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Rev.: 01  
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# Appendix B.2

## LTE Band 4



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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号厂房南楼 邮编: 215000 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
Band4	1.4MHz	QPSK	19957	1RB#0	22.5	22.8	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.56	22.86	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.56	22.86	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.53	21.83	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.36	22.66	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.56	22.86	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.52	22.82	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.54	21.84	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.12	22.42	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.57	22.87	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.54	22.84	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.56	21.86	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.67	21.97	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.75	22.05	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.65	21.95	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.69	20.99	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.66	21.96	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.71	22.01	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	21.64	21.94	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.74	21.04	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.66	21.96	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.75	22.05	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.66	21.96	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.74	21.04	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	20.9	21.2	30	PASS
Band4	1.4MHz	64QAM	19957	1RB#2	20.92	21.22	30	PASS



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Wireless Laboratories

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



Band4	1.4MHz	64QAM	19957	1RB#5	20.92	21.22	30	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	19.69	19.99	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.87	21.17	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.91	21.21	30	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.88	21.18	30	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	19.66	19.96	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.9	21.2	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.81	21.11	30	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.9	21.2	30	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	19.77	20.07	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#0	17.72	18.02	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#2	17.79	18.09	30	PASS
Band4	1.4MHz	256QAM	19957	1RB#5	17.78	18.08	30	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	17.64	17.94	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#0	17.68	17.98	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#2	17.82	18.12	30	PASS
Band4	1.4MHz	256QAM	20175	1RB#5	17.76	18.06	30	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	17.6	17.9	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#0	17.77	18.07	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#2	17.79	18.09	30	PASS
Band4	1.4MHz	256QAM	20393	1RB#5	17.78	18.08	30	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	17.63	17.93	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.54	22.84	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.55	22.85	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.54	22.84	30	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.6	21.9	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.52	22.82	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.55	22.85	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.54	22.84	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.51	21.81	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.12	22.42	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.55	22.85	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.55	22.85	30	PASS



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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号厂房南楼 邮编: 215000

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

Band4	3MHz	QPSK	20385	15RB#0	21.56	21.86	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.69	21.99	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.71	22.01	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	21.69	21.99	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.75	21.05	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.72	22.02	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.74	22.04	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.68	21.98	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.67	20.97	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.63	21.93	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.75	22.05	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.7	22	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.71	21.01	30	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.89	21.19	30	PASS
Band4	3MHz	64QAM	19965	1RB#8	20.9	21.2	30	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.95	21.25	30	PASS
Band4	3MHz	64QAM	19965	15RB#0	19.74	20.04	30	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.9	21.2	30	PASS
Band4	3MHz	64QAM	20175	1RB#8	20.88	21.18	30	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.88	21.18	30	PASS
Band4	3MHz	64QAM	20175	15RB#0	19.75	20.05	30	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.9	21.2	30	PASS
Band4	3MHz	64QAM	20385	1RB#8	20.9	21.2	30	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.91	21.21	30	PASS
Band4	3MHz	64QAM	20385	15RB#0	19.76	20.06	30	PASS
Band4	3MHz	256QAM	19965	1RB#0	17.77	18.07	30	PASS
Band4	3MHz	256QAM	19965	1RB#8	17.71	18.01	30	PASS
Band4	3MHz	256QAM	19965	1RB#14	17.74	18.04	30	PASS
Band4	3MHz	256QAM	19965	15RB#0	17.69	17.99	30	PASS
Band4	3MHz	256QAM	20175	1RB#0	17.82	18.12	30	PASS
Band4	3MHz	256QAM	20175	1RB#8	17.73	18.03	30	PASS
Band4	3MHz	256QAM	20175	1RB#14	17.76	18.06	30	PASS
Band4	3MHz	256QAM	20175	15RB#0	17.63	17.93	30	PASS



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



Band4	3MHz	256QAM	20385	1RB#0	17.72	18.02	30	PASS
Band4	3MHz	256QAM	20385	1RB#8	17.77	18.07	30	PASS
Band4	3MHz	256QAM	20385	1RB#14	17.76	18.06	30	PASS
Band4	3MHz	256QAM	20385	15RB#0	17.68	17.98	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.55	22.85	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.63	22.93	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.61	22.91	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.55	21.85	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	21.63	21.93	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.62	22.92	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.59	22.89	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.51	21.81	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.63	21.93	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.61	22.91	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	22.61	22.91	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.57	21.87	30	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.65	21.95	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.72	22.02	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.7	22	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.76	21.06	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.63	21.93	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.7	22	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.67	21.97	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.74	21.04	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.66	21.96	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.71	22.01	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.69	21.99	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.76	21.06	30	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.97	21.27	30	PASS
Band4	5MHz	64QAM	19975	1RB#12	20.96	21.26	30	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.94	21.24	30	PASS
Band4	5MHz	64QAM	19975	25RB#0	19.73	20.03	30	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.86	21.16	30	PASS



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Band4	5MHz	64QAM	20175	1RB#12	20.93	21.23	30	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.9	21.2	30	PASS
Band4	5MHz	64QAM	20175	25RB#0	19.69	19.99	30	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.89	21.19	30	PASS
Band4	5MHz	64QAM	20375	1RB#12	20.96	21.26	30	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.98	21.28	30	PASS
Band4	5MHz	64QAM	20375	25RB#0	19.74	20.04	30	PASS
Band4	5MHz	256QAM	19975	1RB#0	17.81	18.11	30	PASS
Band4	5MHz	256QAM	19975	1RB#12	17.79	18.09	30	PASS
Band4	5MHz	256QAM	19975	1RB#24	17.81	18.11	30	PASS
Band4	5MHz	256QAM	19975	25RB#0	17.65	17.95	30	PASS
Band4	5MHz	256QAM	20175	1RB#0	17.71	18.01	30	PASS
Band4	5MHz	256QAM	20175	1RB#12	17.76	18.06	30	PASS
Band4	5MHz	256QAM	20175	1RB#24	17.75	18.05	30	PASS
Band4	5MHz	256QAM	20175	25RB#0	17.66	17.96	30	PASS
Band4	5MHz	256QAM	20375	1RB#0	17.76	18.06	30	PASS
Band4	5MHz	256QAM	20375	1RB#12	17.77	18.07	30	PASS
Band4	5MHz	256QAM	20375	1RB#24	17.83	18.13	30	PASS
Band4	5MHz	256QAM	20375	25RB#0	17.69	17.99	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.52	22.82	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.61	22.91	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.58	22.88	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.59	21.89	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.5	22.8	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.6	22.9	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	22.57	22.87	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.54	21.84	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.6	22.9	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.59	22.89	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.57	22.87	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.64	21.94	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.64	21.94	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.78	22.08	30	PASS



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



Band4	10MHz	16QAM	20000	1RB#49	21.74	22.04	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.72	21.02	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.57	21.87	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.78	22.08	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.68	21.98	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.69	20.99	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.63	21.93	30	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.74	22.04	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.72	22.02	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.77	21.07	30	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.9	21.2	30	PASS
Band4	10MHz	64QAM	20000	1RB#24	20.95	21.25	30	PASS
Band4	10MHz	64QAM	20000	1RB#49	21.02	21.32	30	PASS
Band4	10MHz	64QAM	20000	50RB#0	19.71	20.01	30	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.78	21.08	30	PASS
Band4	10MHz	64QAM	20175	1RB#24	20.97	21.27	30	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.95	21.25	30	PASS
Band4	10MHz	64QAM	20175	50RB#0	19.67	19.97	30	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.85	21.15	30	PASS
Band4	10MHz	64QAM	20350	1RB#24	20.93	21.23	30	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.92	21.22	30	PASS
Band4	10MHz	64QAM	20350	50RB#0	19.7	20	30	PASS
Band4	10MHz	256QAM	20000	1RB#0	17.76	18.06	30	PASS
Band4	10MHz	256QAM	20000	1RB#24	17.78	18.08	30	PASS
Band4	10MHz	256QAM	20000	1RB#49	17.79	18.09	30	PASS
Band4	10MHz	256QAM	20000	50RB#0	17.66	17.96	30	PASS
Band4	10MHz	256QAM	20175	1RB#0	17.65	17.95	30	PASS
Band4	10MHz	256QAM	20175	1RB#24	17.85	18.15	30	PASS
Band4	10MHz	256QAM	20175	1RB#49	17.79	18.09	30	PASS
Band4	10MHz	256QAM	20175	50RB#0	17.6	17.9	30	PASS
Band4	10MHz	256QAM	20350	1RB#0	17.71	18.01	30	PASS
Band4	10MHz	256QAM	20350	1RB#24	17.78	18.08	30	PASS
Band4	10MHz	256QAM	20350	1RB#49	17.75	18.05	30	PASS



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Wireless Laboratory

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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号厂房南楼 邮编: 215000

