	1RB#49	22.24	24.5	30	PASS
Band43	20MHz	16QAM	45090	1RB#99	22.35	24.61	30	PASS
Band43	20MHz	16QAM	45090	100RB#0	21.41	23.67	30	PASS
Band43	20MHz	16QAM	45490	1RB#0	22.44	24.7	30	PASS
Band43	20MHz	16QAM	45490	1RB#49	22.48	24.74	30	PASS
Band43	20MHz	16QAM	45490	1RB#99	22.48	24.74	30	PASS
Band43	20MHz	16QAM	45490	100RB#0	21.58	23.84	30	PASS
Band43	20MHz	64QAM	44690	1RB#0	21.17	23.43	30	PASS
Band43	20MHz	64QAM	44690	1RB#49	21.27	23.53	30	PASS
Band43	20MHz	64QAM	44690	1RB#99	21.26	23.52	30	PASS
Band43	20MHz	64QAM	44690	100RB#0	20.24	22.5	30	PASS
Band43	20MHz	64QAM	45090	1RB#0	21.34	23.6	30	PASS
Band43	20MHz	64QAM	45090	1RB#49	21.35	23.61	30	PASS
Band43	20MHz	64QAM	45090	1RB#99	21.43	23.69	30	PASS
Band43	20MHz	64QAM	45090	100RB#0	20.42	22.68	30	PASS
Band43	20MHz	64QAM	45490	1RB#0	21.66	23.92	30	PASS
Band43	20MHz	64QAM	45490	1RB#49	21.67	23.93	30	PASS
Band43	20MHz	64QAM	45490	1RB#99	21.69	23.95	30	PASS
Band43	20MHz	64QAM	45490	100RB#0	20.60	22.86	30	PASS
Band43	20MHz	256QAM	44690	1RB#0	18.13	20.39	30	PASS
Band43	20MHz	256QAM	44690	1RB#49	18.14	20.4	30	PASS
Band43	20MHz	256QAM	44690	1RB#99	18.22	20.48	30	PASS
Band43	20MHz	256QAM	44690	100RB#0	18.26	20.52	30	PASS
Band43	20MHz	256QAM	45090	1RB#0	18.22	20.48	30	PASS
Band43	20MHz	256QAM	45090	1RB#49	18.36	20.62	30	PASS
Band43	20MHz	256QAM	45090	1RB#99	18.39	20.65	30	PASS
Band43	20MHz	256QAM	45090	100RB#0	18.43	20.69	30	PASS
Band43	20MHz	256QAM	45490	1RB#0	18.37	20.63	30	PASS
Band43	20MHz	256QAM	45490	1RB#49	18.46	20.72	30	PASS
Band43	20MHz	256QAM	45490	1RB#99	18.68	20.94	30	PASS
Band43	20MHz	256QAM	45490	100RB#0	18.61	20.87	30	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band43	20MHz	QPSK	44690	100RB#0	9.42	13	PASS
Band43	20MHz	QPSK	45090	100RB#0	9.34	13	PASS
Band43	20MHz	QPSK	45490	100RB#0	9.30	13	PASS
Band43	20MHz	16QAM	44690	100RB#0	10.04	13	PASS
Band43	20MHz	16QAM	45090	100RB#0	10.04	13	PASS
Band43	20MHz	16QAM	45490	100RB#0	10.14	13	PASS
Band43	20MHz	64QAM	44690	100RB#0	10.24	13	PASS
Band43	20MHz	64QAM	45090	100RB#0	10.14	13	PASS
Band43	20MHz	64QAM	45490	100RB#0	10.40	13	PASS
Band43	20MHz	256QAM	44690	100RB#0	10.16	13	PASS
Band43	20MHz	256QAM	45090	100RB#0	10.16	13	PASS
Band43	20MHz	256QAM	45490	100RB#0	10.28	13	PASS



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Test Graphs

Band43-20MHz-QPSK-44690-100RB#0



19:27:40 15.06.2023

Band43-20MHz-QPSK-45090-100RB#0



19:29:08 15.06.2023



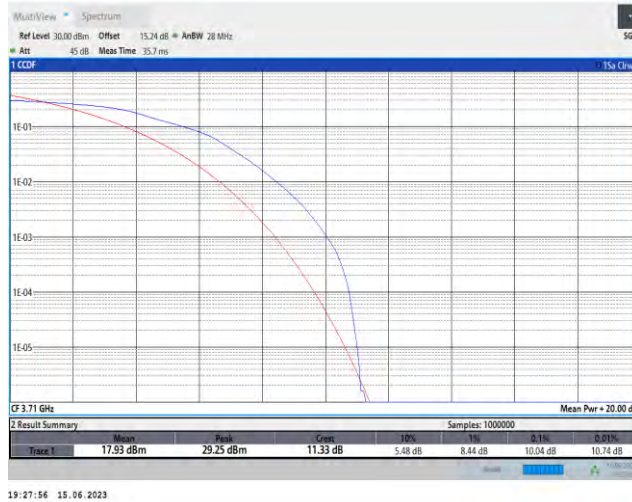
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Band43-20MHz-QPSK-45490-100RB#0



Band43-20MHz-16QAM-44690-100RB#0

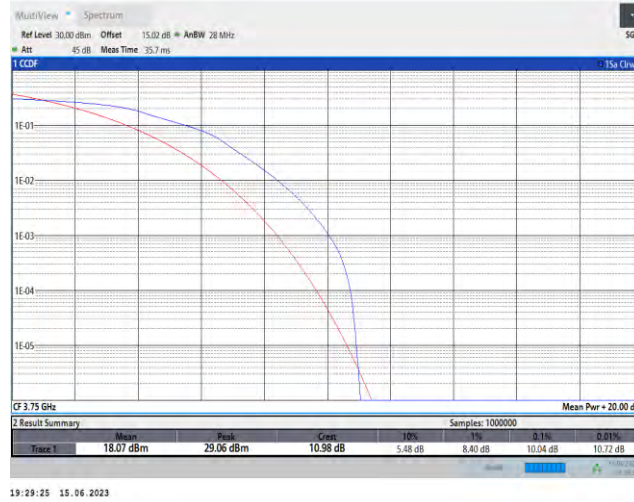


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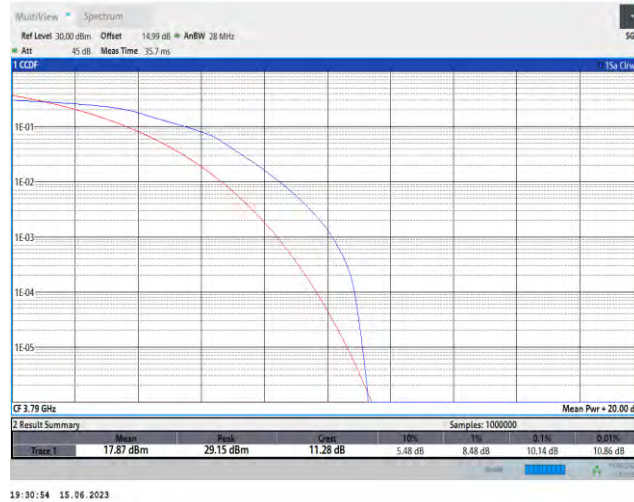
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Band43-20MHz-16QAM-45090-100RB#0



19:29:25 15.06.2023

Band43-20MHz-16QAM-45490-100RB#0



19:30:54 15.06.2023

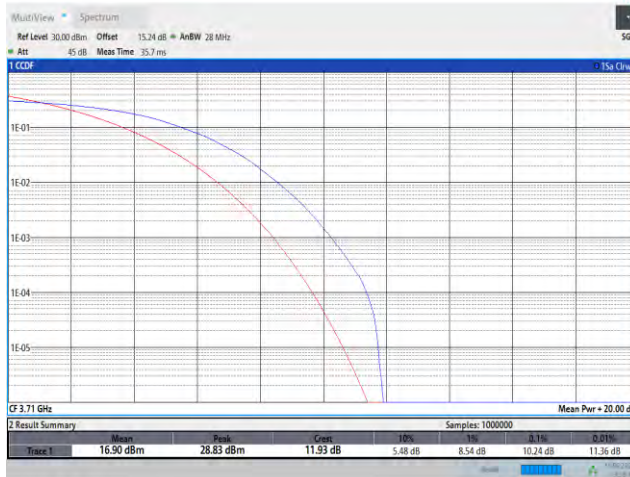


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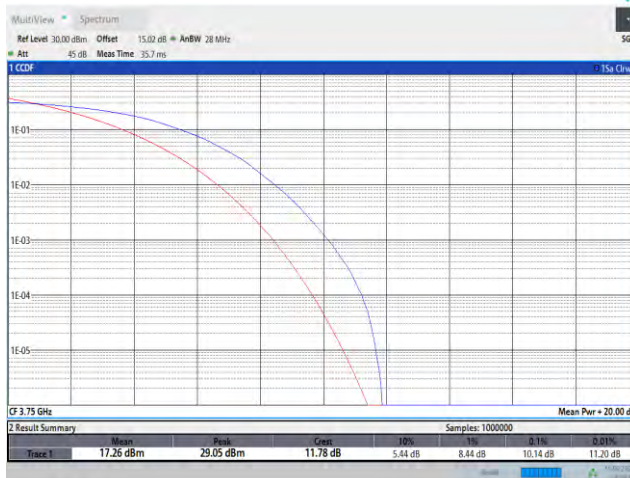
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Band43-20MHz-64QAM-44690-100RB#0



19:28:12 15.06.2023

Band43-20MHz-64QAM-45090-100RB#0



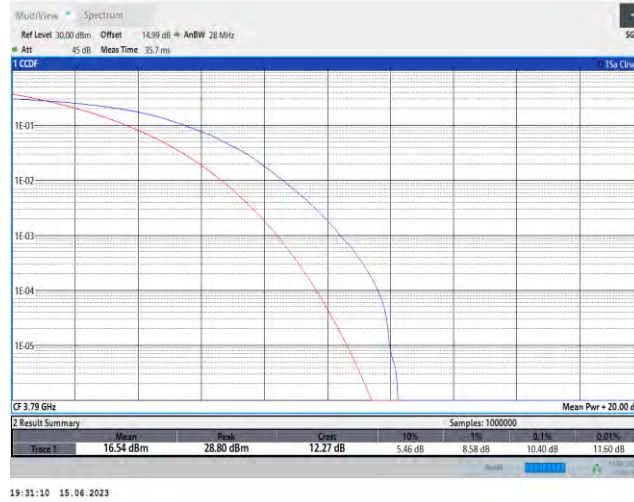
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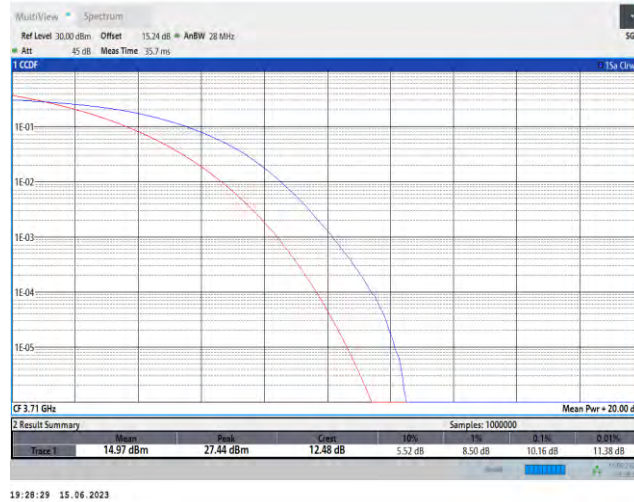
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Band43-20MHz-64QAM-45490-100RB#0



19:31:10 15.06.2023

Band43-20MHz-256QAM-44690-100RB#0



19:28:29 15.06.2023

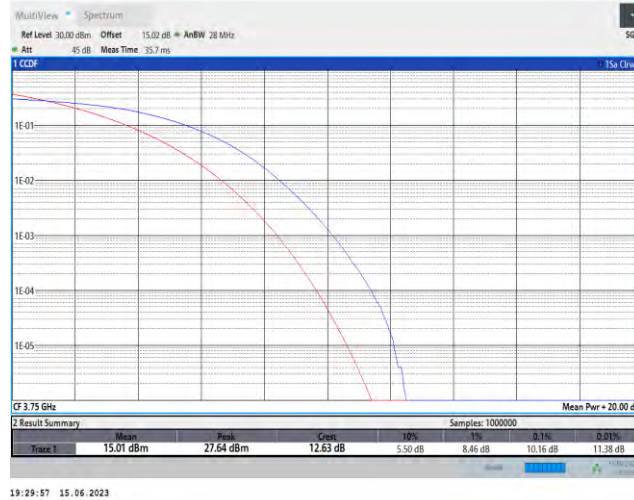


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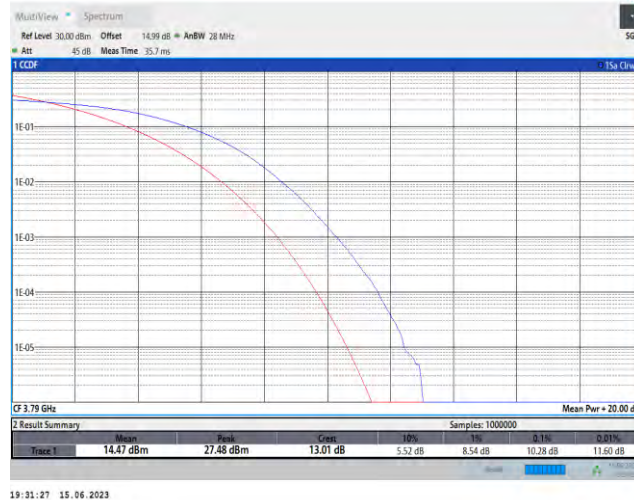
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Band43-20MHz-256QAM-45090-100RB#0