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Band4	10MHz	256QAM	20350	50RB#0	17.7	18	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.39	22.69	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.53	22.83	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	22.48	22.78	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.53	21.83	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.49	22.79	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.54	22.84	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.49	22.79	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.53	21.83	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	21.56	21.86	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.57	22.87	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.54	22.84	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.59	21.89	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.56	21.86	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.69	21.99	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.58	21.88	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.68	20.98	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.45	21.75	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.71	22.01	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.67	21.97	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.69	20.99	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.54	21.84	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.76	22.06	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.71	22.01	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.78	21.08	30	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.81	21.11	30	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.97	21.27	30	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.83	21.13	30	PASS
Band4	15MHz	64QAM	20025	75RB#0	19.7	20	30	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.67	20.97	30	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.9	21.2	30	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.86	21.16	30	PASS
Band4	15MHz	64QAM	20175	75RB#0	19.65	19.95	30	PASS



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Band4	15MHz	64QAM	20325	1RB#0	20.78	21.08	30	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.94	21.24	30	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.91	21.21	30	PASS
Band4	15MHz	64QAM	20325	75RB#0	19.73	20.03	30	PASS
Band4	15MHz	256QAM	20025	1RB#0	17.65	17.95	30	PASS
Band4	15MHz	256QAM	20025	1RB#38	17.8	18.1	30	PASS
Band4	15MHz	256QAM	20025	1RB#74	17.69	17.99	30	PASS
Band4	15MHz	256QAM	20025	75RB#0	17.62	17.92	30	PASS
Band4	15MHz	256QAM	20175	1RB#0	17.56	17.86	30	PASS
Band4	15MHz	256QAM	20175	1RB#38	17.75	18.05	30	PASS
Band4	15MHz	256QAM	20175	1RB#74	17.72	18.02	30	PASS
Band4	15MHz	256QAM	20175	75RB#0	17.66	17.96	30	PASS
Band4	15MHz	256QAM	20325	1RB#0	17.64	17.94	30	PASS
Band4	15MHz	256QAM	20325	1RB#38	17.82	18.12	30	PASS
Band4	15MHz	256QAM	20325	1RB#74	17.76	18.06	30	PASS
Band4	15MHz	256QAM	20325	75RB#0	17.69	17.99	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.35	22.65	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.59	22.89	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.44	22.74	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.47	21.77	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.38	22.68	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.56	22.86	30	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.49	22.79	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.52	21.82	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.52	21.82	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.57	22.87	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.53	22.83	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.58	21.88	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.54	21.84	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.71	22.01	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.55	21.85	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.59	20.89	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.47	21.77	30	PASS



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Wireless Laboratory

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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号厂房南楼 邮编: 215000

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Band4	20MHz	16QAM	20175	1RB#49	21.68	21.98	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	21.61	21.91	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.63	20.93	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.46	21.76	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.73	22.03	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.68	21.98	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.73	21.03	30	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.78	21.08	30	PASS
Band4	20MHz	64QAM	20050	1RB#49	20.9	21.2	30	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.75	21.05	30	PASS
Band4	20MHz	64QAM	20050	100RB#0	19.6	19.9	30	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.64	20.94	30	PASS
Band4	20MHz	64QAM	20175	1RB#49	20.92	21.22	30	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.86	21.16	30	PASS
Band4	20MHz	64QAM	20175	100RB#0	19.64	19.94	30	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.71	21.01	30	PASS
Band4	20MHz	64QAM	20300	1RB#49	20.92	21.22	30	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.87	21.17	30	PASS
Band4	20MHz	64QAM	20300	100RB#0	19.73	20.03	30	PASS
Band4	20MHz	256QAM	20050	1RB#0	17.58	17.88	30	PASS
Band4	20MHz	256QAM	20050	1RB#49	17.76	18.06	30	PASS
Band4	20MHz	256QAM	20050	1RB#99	17.63	17.93	30	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.56	17.86	30	PASS
Band4	20MHz	256QAM	20175	1RB#0	17.5	17.8	30	PASS
Band4	20MHz	256QAM	20175	1RB#49	17.76	18.06	30	PASS
Band4	20MHz	256QAM	20175	1RB#99	17.7	18	30	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.59	17.89	30	PASS
Band4	20MHz	256QAM	20300	1RB#0	17.56	17.86	30	PASS
Band4	20MHz	256QAM	20300	1RB#49	17.81	18.11	30	PASS
Band4	20MHz	256QAM	20300	1RB#99	17.75	18.05	30	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.66	17.96	30	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	5.38	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.38	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.44	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.10	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.10	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.20	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.38	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	6.36	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	6.36	13	PASS
Band4	20MHz	256QAM	20050	100RB#0	6.40	13	PASS
Band4	20MHz	256QAM	20175	100RB#0	6.48	13	PASS
Band4	20MHz	256QAM	20300	100RB#0	6.46	13	PASS



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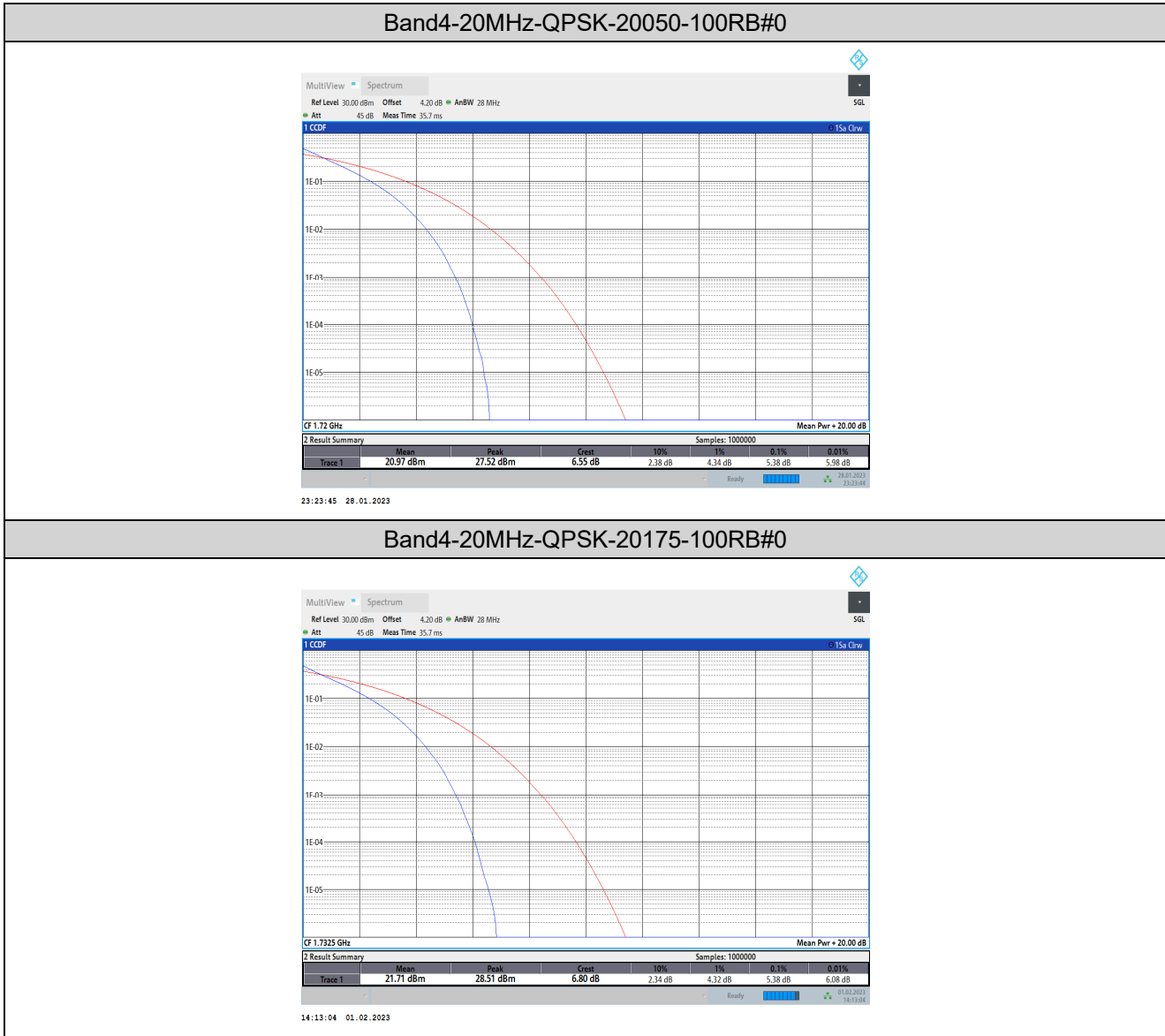
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Test Graphs