19:29:57 15.06.2023

Band43-20MHz-256QAM-45490-100RB#0



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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band43	20MHz	QPSK	45090	100RB#0	PASS	PASS
Band43	20MHz	16QAM	45090	100RB#0	PASS	PASS
Band43	20MHz	64QAM	45090	100RB#0	PASS	PASS
Band43	20MHz	256QAM	45090	100RB#0	PASS	PASS



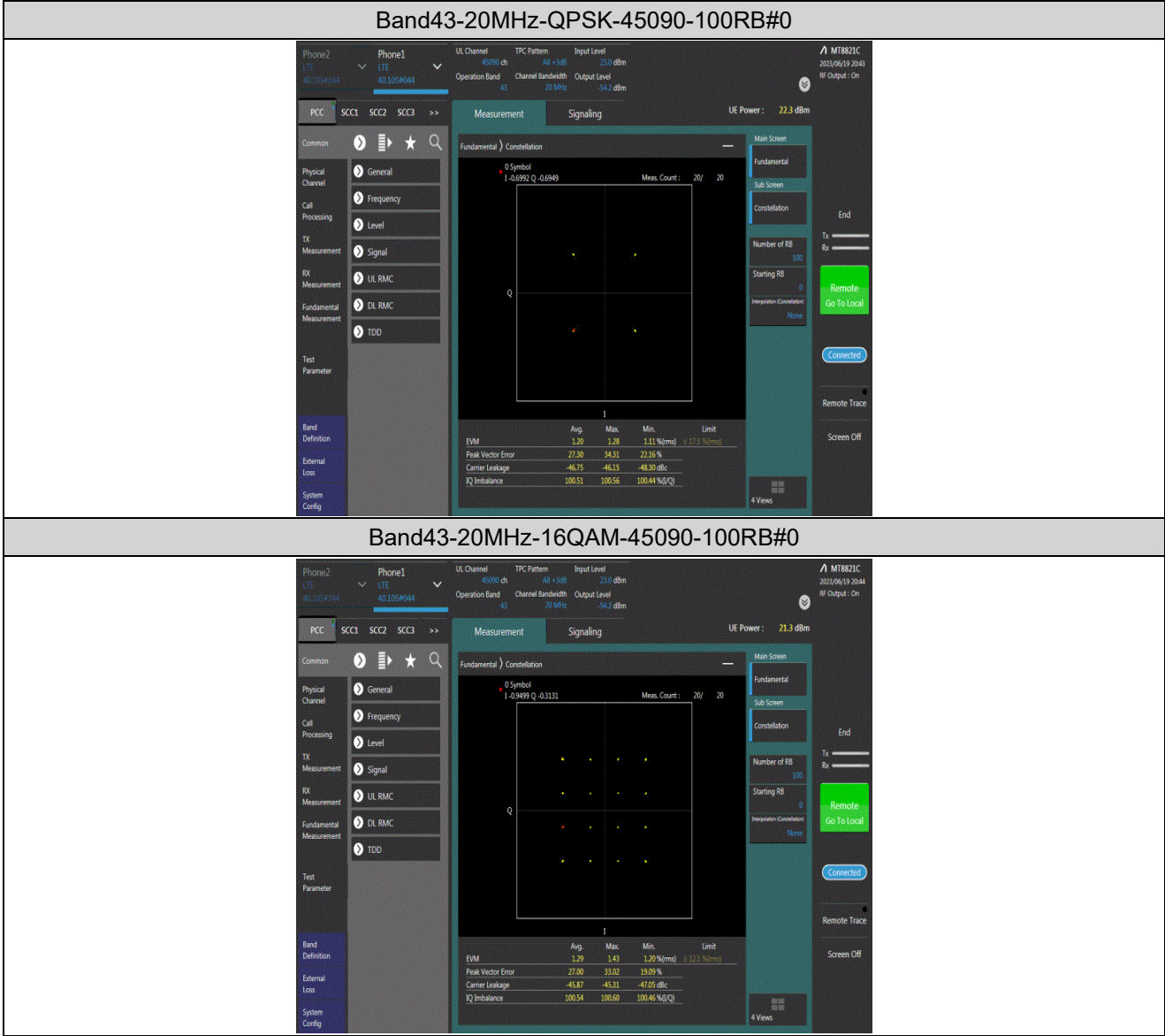
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Test Graphs

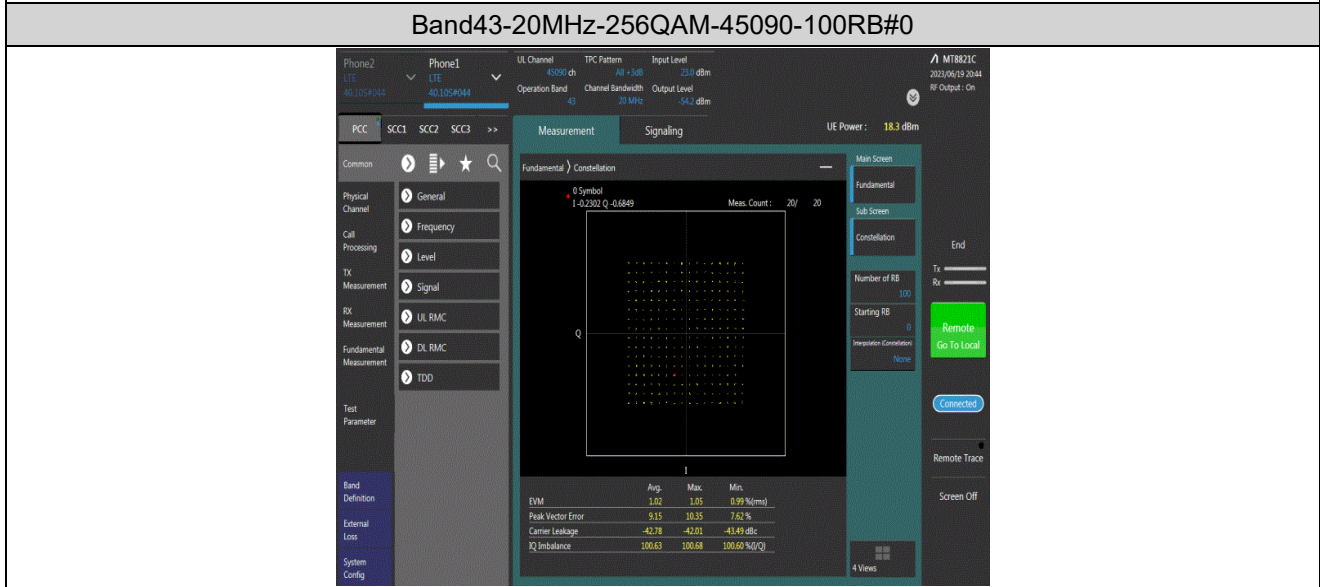
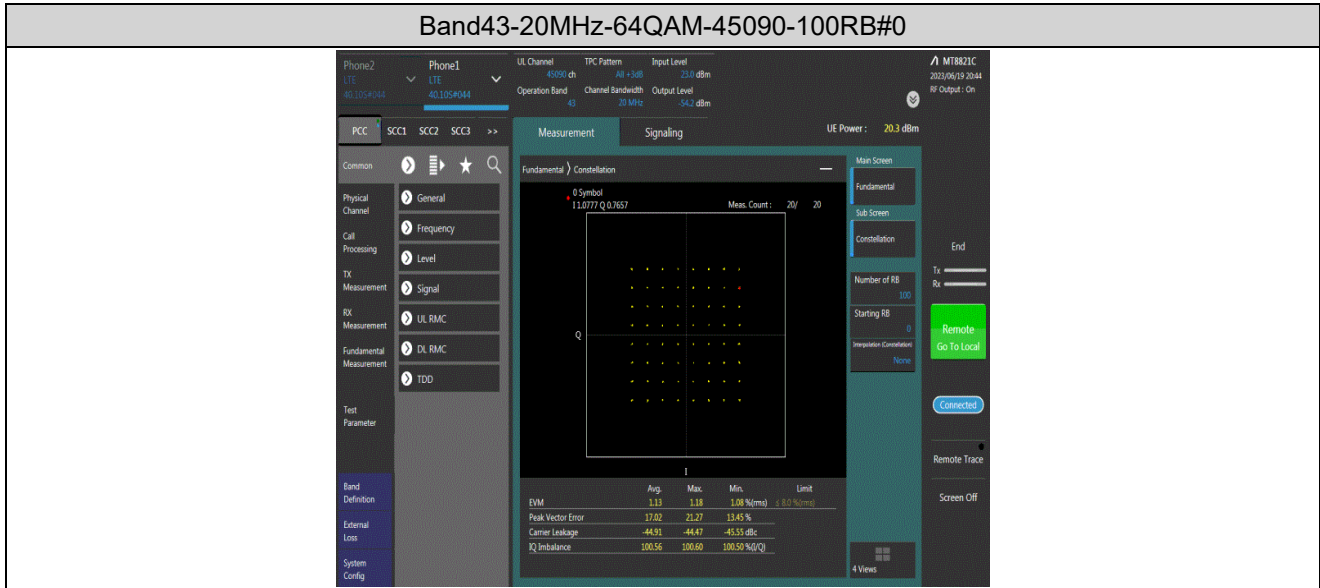


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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band43	5MHz	QPSK	44615	25RB#0	4.477	4.99	PASS
Band43	5MHz	QPSK	45090	25RB#0	4.477	5.03	PASS
Band43	5MHz	QPSK	45565	25RB#0	4.48	5.10	PASS
Band43	5MHz	16QAM	44615	25RB#0	4.483	5.04	PASS
Band43	5MHz	16QAM	45090	25RB#0	4.483	5.03	PASS
Band43	5MHz	16QAM	45565	25RB#0	4.474	5.04	PASS
Band43	5MHz	64QAM	44615	25RB#0	4.478	5.04	PASS
Band43	5MHz	64QAM	45090	25RB#0	4.48	5.01	PASS
Band43	5MHz	64QAM	45565	25RB#0	4.477	5.08	PASS
Band43	5MHz	256QAM	44615	25RB#0	4.481	5.05	PASS
Band43	5MHz	256QAM	45090	25RB#0	4.476	5.02	PASS
Band43	5MHz	256QAM	45565	25RB#0	4.485	5.05	PASS
Band43	10MHz	QPSK	44640	50RB#0	8.951	9.90	PASS
Band43	10MHz	QPSK	45090	50RB#0	8.946	9.93	PASS
Band43	10MHz	QPSK	45540	50RB#0	8.956	9.93	PASS
Band43	10MHz	16QAM	44640	50RB#0	8.957	9.97	PASS
Band43	10MHz	16QAM	45090	50RB#0	8.942	9.97	PASS
Band43	10MHz	16QAM	45540	50RB#0	8.964	9.93	PASS
Band43	10MHz	64QAM	44640	50RB#0	8.956	9.87	PASS
Band43	10MHz	64QAM	45090	50RB#0	8.945	9.93	PASS
Band43	10MHz	64QAM	45540	50RB#0	8.95	10.00	PASS
Band43	10MHz	256QAM	44640	50RB#0	8.956	9.90	PASS
Band43	10MHz	256QAM	45090	50RB#0	8.96	9.90	PASS
Band43	10MHz	256QAM	45540	50RB#0	8.966	9.87	PASS
Band43	15MHz	QPSK	44665	75RB#0	13.507	15.20	PASS
Band43	15MHz	QPSK	45090	75RB#0	13.518	15.10	PASS
Band43	15MHz	QPSK	45515	75RB#0	13.512	15.10	PASS
Band43	15MHz	16QAM	44665	75RB#0	13.501	15.10	PASS
Band43	15MHz	16QAM	45090	75RB#0	13.49	15.00	PASS
Band43	15MHz	16QAM	45515	75RB#0	13.499	15.10	PASS
Band43	15MHz	64QAM	44665	75RB#0	13.499	15.10	PASS



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Report No.: SEWM2306000193RG01

Rev.: 01

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Band43	15MHz	64QAM	45090	75RB#0	13.496	15.15	PASS
Band43	15MHz	64QAM	45515	75RB#0	13.498	15.15	PASS
Band43	15MHz	256QAM	44665	75RB#0	13.481	15.00	PASS
Band43	15MHz	256QAM	45090	75RB#0	13.505	15.05	PASS
Band43	15MHz	256QAM	45515	75RB#0	13.505	15.10	PASS
Band43	20MHz	QPSK	44690	100RB#0	17.93	19.87	PASS
Band43	20MHz	QPSK	45090	100RB#0	17.918	19.73	PASS
Band43	20MHz	QPSK	45490	100RB#0	17.946	19.87	PASS
Band43	20MHz	16QAM	44690	100RB#0	17.932	19.80	PASS
Band43	20MHz	16QAM	45090	100RB#0	17.91	19.80	PASS
Band43	20MHz	16QAM	45490	100RB#0	17.906	19.73	PASS
Band43	20MHz	64QAM	44690	100RB#0	17.94	19.73	PASS
Band43	20MHz	64QAM	45090	100RB#0	17.896	19.67	PASS
Band43	20MHz	64QAM	45490	100RB#0	17.941	19.87	PASS
Band43	20MHz	256QAM	44690	100RB#0	17.933	19.73	PASS
Band43	20MHz	256QAM	45090	100RB#0	17.899	19.73	PASS
Band43	20MHz	256QAM	45490	100RB#0	17.938	19.73	PASS

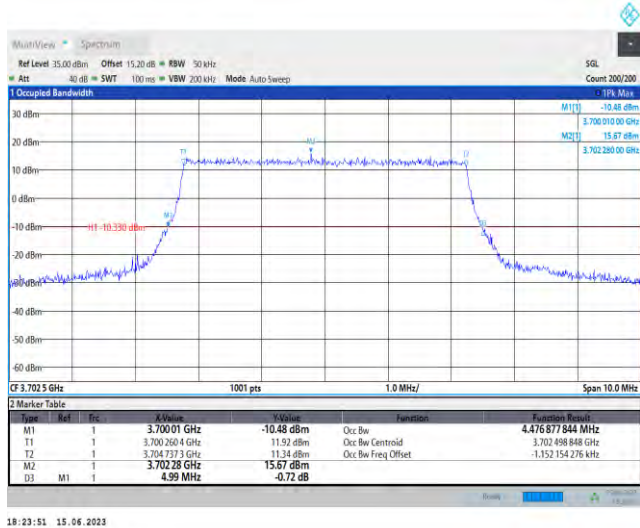


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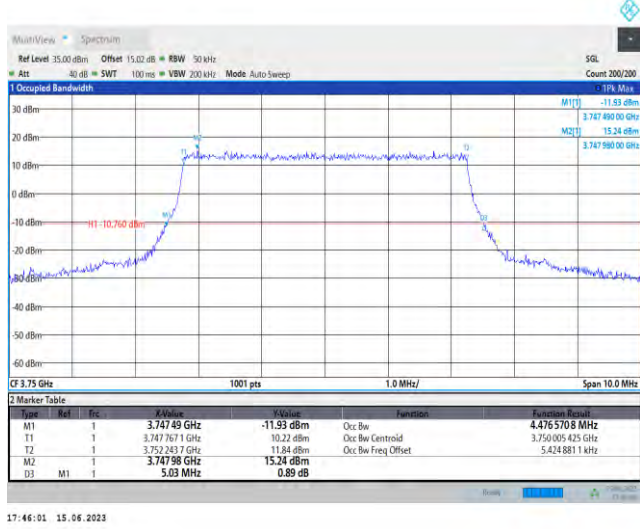
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Test Graphs

Band43-5MHz-QPSK-44615-25RB#0



Band43-5MHz-QPSK-45090-25RB#0



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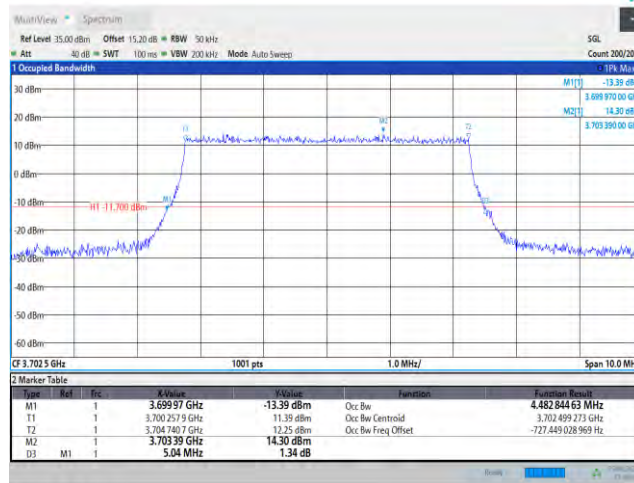
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Band43-5MHz-QPSK-45565-25RB#0



17:49:41 15.06.2023

Band43-5MHz-16QAM-44615-25RB#0



17:43:59 15.06.2023

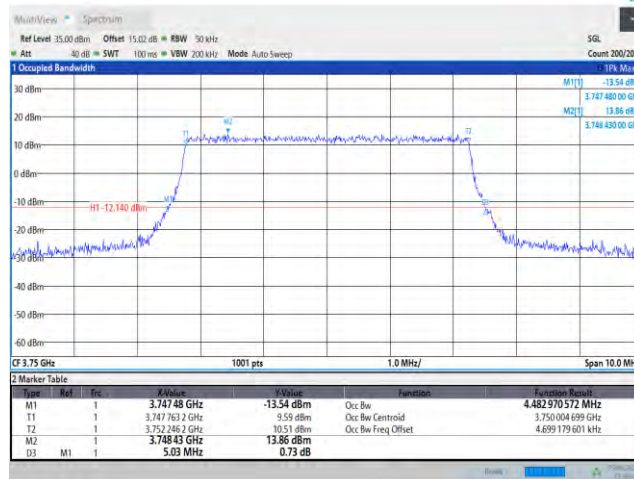


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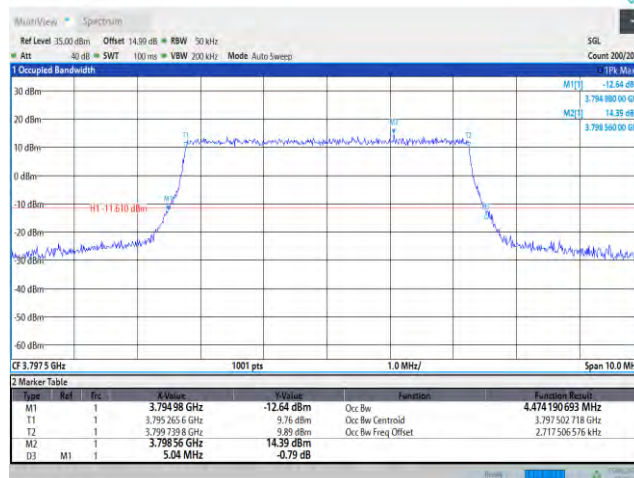
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Band43-5MHz-16QAM-45090-25RB#0



17:46:34 15.06.2023

Band43-5MHz-16QAM-45565-25RB#0



17:49:15 15.06.2023

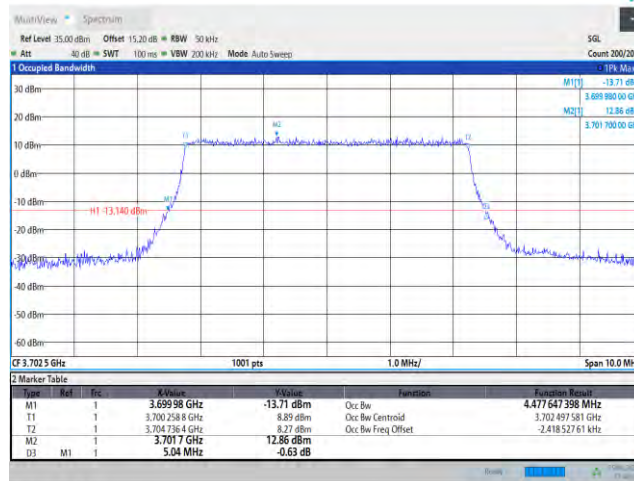


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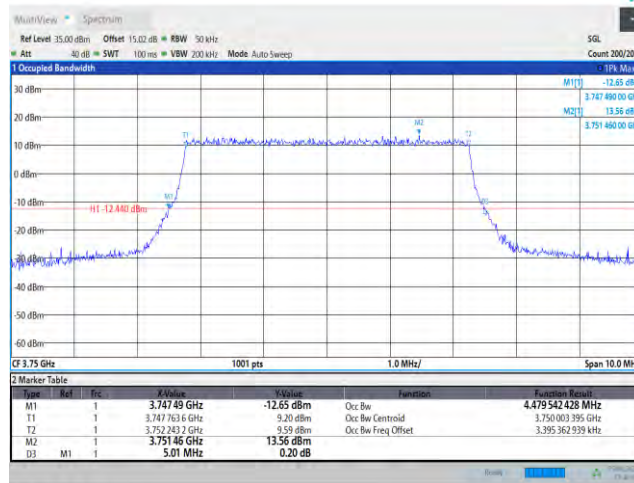
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Band43-5MHz-64QAM-44615-25RB#0



17:44:33 15.06.2023

Band43-5MHz-64QAM-45090-25RB#0



17:47:08 15.06.2023

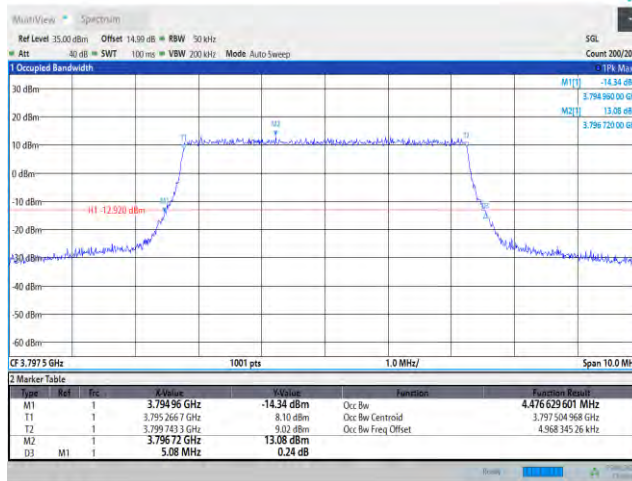


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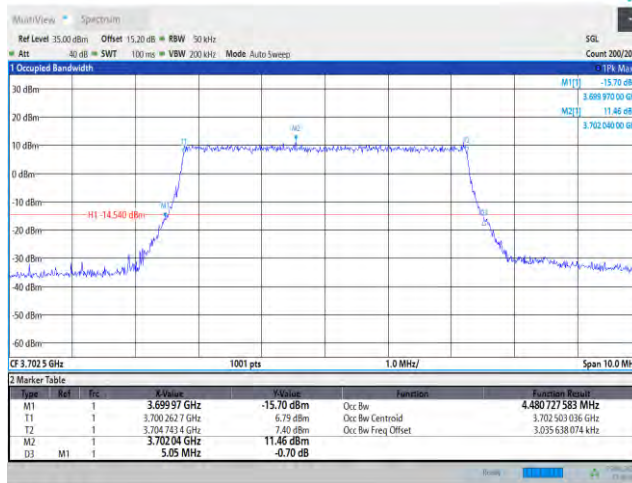
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Band43-5MHz-64QAM-45565-25RB#0



17:49:48 15.06.2023

Band43-5MHz-256QAM-44615-25RB#0



17:45:06 15.06.2023



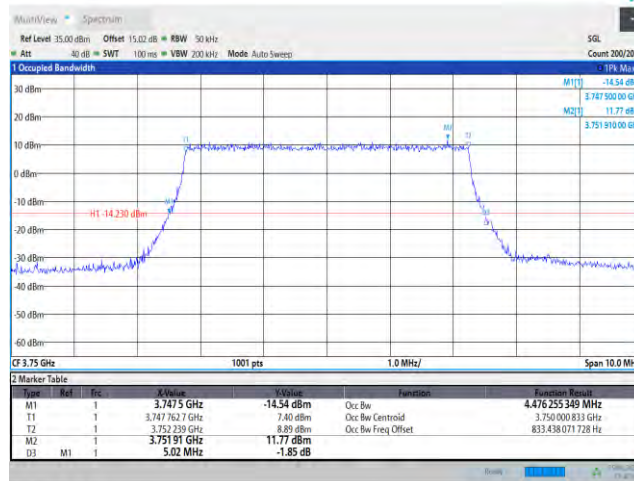
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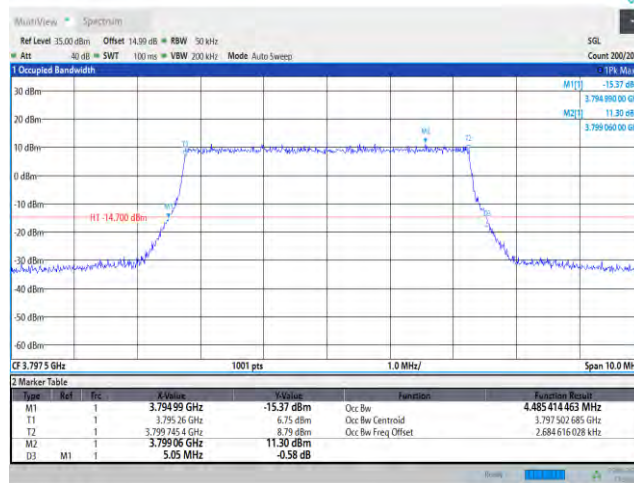


Band43-5MHz-256QAM-45090-25RB#0



17:47:41 15.06.2023

Band43-5MHz-256QAM-45665-25RB#0



17:50:22 15.06.2023

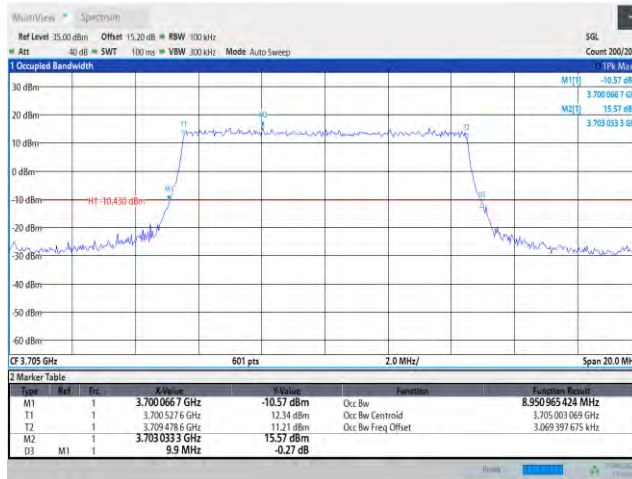


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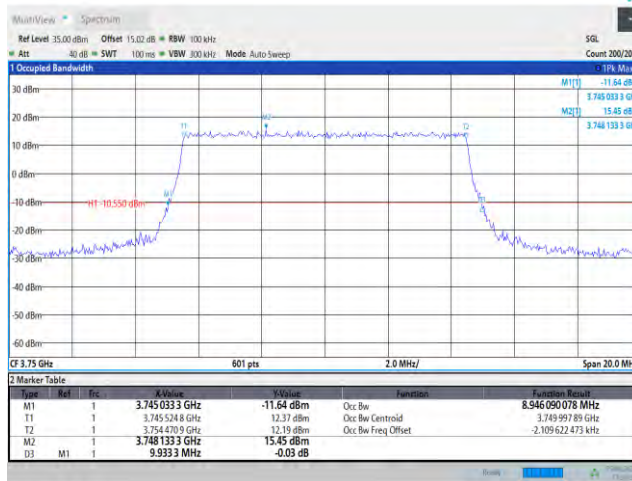
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Band43-10MHz-QPSK-44640-50RB#0