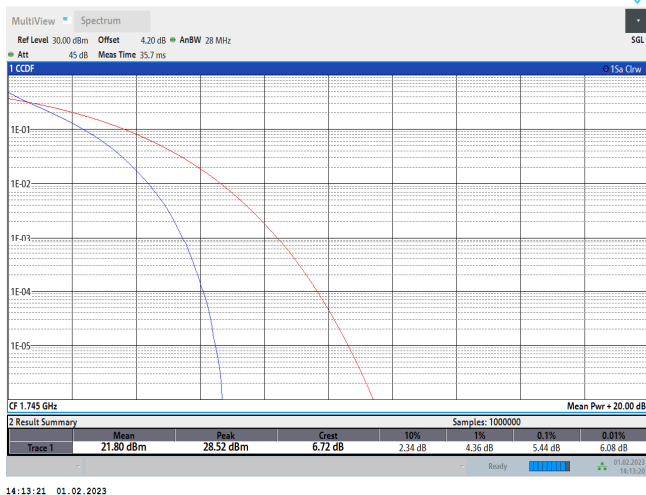


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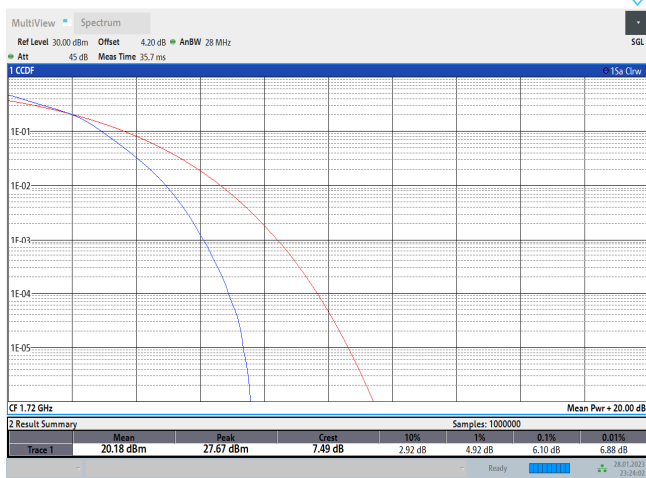
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Band4-20MHz-QPSK-20300-100RB#0



14:13:21 01.02.2023

Band4-20MHz-16QAM-20050-100RB#0

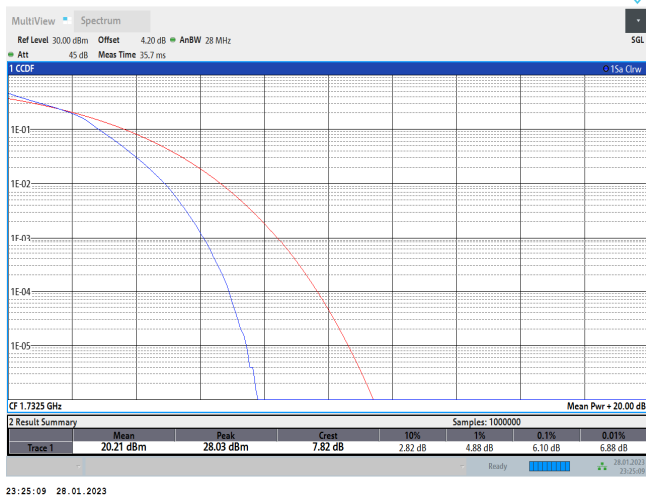


23:24:02 28.01.2023



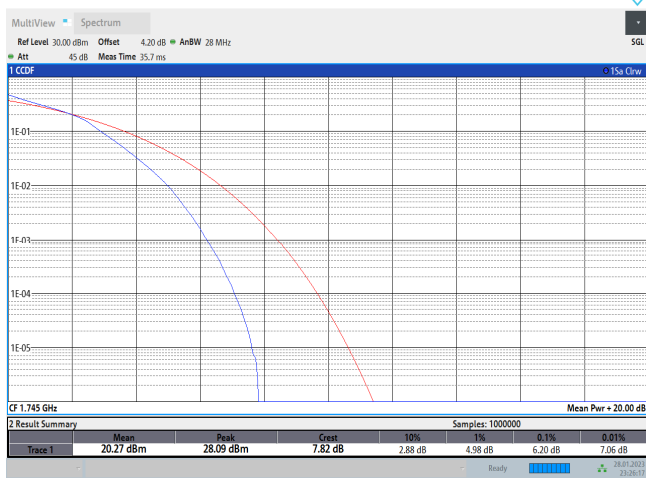
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Band4-20MHz-16QAM-20175-100RB#0



23:25:09 28.01.2023

Band4-20MHz-16QAM-20300-100RB#0

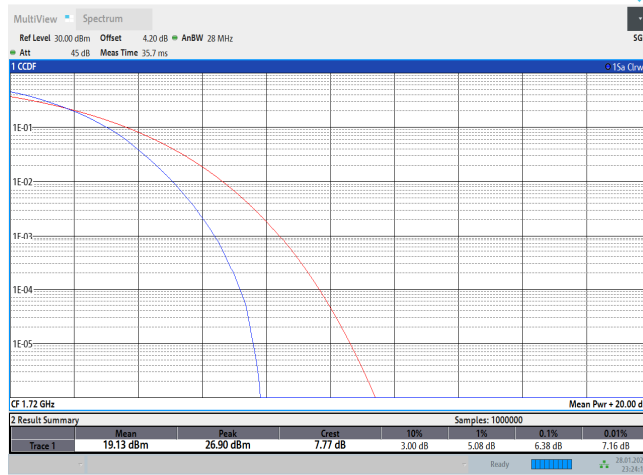


23:26:17 28.01.2023



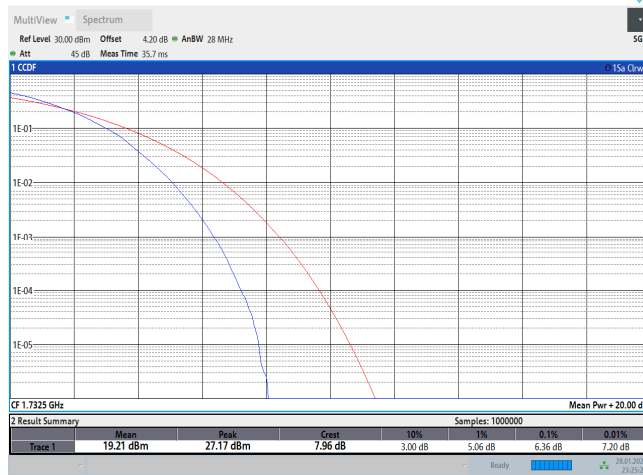
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Band4-20MHz-64QAM-20050-100RB#0



23:24:18 28. 01. 2023

Band4-20MHz-64QAM-20175-100RB#0



23:25:26 28. 01. 2023

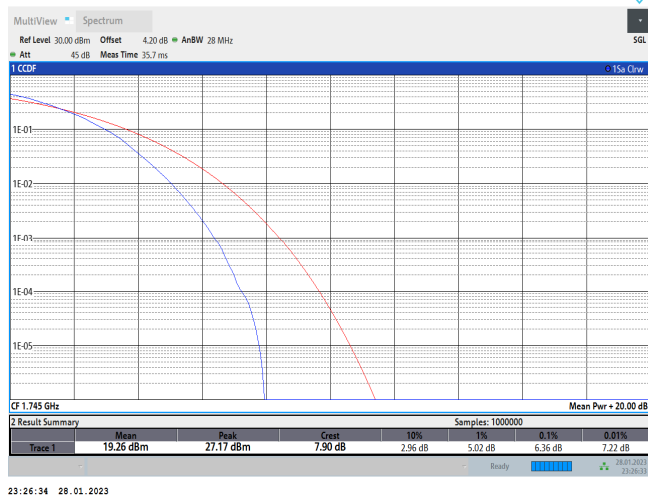


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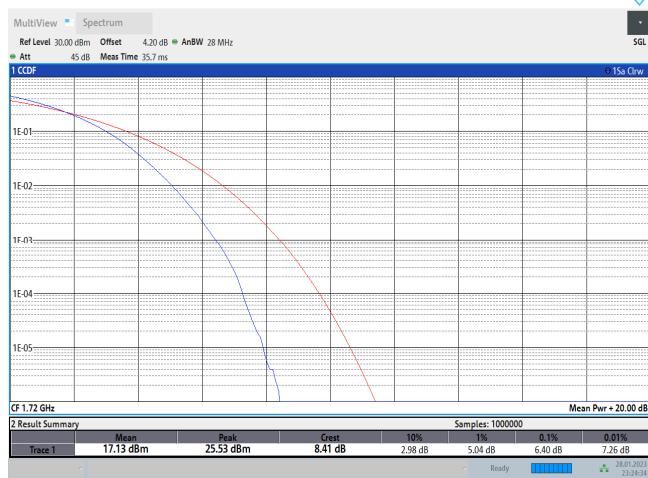
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Band4-20MHz-64QAM-20300-100RB#0