17:51:18 15.06.2023

Band43-10MHz-QPSK-45090-50RB#0



17:53:57 15.06.2023

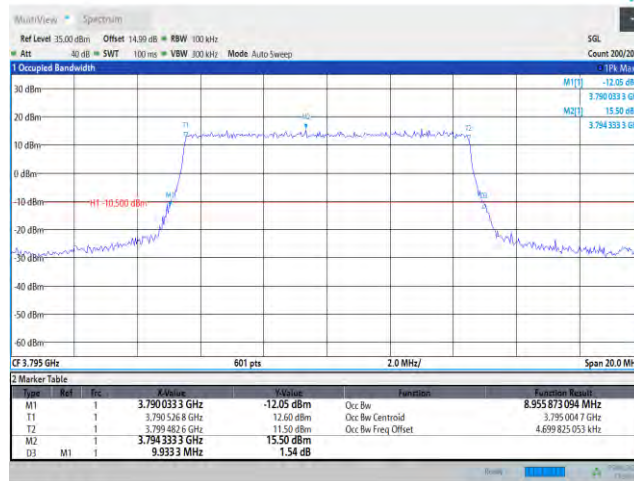


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Band43-10MHz-QPSK-45540-50RB#0



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Band43-10MHz-16QAM-44640-50RB#0



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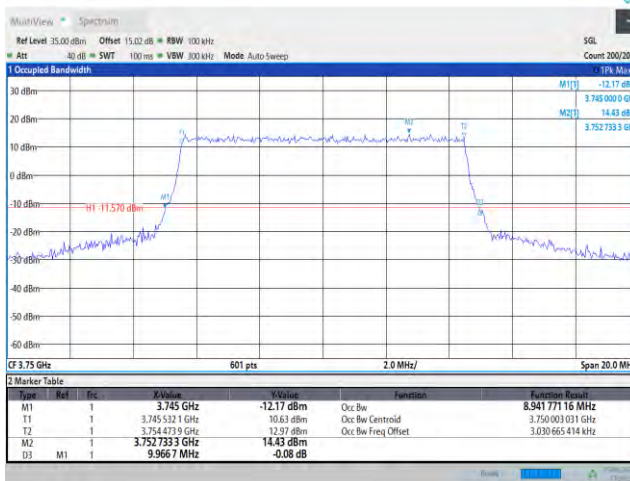


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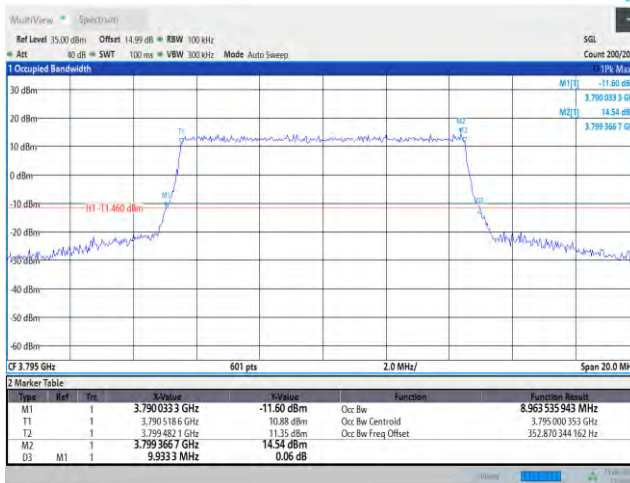
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Band43-10MHz-16QAM-45090-50RB#0



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Band43-10MHz-16QAM-45540-50RB#0



17:57:09 15.06.2023

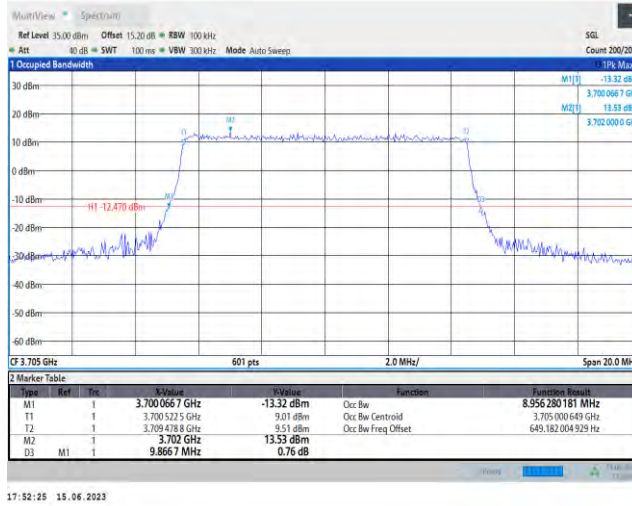


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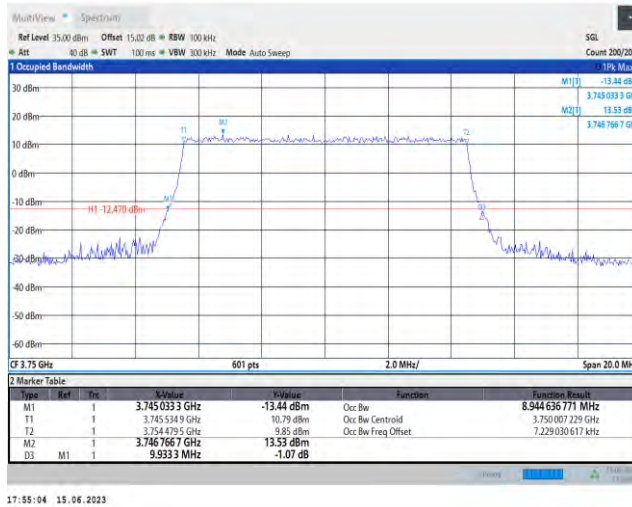
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Band43-10MHz-64QAM-44640-50RB#0



17:52:25 15.06.2023

Band43-10MHz-64QAM-45090-50RB#0



17:55:04 15.06.2023

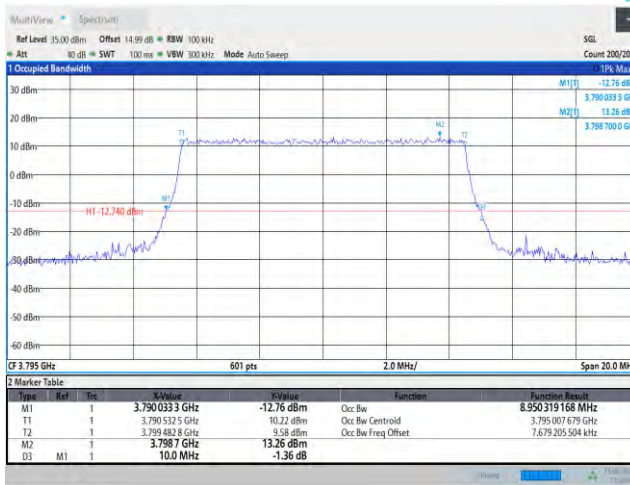


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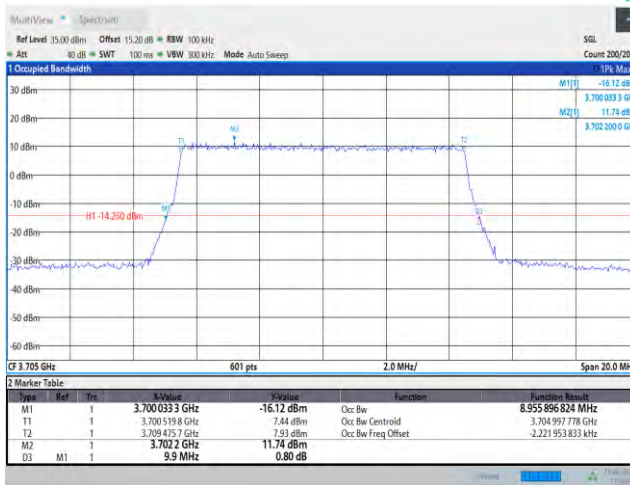
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Band43-10MHz-64QAM-45540-50RB#0



17:57:42 15.06.2023

Band43-10MHz-256QAM-44640-50RB#0



17:52:58 15.06.2023

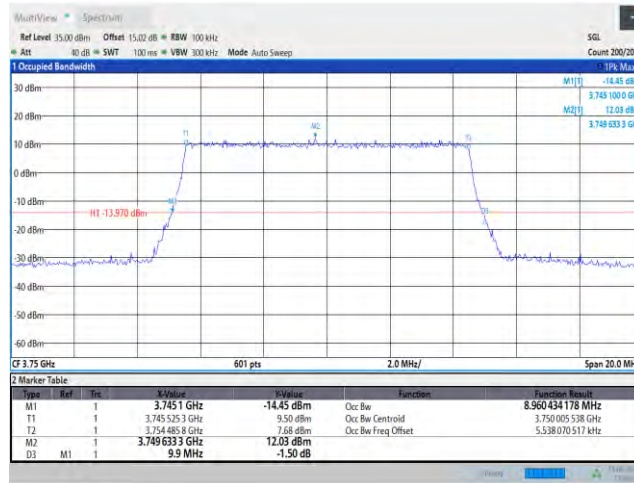


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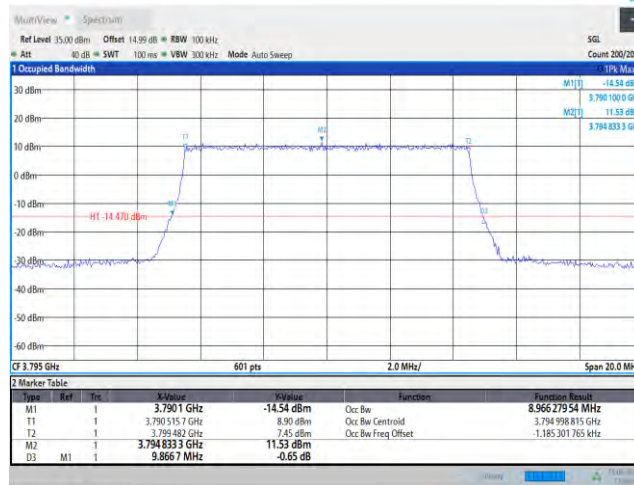
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Band43-10MHz-256QAM-45090-50RB#0



17:55:37 15.06.2023

Band43-10MHz-256QAM-45540-50RB#0



17:58:16 15.06.2023

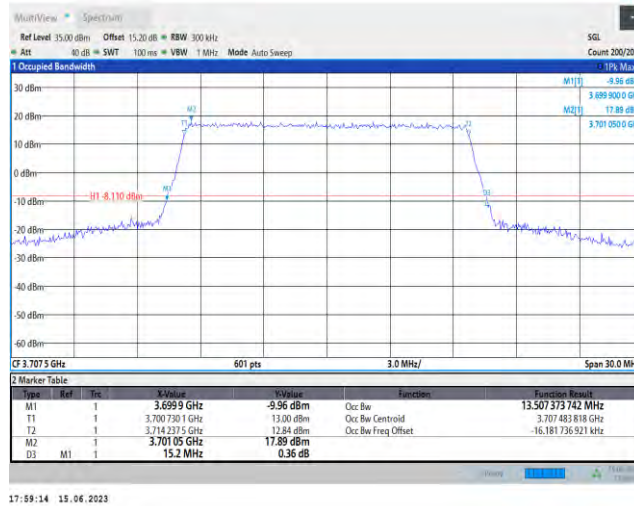


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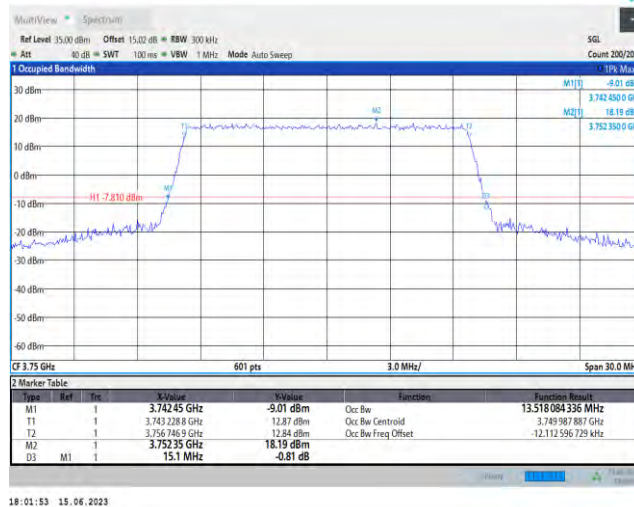
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Band43-15MHz-QPSK-44665-75RB#0



17:59:14 15.06.2023

Band43-15MHz-QPSK-45090-75RB#0



18:01:53 15.06.2023



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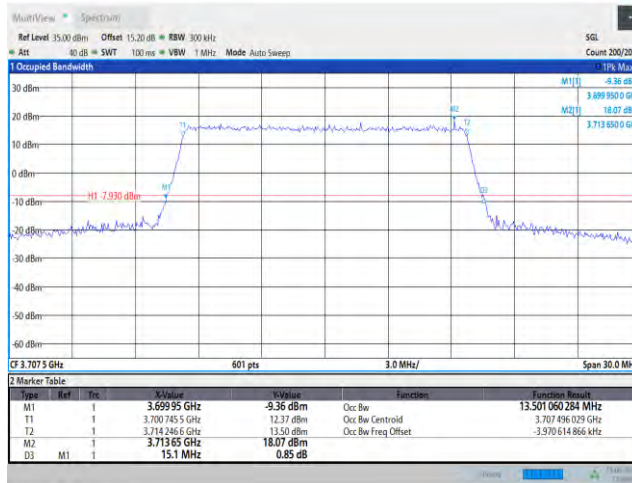