23:26:34 28.01.2023

Band4-20MHz-256QAM-20050-100RB#0



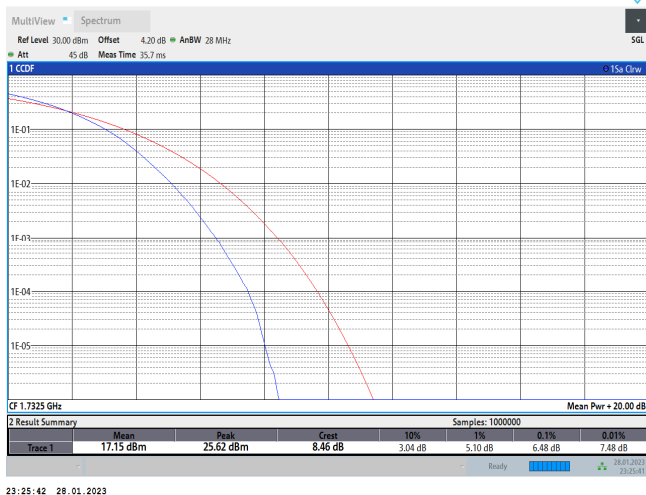
23:24:35 28.01.2023



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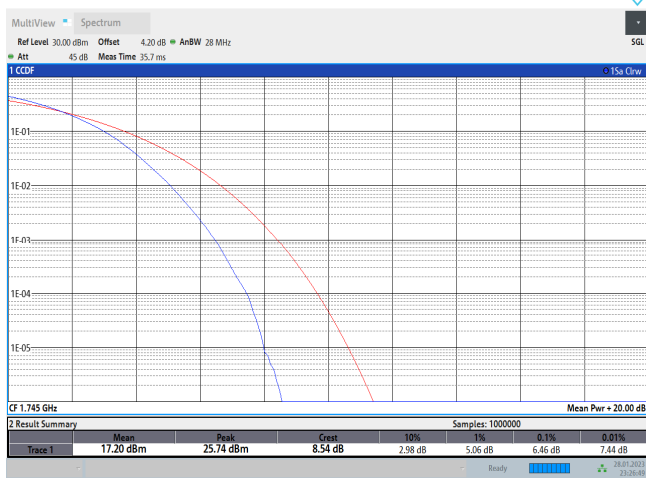


Band4-20MHz-256QAM-20175-100RB#0



23:25:42 28. 01. 2023

Band4-20MHz-256QAM-20300-100RB#0



23:26:50 28. 01. 2023



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Rev.: 01

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## Modulation Characteristics

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	64QAM	20175	100RB#0	PASS	PASS
Band4	20MHz	256QAM	20175	100RB#0	PASS	PASS



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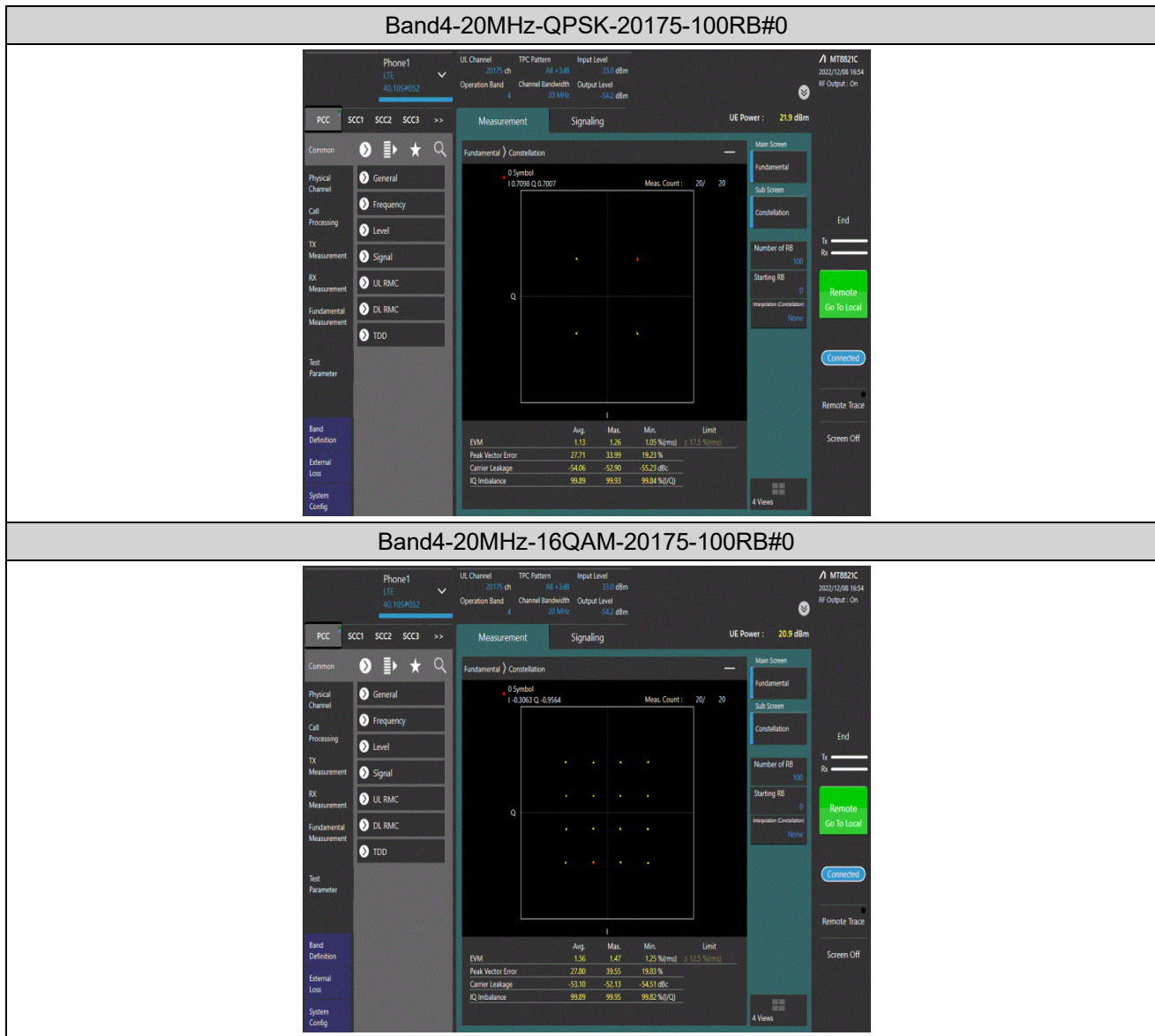
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Test Graphs

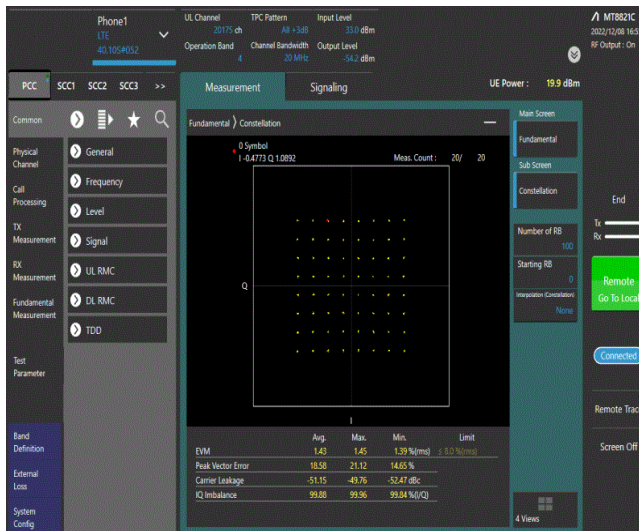


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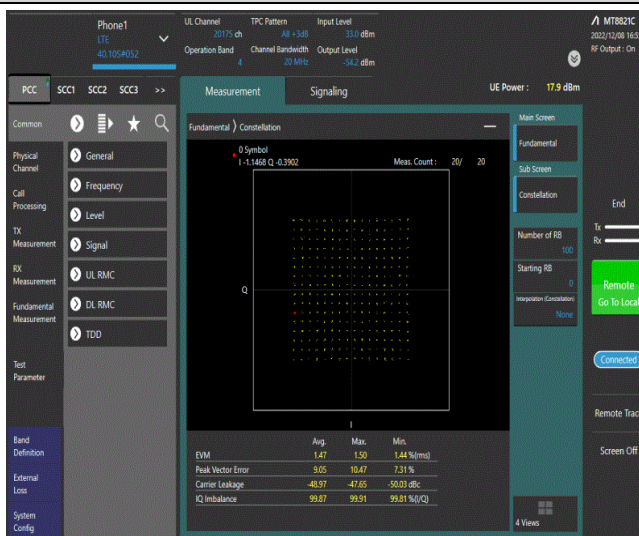
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Band4-20MHz-64QAM-20175-100RB#0



Band4-20MHz-256QAM-20175-100RB#0



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.097	1.28	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.093	1.28	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.092	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.096	1.32	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.095	1.31	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.094	1.31	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.096	1.31	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.096	1.31	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.098	1.33	PASS
Band4	1.4MHz	256QAM	19957	6RB#0	1.087	1.29	PASS
Band4	1.4MHz	256QAM	20175	6RB#0	1.087	1.29	PASS
Band4	1.4MHz	256QAM	20393	6RB#0	1.087	1.29	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.689	2.94	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.693	2.93	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.694	2.92	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.69	2.93	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.688	2.93	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.687	2.92	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.684	2.92	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.686	2.93	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.688	2.92	PASS
Band4	3MHz	256QAM	19965	15RB#0	2.68	2.93	PASS
Band4	3MHz	256QAM	20175	15RB#0	2.684	2.94	PASS
Band4	3MHz	256QAM	20385	15RB#0	2.684	2.95	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.467	4.86	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.462	4.87	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.464	4.87	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.467	4.84	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.467	4.85	PASS