Band43-15MHz-QPSK-45515-75RB#0



18:04:29 15.06.2023

Band43-15MHz-16QAM-44665-75RB#0



17:59:48 15.06.2023



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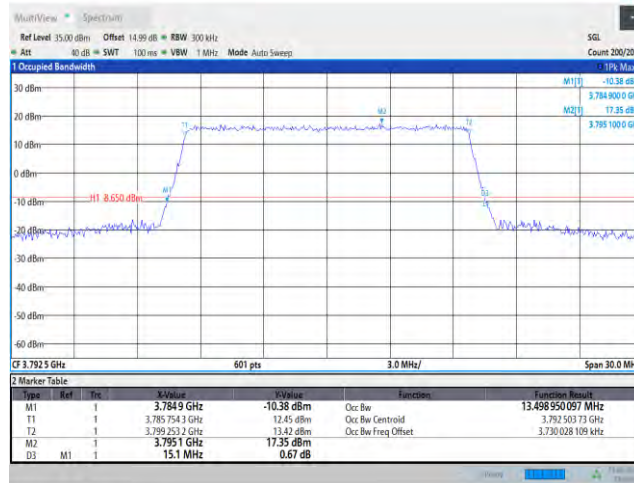
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Band43-15MHz-16QAM-45090-75RB#0



18:02:26 15.06.2023

Band43-15MHz-16QAM-45515-75RB#0



18:05:02 15.06.2023

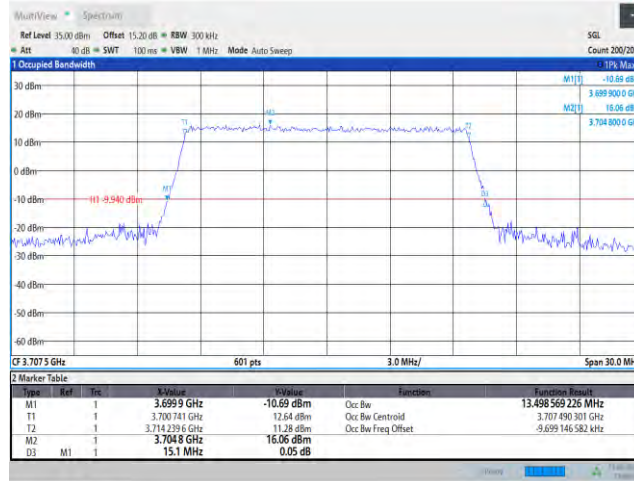


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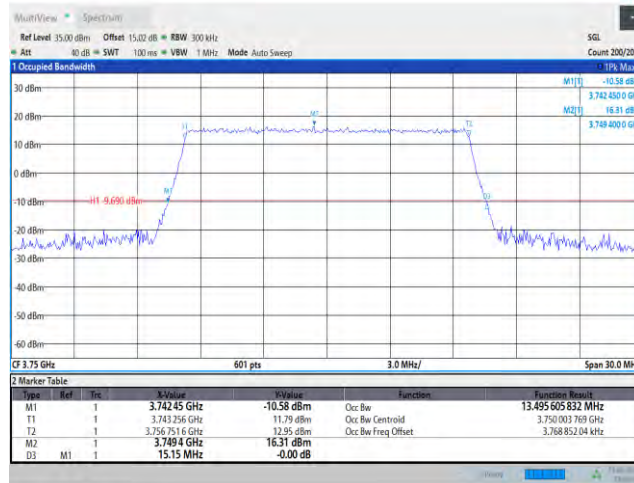
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Band43-15MHz-64QAM-44665-75RB#0



18:00:21 15.06.2023

Band43-15MHz-64QAM-45090-75RB#0



18:03:00 15.06.2023

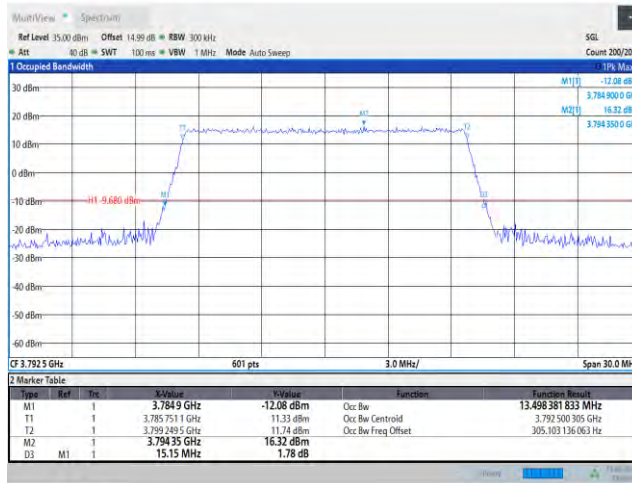


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Band43-15MHz-64QAM-45515-75RB#0



18:05:36 15.06.2023

Band43-15MHz-256QAM-44665-75RB#0



18:00:55 15.06.2023

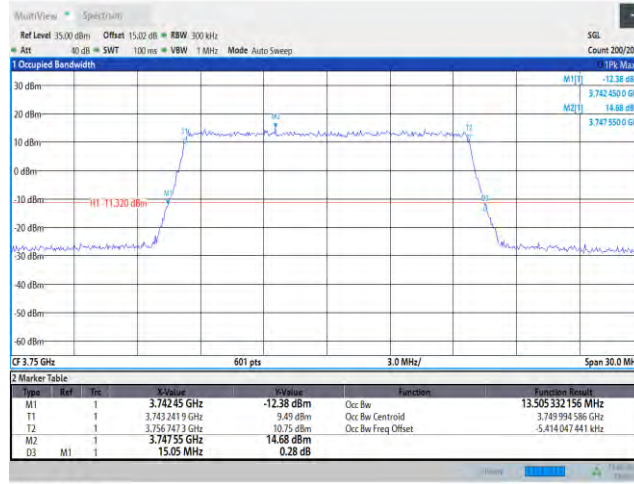


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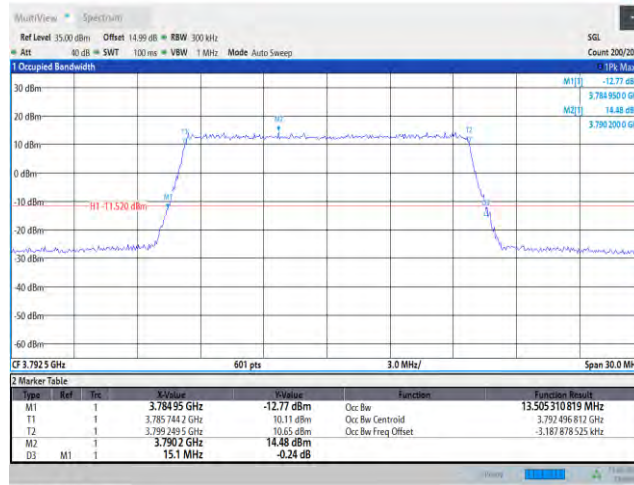
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Band43-15MHz-256QAM-45090-75RB#0



18:03:32 15.06.2023

Band43-15MHz-256QAM-45515-75RB#0



18:06:09 15.06.2023

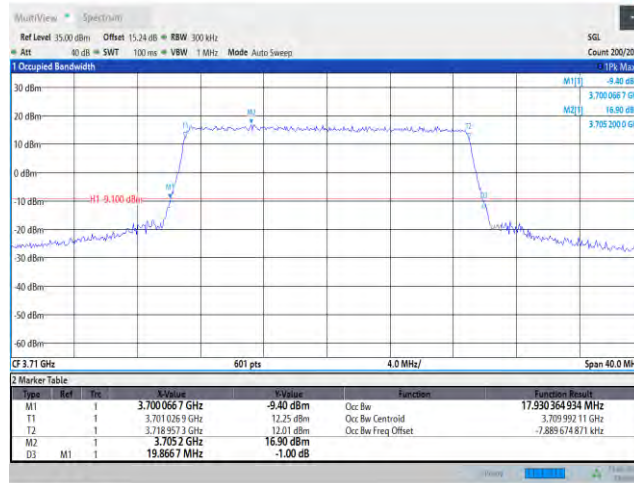


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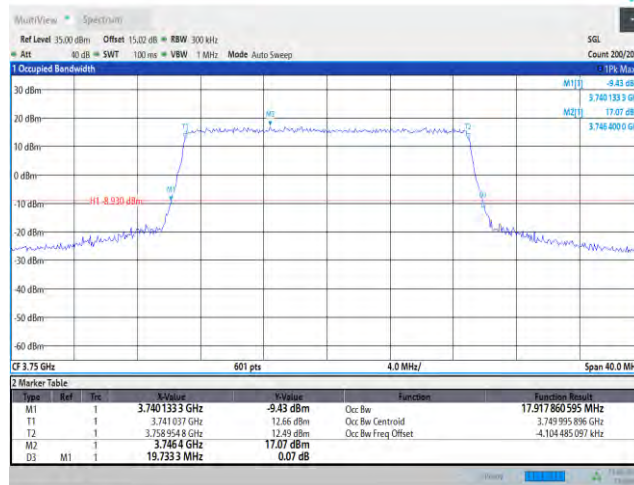
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Band43-20MHz-QPSK-44690-100RB#0



18:07:06 15.06.2023

Band43-20MHz-QPSK-45090-100RB#0



18:09:42 15.06.2023

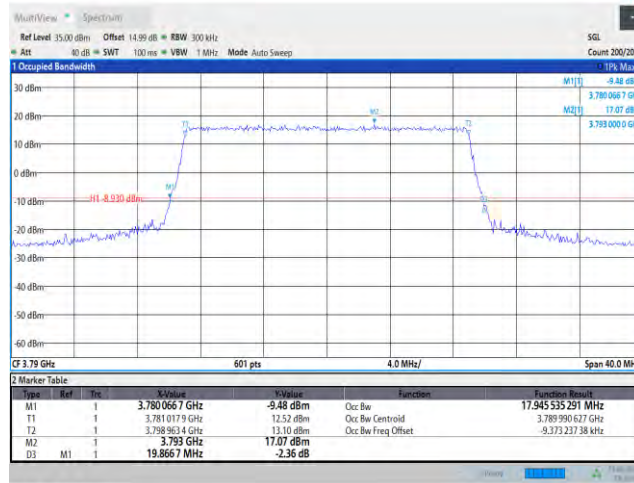


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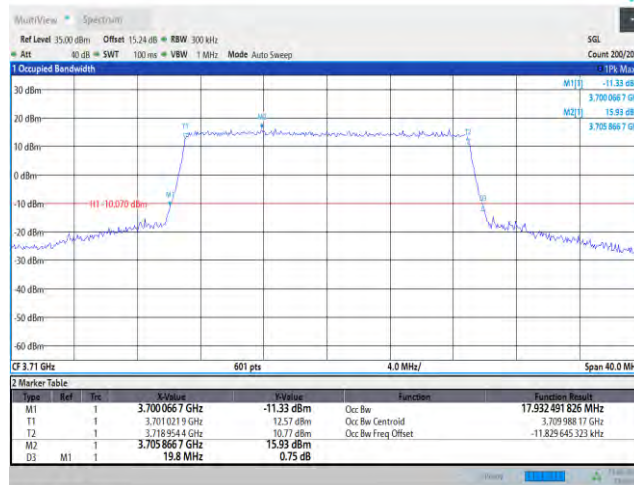
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Band43-20MHz-QPSK-45490-100RB#0



18:12:19 15.06.2023

Band43-20MHz-16QAM-44690-100RB#0



18:07:39 15.06.2023

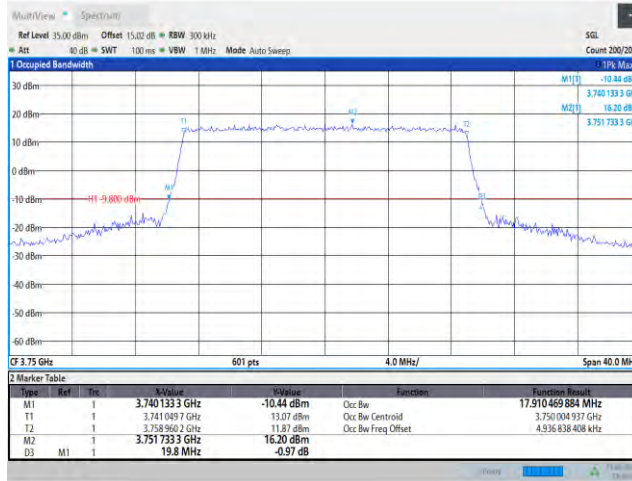


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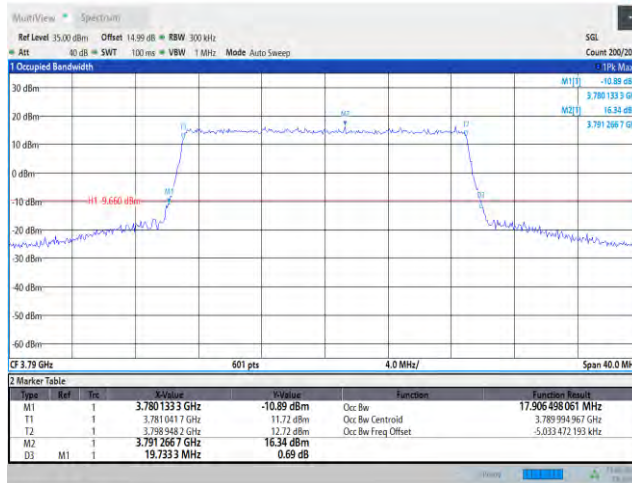
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Band43-20MHz-16QAM-45090-100RB#0



18:10:16 15.06.2023

Band43-20MHz-16QAM-45490-100RB#0



18:12:52 15.06.2023



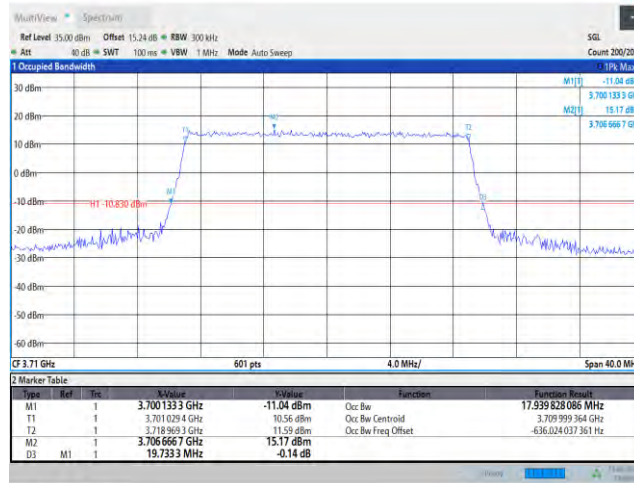
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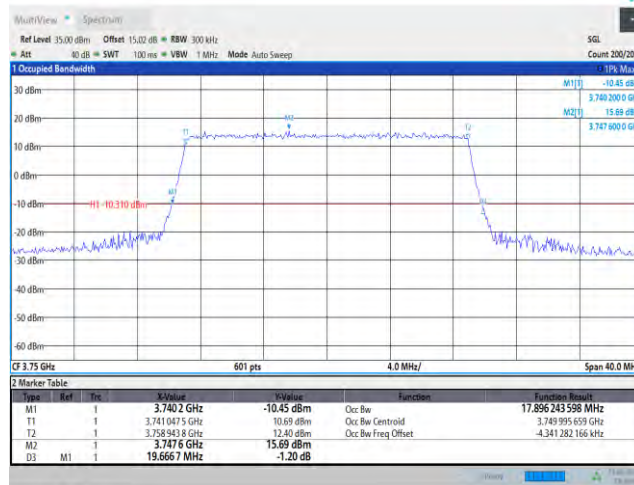


Band43-20MHz-64QAM-44690-100RB#0



18:09:13 15.06.2023

Band43-20MHz-64QAM-45090-100RB#0



18:10:49 15.06.2023

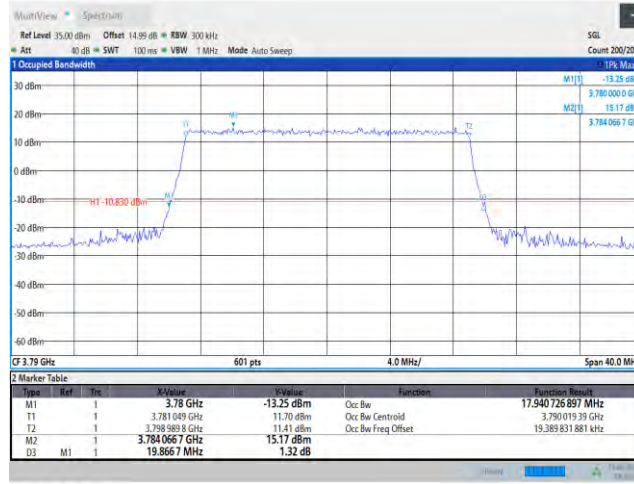


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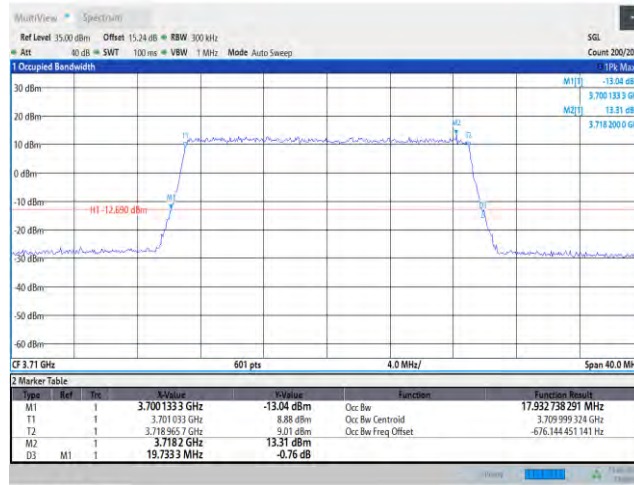
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Band43-20MHz-64QAM-45490-100RB#0



18:13:26 15.06.2023

Band43-20MHz-256QAM-44690-100RB#0



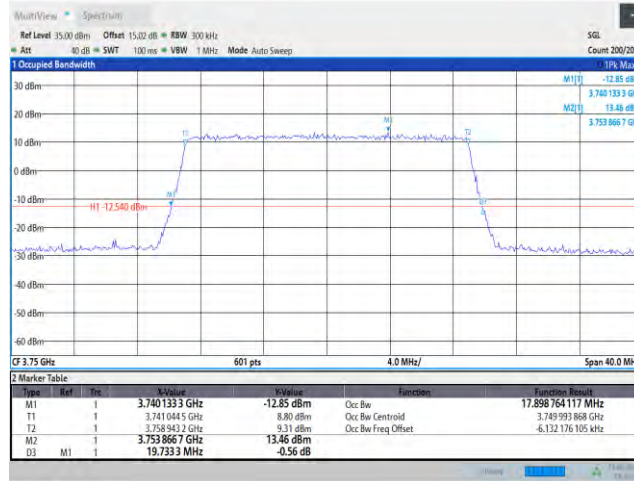
18:08:46 15.06.2023



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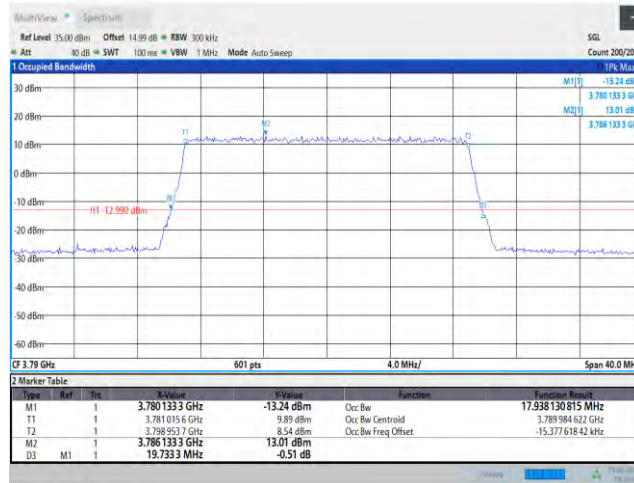
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Band43-20MHz-256QAM-45090-100RB#0



18:11:23 15.06.2023

Band43-20MHz-256QAM-45490-100RB#0



18:13:59 15.06.2023



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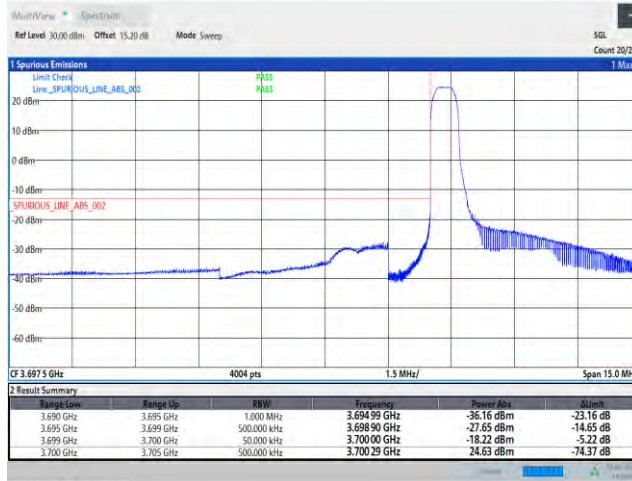
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## Band Edge

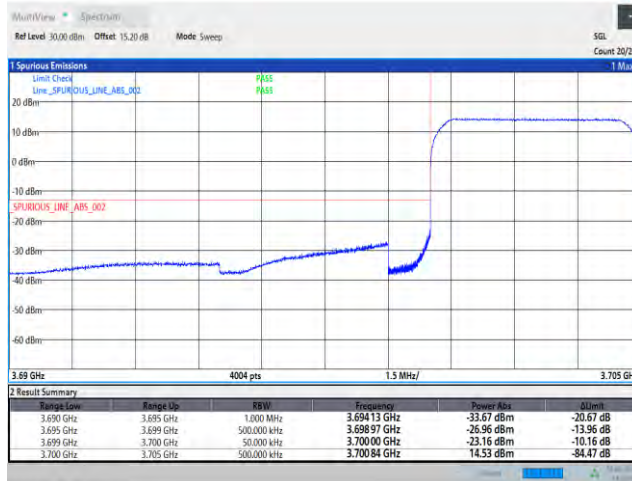
## Test Graphs

Band43-5MHz-QPSK-44615-1RB#0



14:54:53 16.06.2023

Band43-5MHz-QPSK-44615-25RB#0



14:55:49 16.06.2023

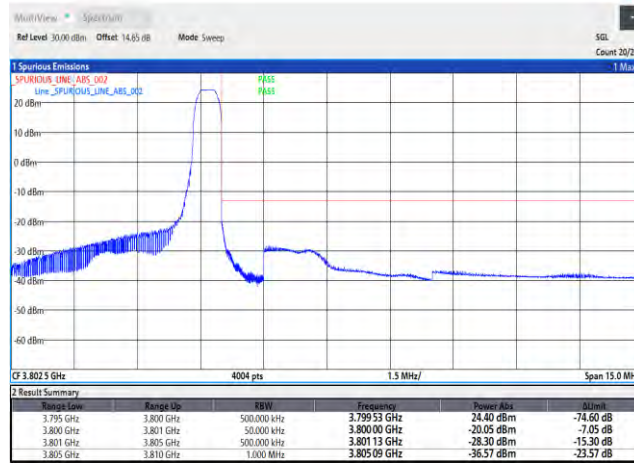


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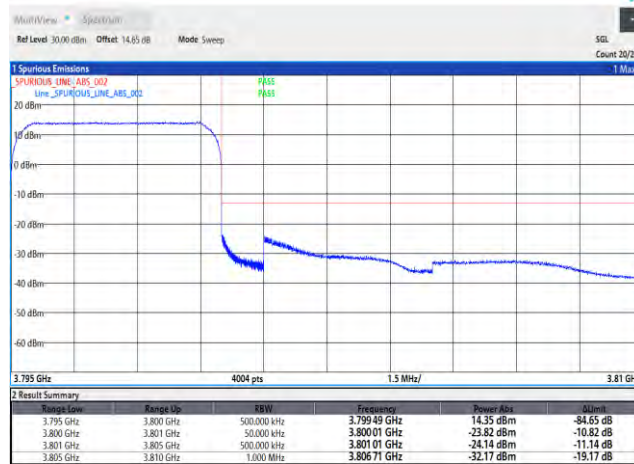
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Band43-5MHz-QPSK-45565-1RB#24



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Band43-5MHz-QPSK-45565-25RB#0



14:58:07 16.06.2023

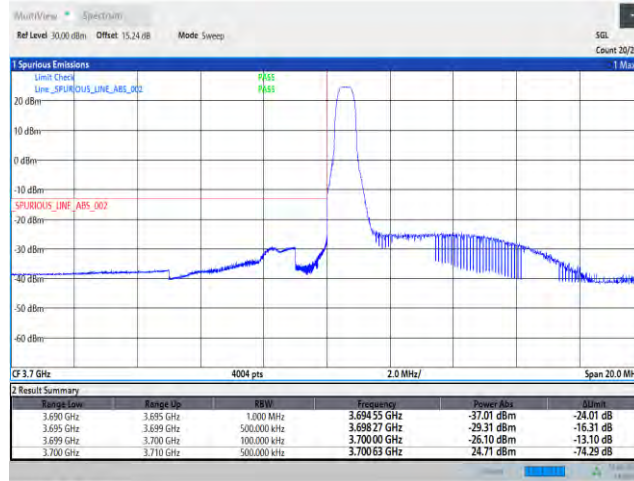


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Band43-10MHz-QPSK-44640-1RB#0



14:59:29 16.06.2023

Band43-10MHz-QPSK-44640-50RB#0



15:00:24 16.06.2023

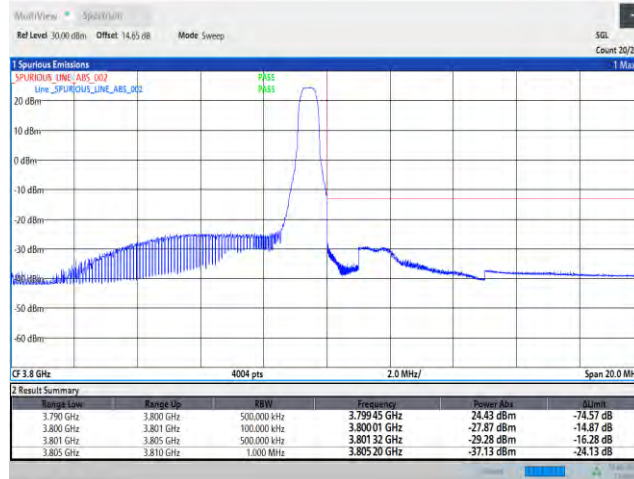


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Band43-10MHz-QPSK-45540-1RB#49



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Band43-10MHz-QPSK-45540-50RB#0