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Band4	5MHz	16QAM	20375	25RB#0	4.467	4.83	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.472	4.89	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.473	4.88	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.472	4.88	PASS
Band4	5MHz	256QAM	19975	25RB#0	4.468	4.85	PASS
Band4	5MHz	256QAM	20175	25RB#0	4.468	4.85	PASS
Band4	5MHz	256QAM	20375	25RB#0	4.473	4.86	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.925	9.58	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.921	9.60	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.925	9.56	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.92	9.70	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.92	9.70	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.922	9.70	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.936	9.66	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.937	9.66	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.941	9.64	PASS
Band4	10MHz	256QAM	20000	50RB#0	8.934	9.60	PASS
Band4	10MHz	256QAM	20175	50RB#0	8.931	9.56	PASS
Band4	10MHz	256QAM	20350	50RB#0	8.923	9.62	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.432	14.67	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.46	14.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.445	14.67	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.438	14.67	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.451	14.67	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.46	14.70	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.445	14.73	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.455	14.76	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.466	14.73	PASS
Band4	15MHz	256QAM	20025	75RB#0	13.426	14.55	PASS
Band4	15MHz	256QAM	20175	75RB#0	13.434	14.58	PASS
Band4	15MHz	256QAM	20325	75RB#0	13.449	14.79	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.859	19.32	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.875	19.32	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.879	19.36	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.846	19.20	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.865	19.28	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.865	19.32	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.852	19.28	PASS



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Band4	20MHz	64QAM	20175	100RB#0	17.853	19.36	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.88	19.36	PASS
Band4	20MHz	256QAM	20050	100RB#0	17.87	19.20	PASS
Band4	20MHz	256QAM	20175	100RB#0	17.865	19.20	PASS
Band4	20MHz	256QAM	20300	100RB#0	17.876	19.32	PASS



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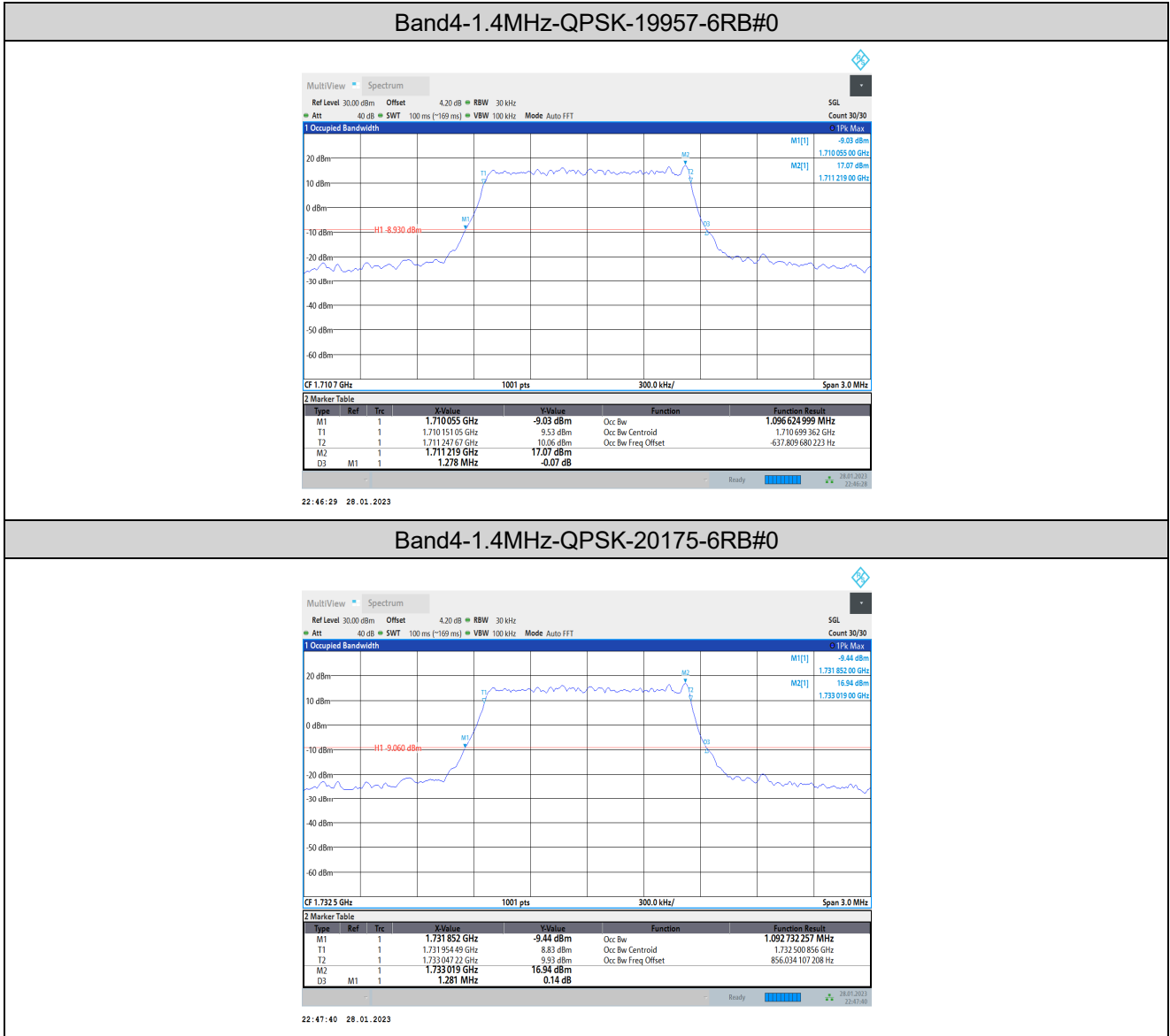
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Test Graphs



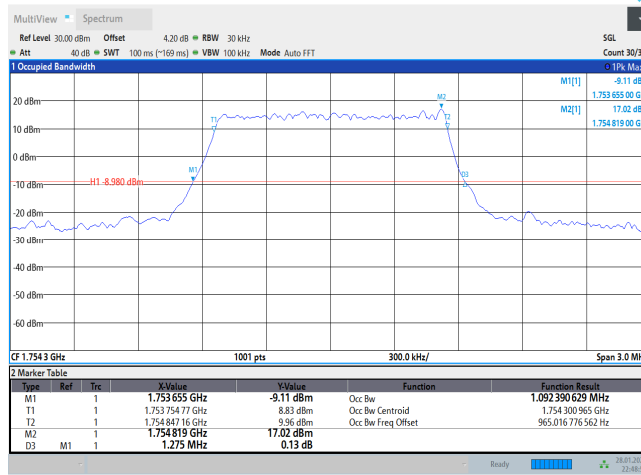
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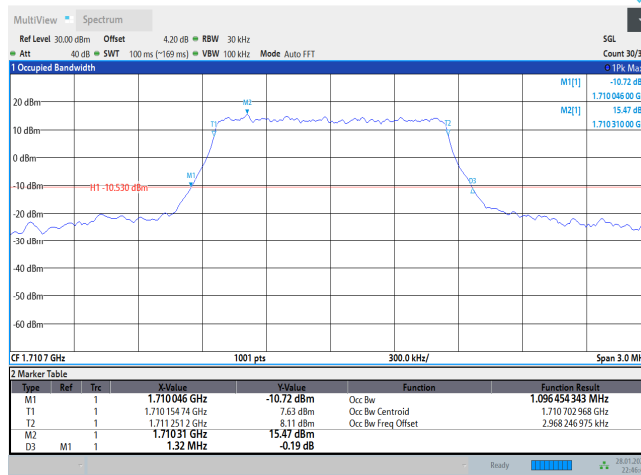


Band4-1.4MHz-QPSK-20393-6RB#0



22:48:51 28.01.2023

Band4-1.4MHz-16QAM-19957-6RB#0



22:46:47 28.01.2023

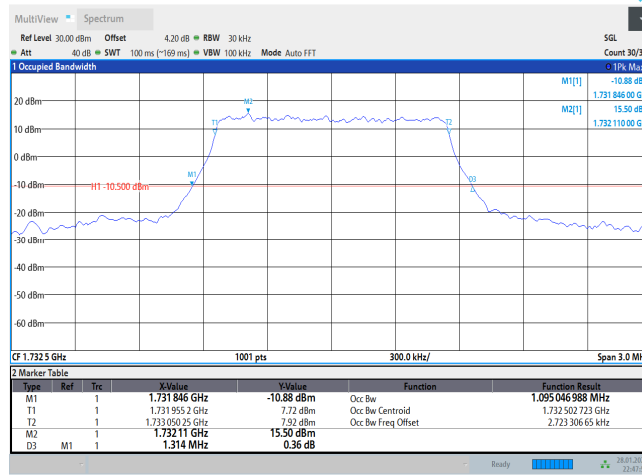


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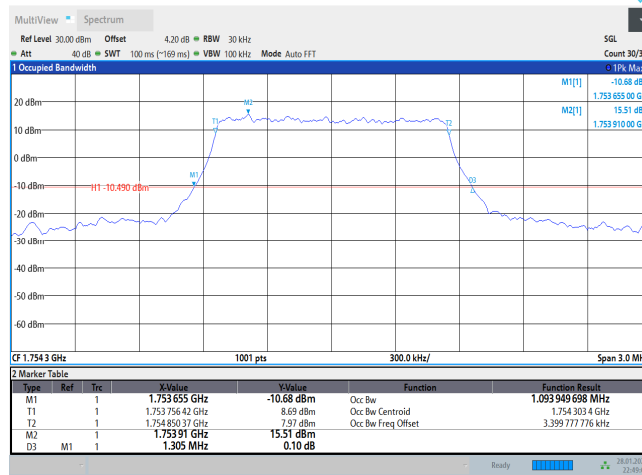
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Band4-1.4MHz-16QAM-20175-6RB#0