15:02:43 16.06.2023

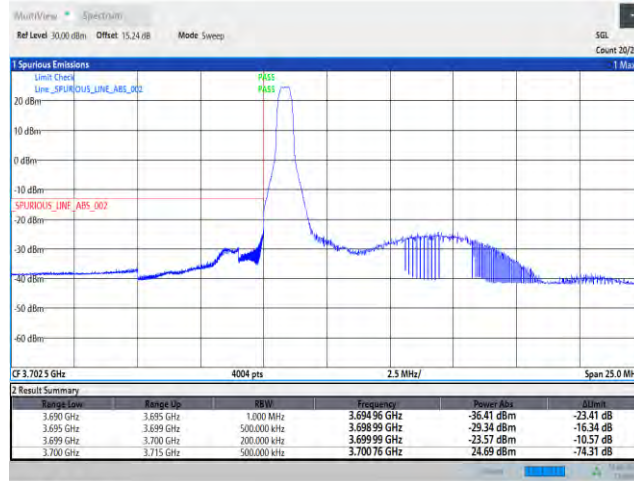


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Band43-15MHz-QPSK-44665-1RB#0



15:04:08 16.06.2023

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15:05:03 16.06.2023



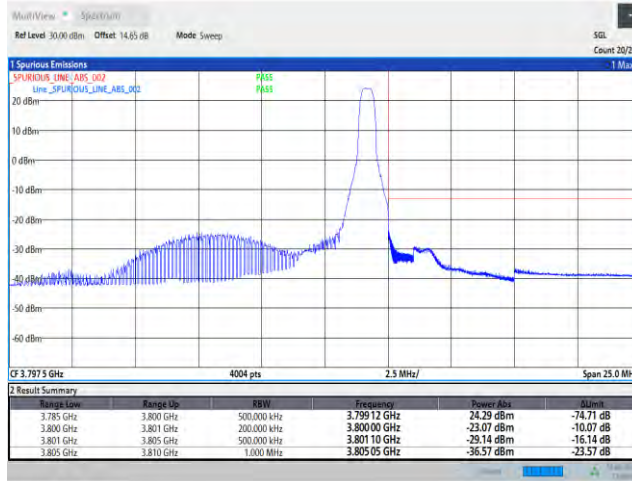
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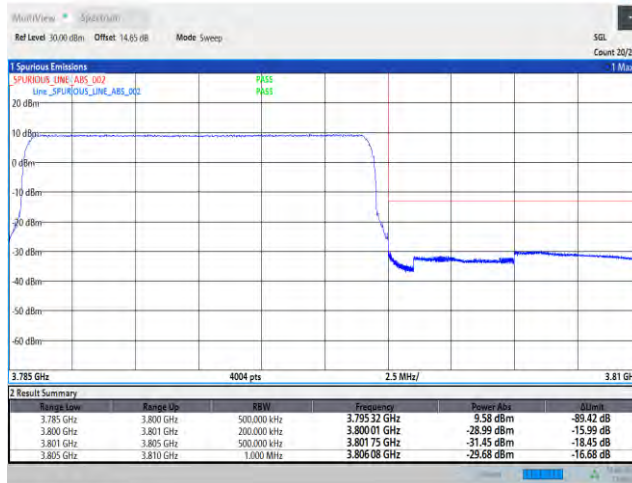


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15:06:27 16.06.2023

Band43-15MHz-QPSK-45515-75RB#0



15:07:21 16.06.2023

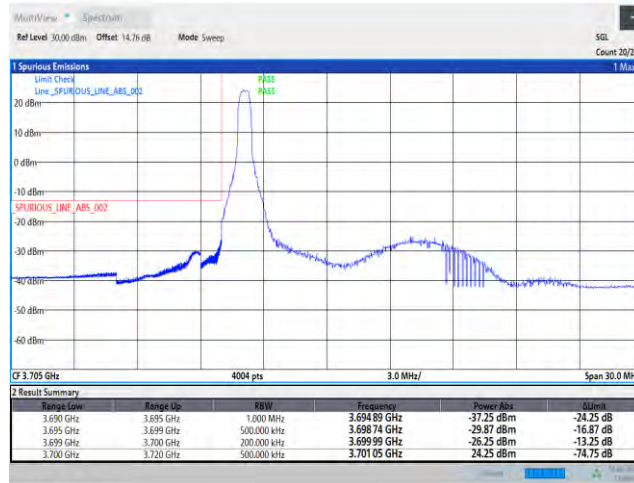


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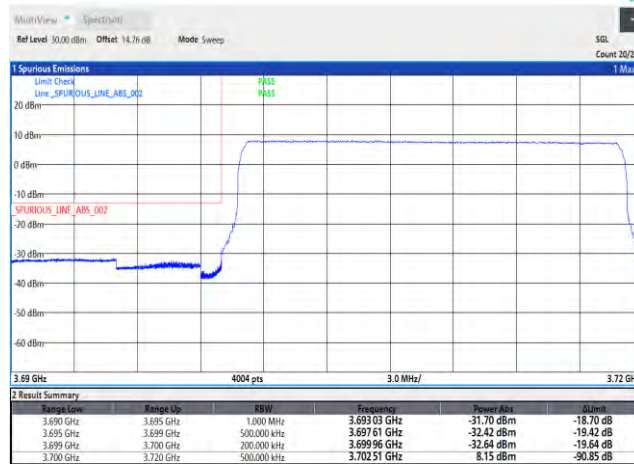
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Band43-20MHz-QPSK-44690-1RB#0



15:09:46 16.06.2023

Band43-20MHz-QPSK-44690-100RB#0



15:09:42 16.06.2023

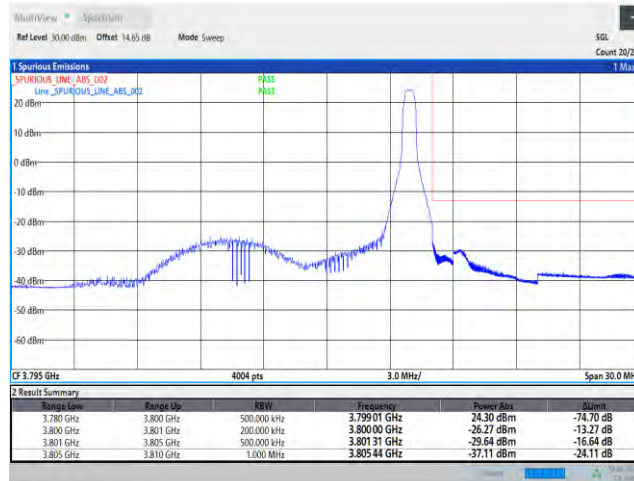


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Band43-20MHz-QPSK-45490-1RB#99



15:11:07 16.06.2023

Band43-20MHz-QPSK-45490-100RB#0



15:12:02 16.06.2023



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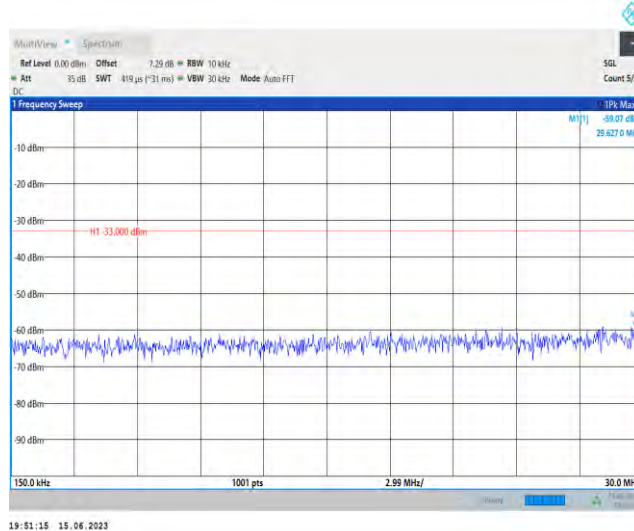
## Conducted Spurious Emission

### Test Graphs

Band43-20MHz-QPSK-44690-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-44690-1RB#0-Range2:0.15~30MHz

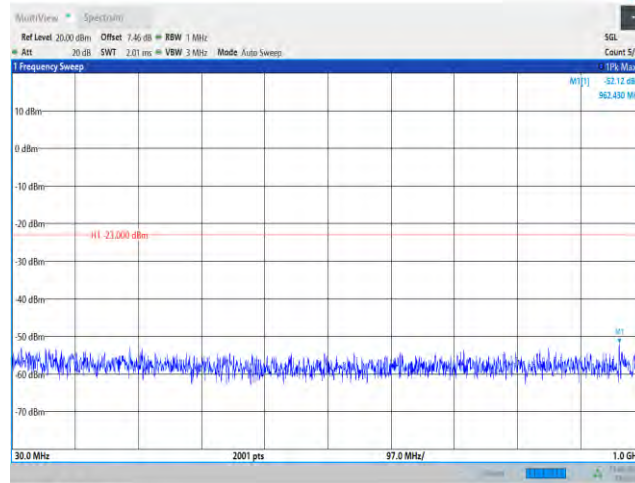


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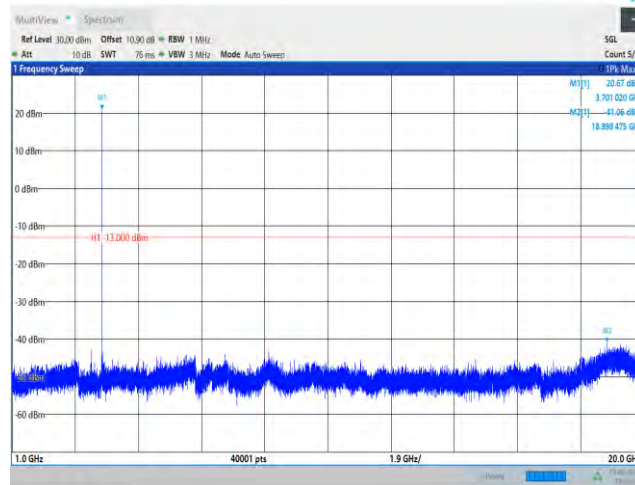
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Band43-20MHz-QPSK-44690-1RB#0-Range3:30~1000MHz



19:51:23 15.06.2023

Band43-20MHz-QPSK-44690-1RB#0-Range4:1000~20000MHz



19:51:31 15.06.2023



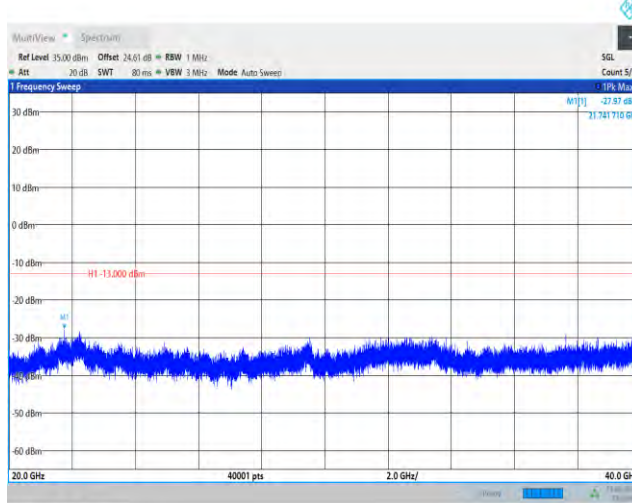
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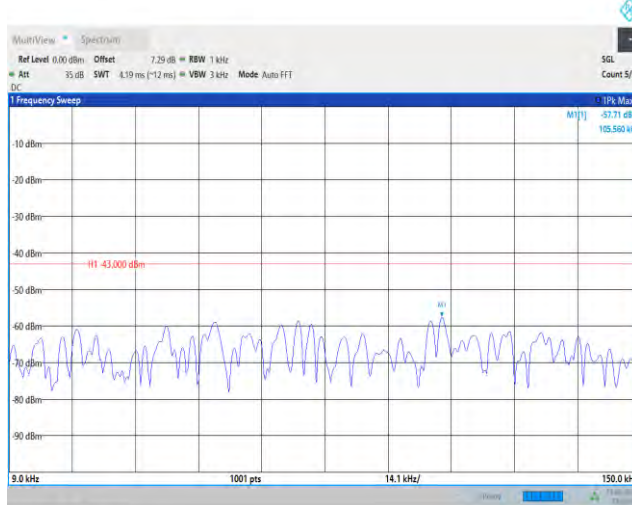
Member of the SGS Group (SGS SA)

Band43-20MHz-QPSK-44690-1RB#0-Range5:20000~40000MHz



19:51:40 15.06.2023

Band43-20MHz-QPSK-45090-1RB#0-Range1:0.009~0.15MHz



19:52:21 15.06.2023

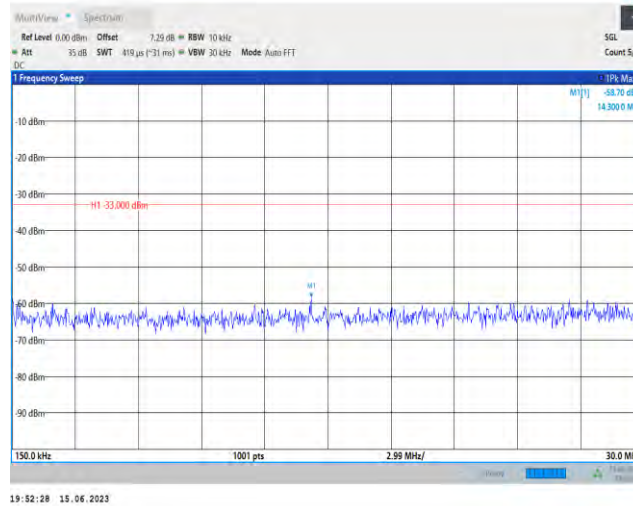


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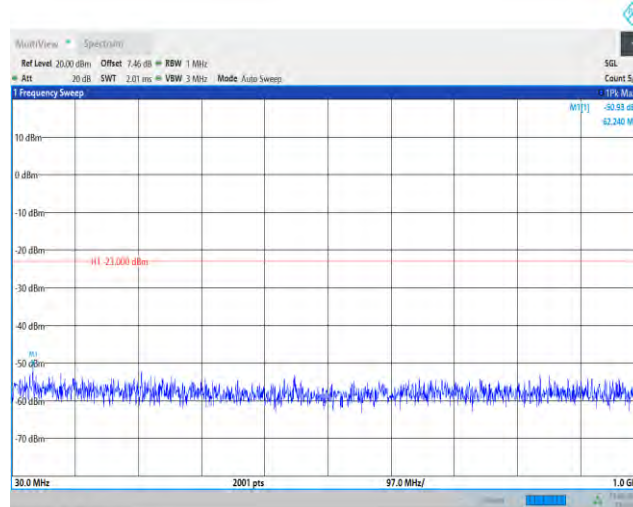
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Band43-20MHz-QPSK-45090-1RB#0-Range2:0.15~30MHz