22:47:57 28.01.2023

Band4-1.4MHz-16QAM-20393-6RB#0

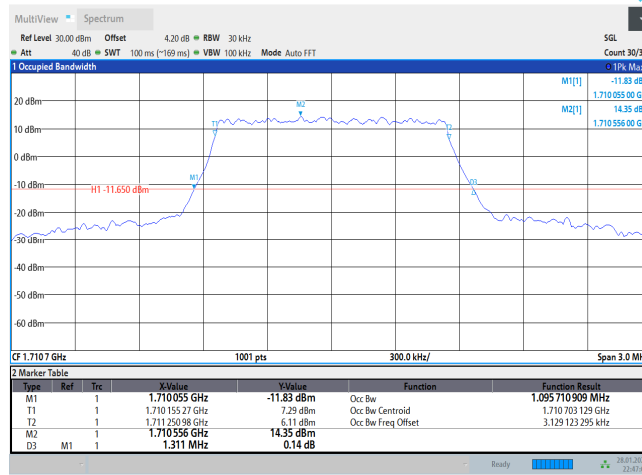


22:49:08 28.01.2023



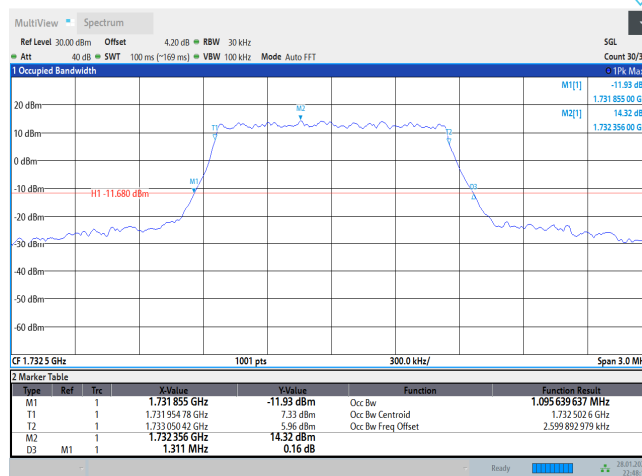
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Band4-1.4MHz-64QAM-19957-6RB#0



22:47:04 28.01.2023

Band4-1.4MHz-64QAM-20175-6RB#0

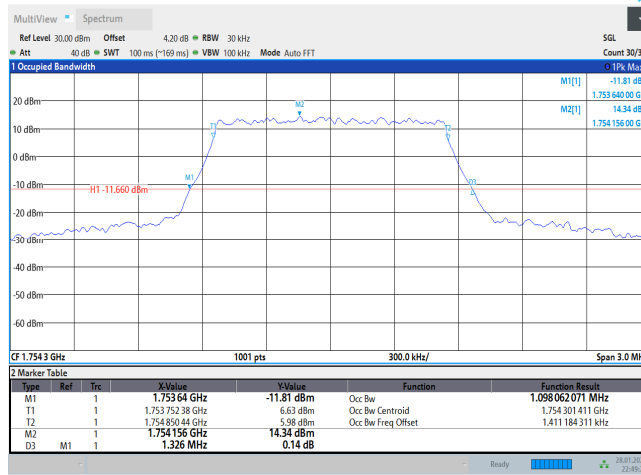


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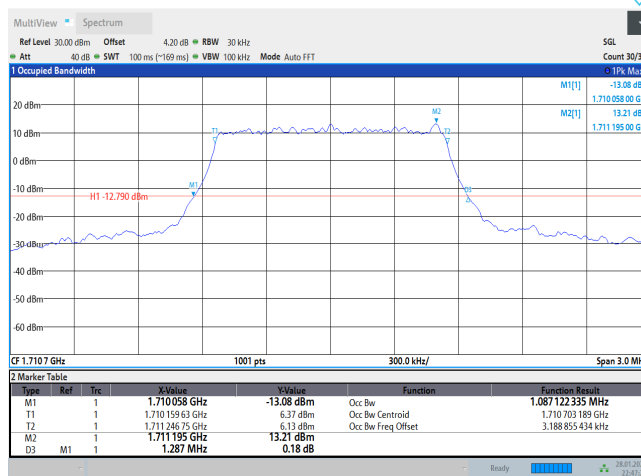
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Band4-1.4MHz-64QAM-20393-6RB#0



22:49:25 28.01.2023

Band4-1.4MHz-256QAM-19957-6RB#0



22:47:21 28.01.2023

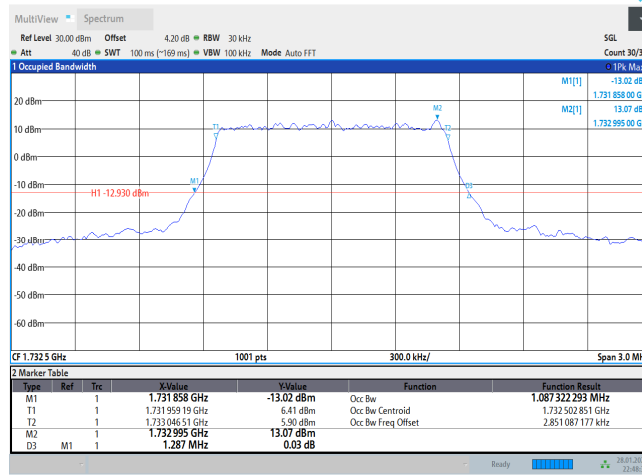


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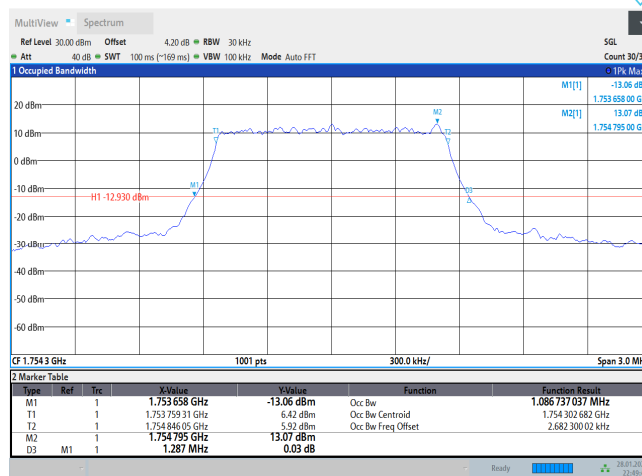
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Band4-1.4MHz-256QAM-20175-6RB#0



22:48:32 28.01.2023

Band4-1.4MHz-256QAM-20393-6RB#0



22:49:42 28.01.2023

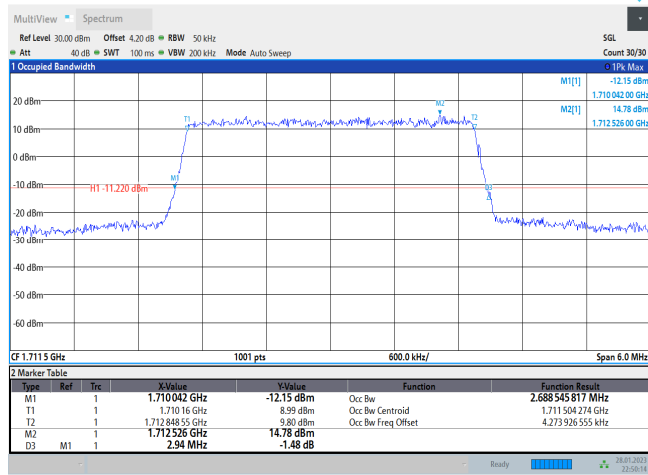


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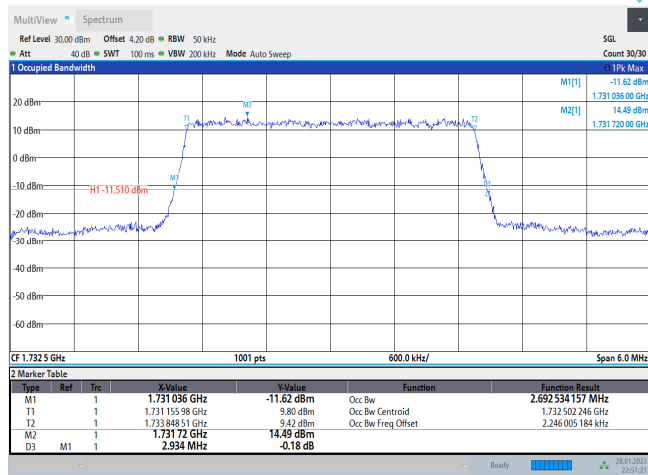
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Band4-3MHz-QPSK-19965-15RB#0



22:50:16 28.01.2023

Band4-3MHz-QPSK-20175-15RB#0

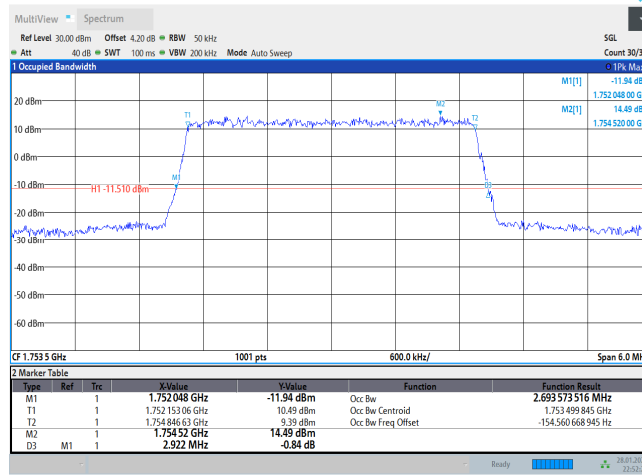


22:51:22 28.01.2023



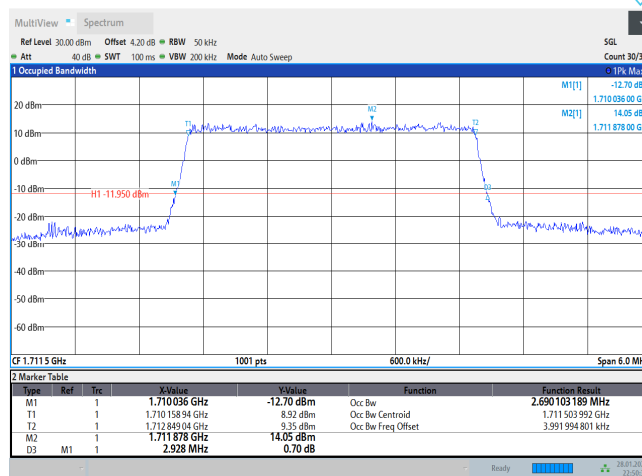
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Band4-3MHz-QPSK-20385-15RB#0



22:52:29 28.01.2023

Band4-3MHz-16QAM-19965-15RB#0



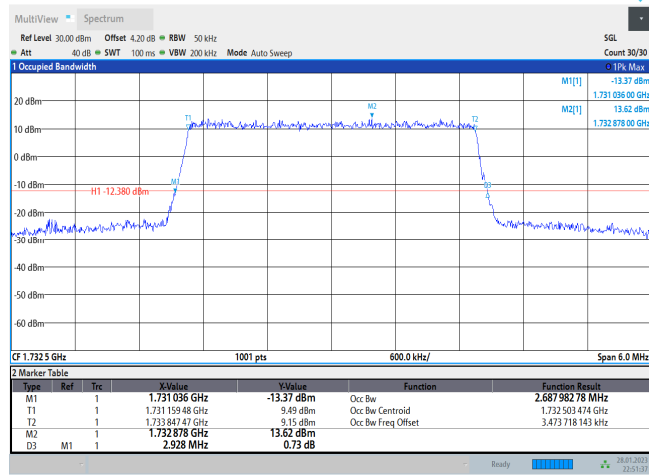
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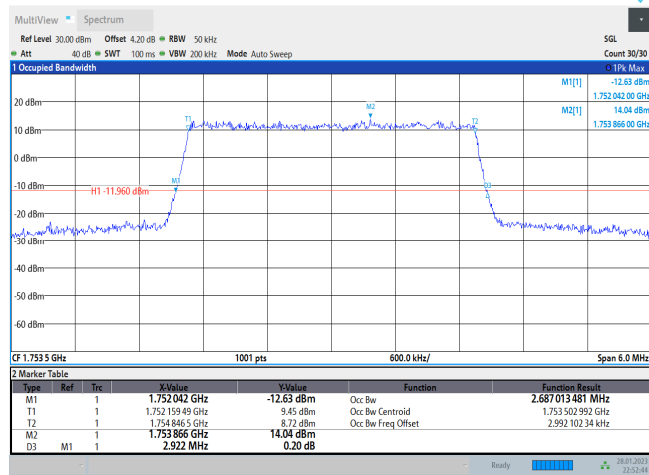
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Band4-3MHz-16QAM-20175-15RB#0



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Band4-3MHz-16QAM-20385-15RB#0



22:52:45 28.01.2023



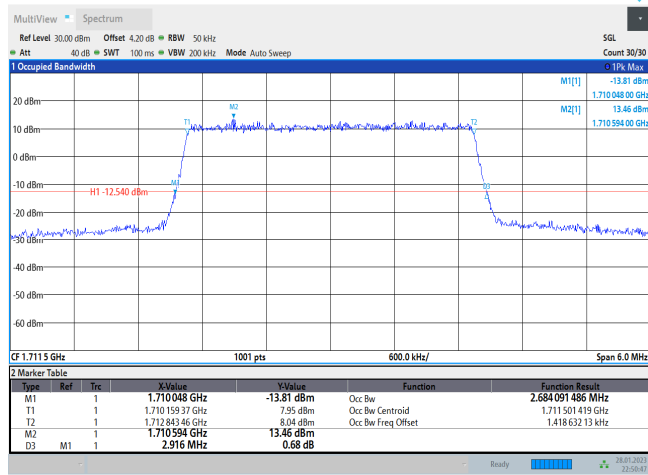
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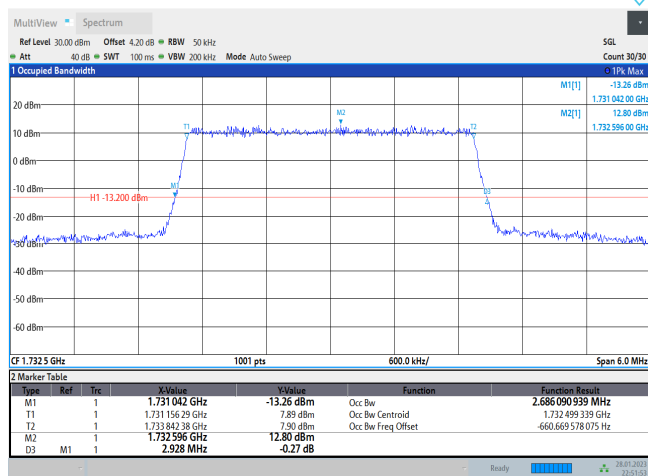


Band4-3MHz-64QAM-19965-15RB#0



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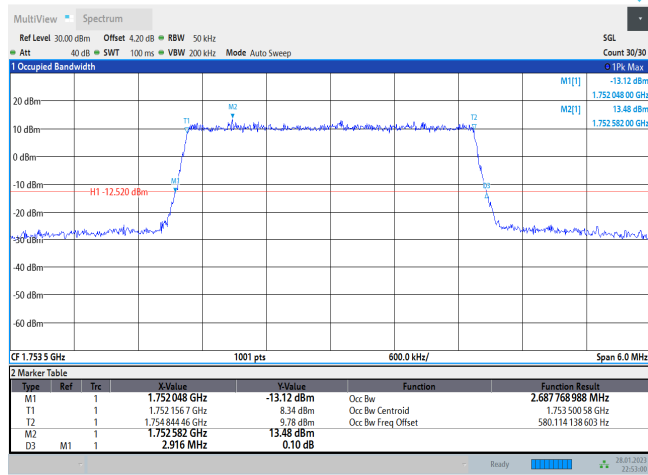


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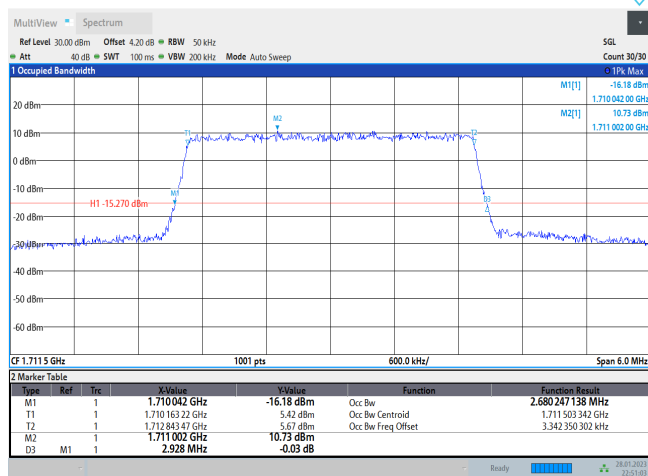
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Band4-3MHz-64QAM-20385-15RB#0