19:52:28 15.06.2023

Band43-20MHz-QPSK-45090-1RB#0-Range3:30~1000MHz



19:52:36 15.06.2023

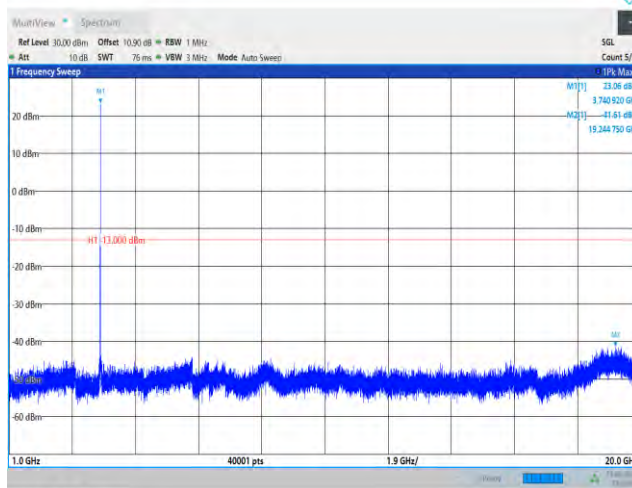


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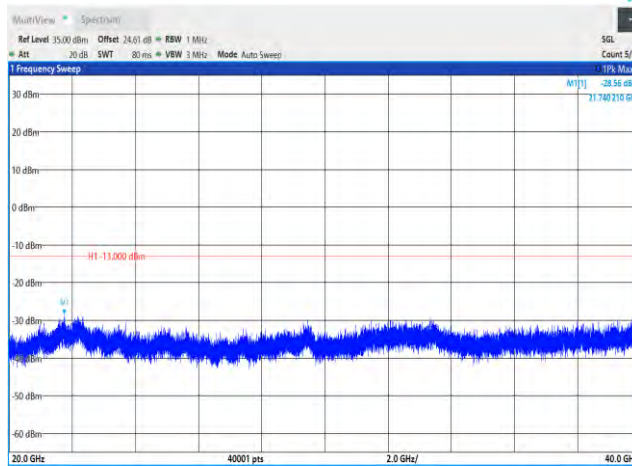
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Band43-20MHz-QPSK-45090-1RB#0-Range4:1000~20000MHz



19:52:44 15.06.2023

Band43-20MHz-QPSK-45090-1RB#0-Range5:20000~40000MHz



19:52:54 15.06.2023



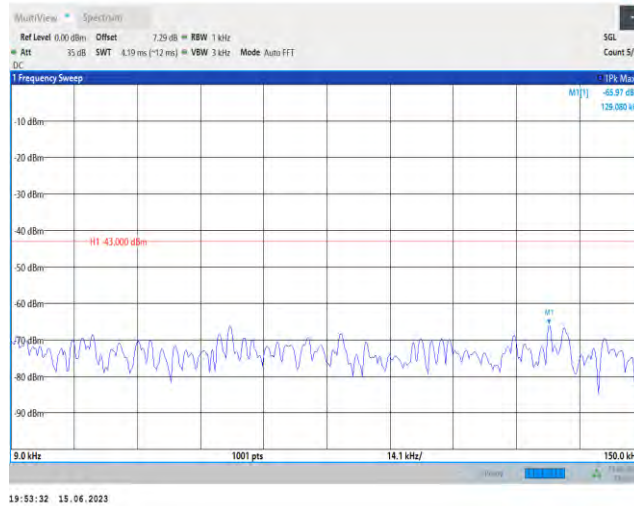
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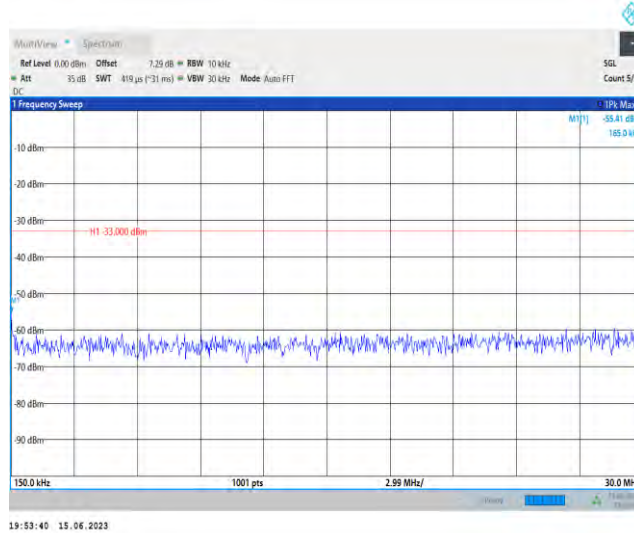
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Band43-20MHz-QPSK-45490-1RB#0-Range1:0.009~0.15MHz



Band43-20MHz-QPSK-45490-1RB#0-Range2:0.15~30MHz

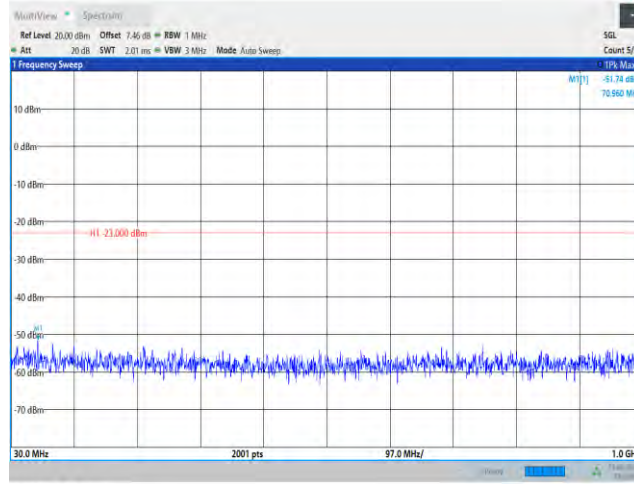


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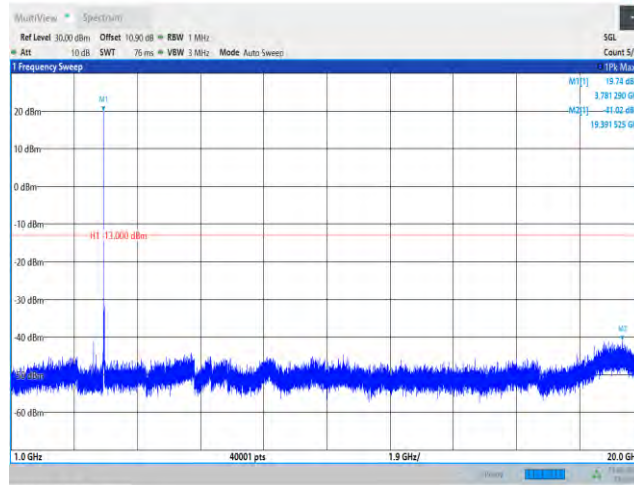
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Band43-20MHz-QPSK-45490-1RB#0-Range3:30~1000MHz



19:53:48 15.06.2023

Band43-20MHz-QPSK-45490-1RB#0-Range4:1000~20000MHz



19:53:57 15.06.2023

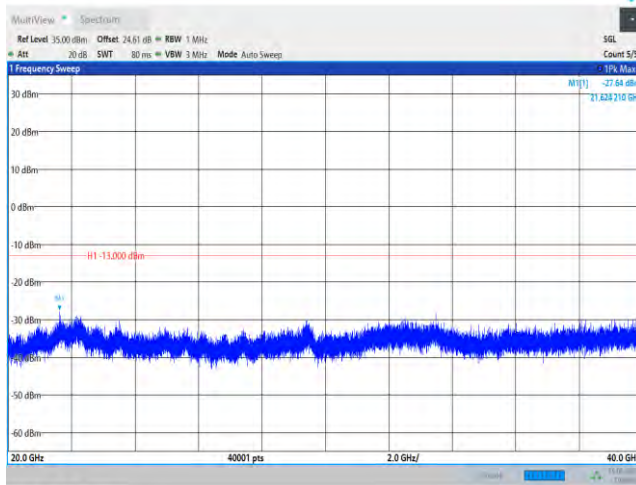


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Band43-20MHz-QPSK-45490-1RB#0-Range5:20000~40000MHz



19:54:06 15.06.2023



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### Field Strength of Spurious Radiation(Worse)

Test Band = LTE Band43\_ TM1\_20MHz

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	8080.1	39.85	-41.50	36.76	-60.15	-13.00	47.15	125	209	Horizontal
2	8805.75	39.92	-41.13	36.40	-60.07	-13.00	47.07	188	357	Horizontal
3	9308.875	38.67	-40.06	36.89	-59.76	-13.00	46.76	175	360	Horizontal
4	9848.225	39.07	-39.13	37.91	-57.41	-13.00	44.41	159	150	Horizontal
5	11082.75	35.38	-37.72	38.71	-58.89	-13.00	45.89	126	118	Horizontal
6	14673.05	32.55	-34.92	41.17	-56.46	-13.00	43.46	236	3	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	8273.875	40.65	-41.94	36.66	-59.89	-13.00	46.89	117	330	Vertical
2	9205.375	38.37	-39.96	36.69	-60.16	-13.00	47.16	154	209	Vertical
3	10110.425	36.37	-38.76	38.26	-59.40	-13.00	46.40	122	7	Vertical
4	10987.3	35.34	-37.62	38.69	-58.84	-13.00	45.84	259	150	Vertical
5	12428.825	35.19	-36.98	38.93	-58.12	-13.00	45.12	196	0	Vertical
6	15188.25	33.06	-33.84	40.90	-55.14	-13.00	42.14	253	270	Vertical



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**Test Band = LTE Band43\_ TM1\_20MHz**

**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	8147.375	39.64	-41.72	36.73	-60.62	-13.00	47.62	211	4	Horizontal
2	8921.325	38.66	-40.90	36.34	-61.16	-13.00	48.16	156	271	Horizontal
3	10366.875	36.45	-38.80	38.38	-59.23	-13.00	46.23	256	75	Horizontal
4	11138.525	35.07	-37.31	38.71	-58.78	-13.00	45.78	148	345	Horizontal
5	12155.7	34.76	-37.15	38.85	-58.80	-13.00	45.80	172	75	Horizontal
6	14248.125	34.00	-35.57	41.00	-55.84	-13.00	42.84	183	16	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	8095.05	39.08	-41.38	36.75	-60.81	-13.00	47.81	187	300	Vertical
2	9265.75	38.45	-40.03	36.80	-60.03	-13.00	47.03	142	165	Vertical
3	9943.1	36.61	-39.28	38.09	-59.84	-13.00	46.84	159	134	Vertical
4	11227.65	35.62	-36.77	38.72	-57.69	-13.00	44.69	186	151	Vertical
5	12532.9	34.85	-37.03	38.96	-58.48	-13.00	45.48	256	151	Vertical
6	14035.95	33.43	-35.24	40.91	-56.15	-13.00	43.15	231	315	Vertical



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**Test Band = LTE Band43\_ TM1\_20MHz**

**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	8090.45	39.13	-41.42	36.75	-60.79	-13.00	47.79	126	3	Horizontal
2	8897.75	38.87	-40.92	36.35	-60.95	-13.00	47.95	259	299	Horizontal
3	9318.075	38.50	-40.04	36.90	-59.90	-13.00	46.90	148	149	Horizontal
4	9861.45	37.25	-39.15	37.94	-59.22	-13.00	46.22	175	284	Horizontal
5	11839.45	34.12	-37.26	38.78	-59.62	-13.00	46.62	169	359	Horizontal
6	14049.175	33.22	-35.40	40.92	-56.52	-13.00	43.52	258	270	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	8093.9	38.99	-41.39	36.75	-60.91	-13.00	47.91	245	356	Vertical
2	8919.025	38.97	-40.90	36.34	-60.85	-13.00	47.85	139	356	Vertical
3	10029.925	36.98	-39.18	38.21	-59.24	-13.00	46.24	259	286	Vertical
4	11158.65	35.73	-37.08	38.72	-57.89	-13.00	44.89	144	183	Vertical
5	12672.625	34.73	-36.93	39.00	-58.46	-13.00	45.46	172	240	Vertical
6	15106.6	33.19	-34.43	41.08	-55.43	-13.00	42.43	180	200	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号厂房南楼 邮编: 215000

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

## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	VL	NT	38.30	0.010213	PASS
Band43	20MHz	QPSK	45090	100RB#0	VN	NT	41.70	0.011120	PASS
Band43	20MHz	QPSK	45090	100RB#0	VH	NT	39.10	0.010427	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band43	20MHz	QPSK	45090	100RB#0	NV	-30	37.90	0.010107	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	-20	41.70	0.011120	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	-10	41.40	0.011040	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	0	41.20	0.010987	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	10	41.00	0.010933	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	20	43.80	0.011680	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	30	39.50	0.010533	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	40	41.10	0.010960	PASS
Band43	20MHz	QPSK	45090	100RB#0	NV	50	41.20	0.010987	PASS

---End of Attachment---



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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 t (86-512) 62992980 www.sgs.com.cn  
 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号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com