22:53:01 28.01.2023

Band4-3MHz-256QAM-19965-15RB#0

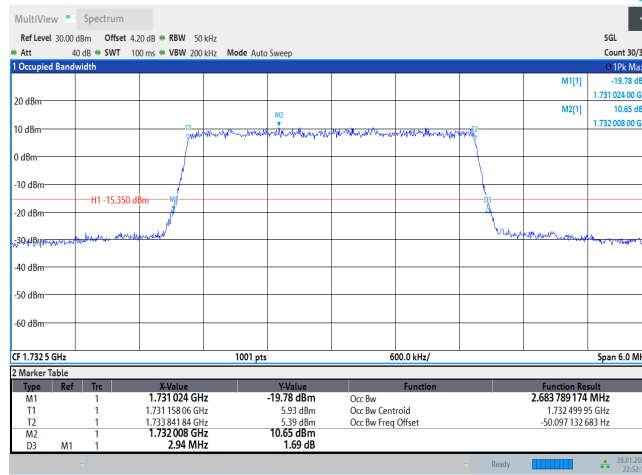


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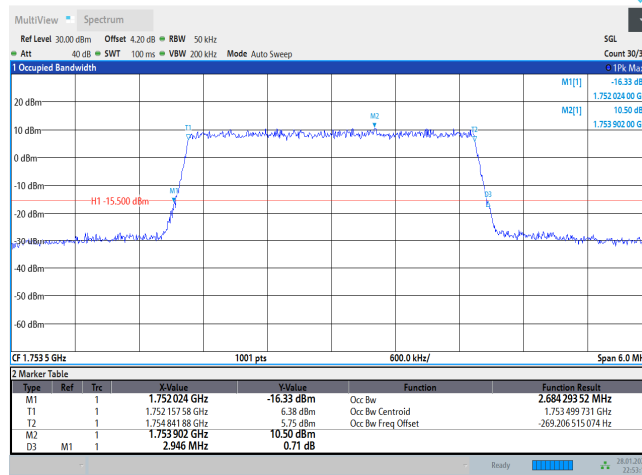
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Band4-3MHz-256QAM-20175-15RB#0



22:52:10 28. 01. 2023

Band4-3MHz-256QAM-20385-15RB#0

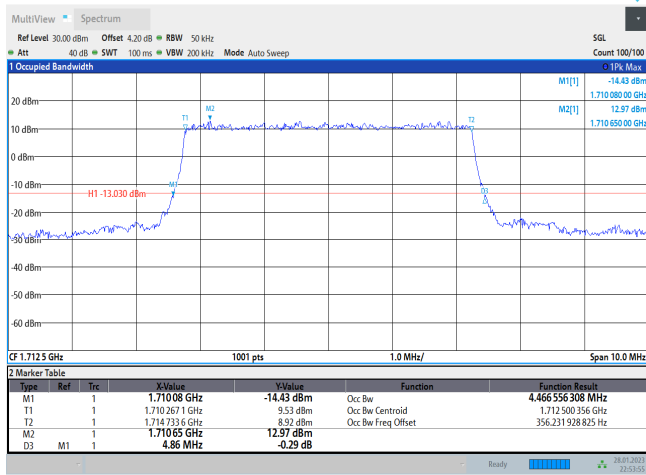


22:53:17 28. 01. 2023



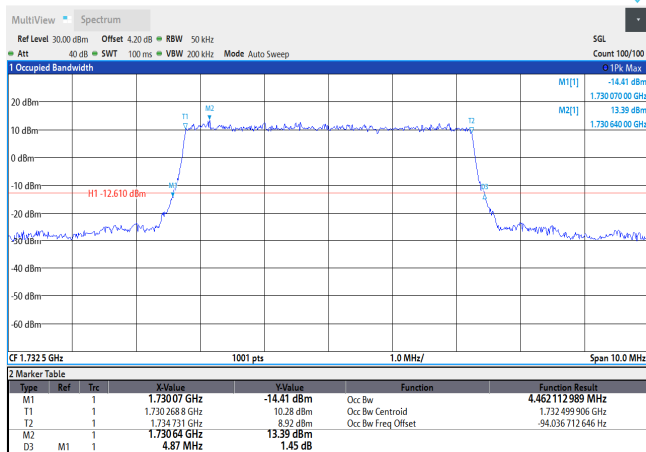
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Band4-5MHz-QPSK-19975-25RB#0



22:53:55 28.01.2023

Band4-5MHz-QPSK-20175-25RB#0

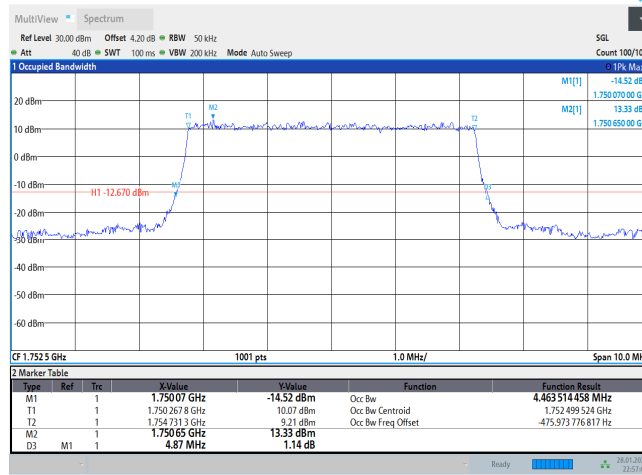


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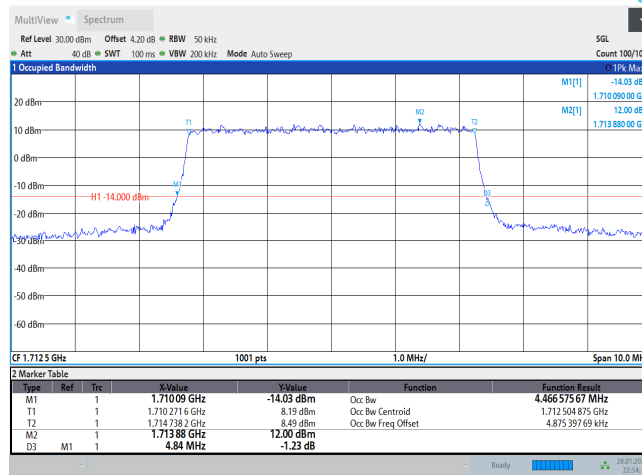
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Band4-5MHz-QPSK-20375-25RB#0



22:57:05 28.01.2023

Band4-5MHz-16QAM-19975-25RB#0



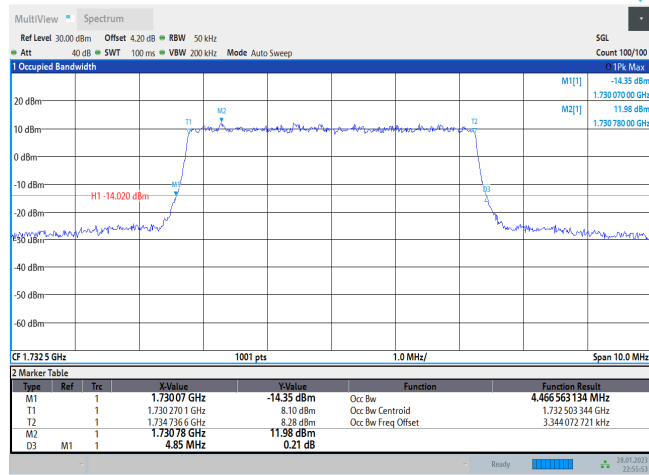
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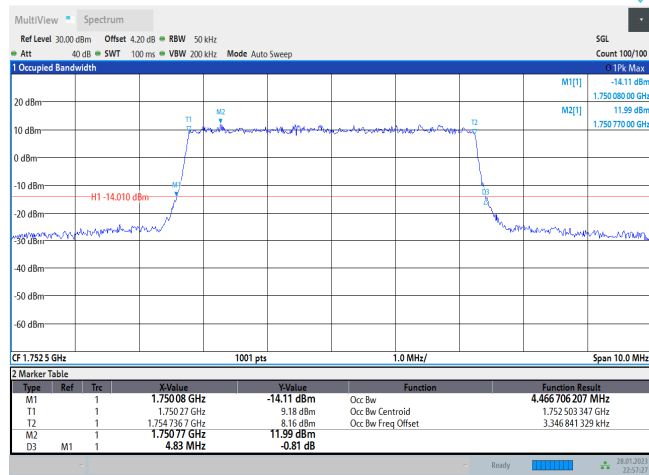
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Band4-5MHz-16QAM-20175-25RB#0



22:55:53 28.01.2023

Band4-5MHz-16QAM-20375-25RB#0



22:57:28 28.01.2023

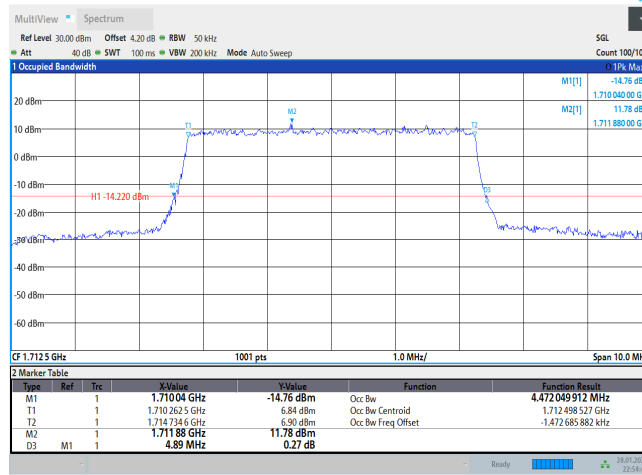


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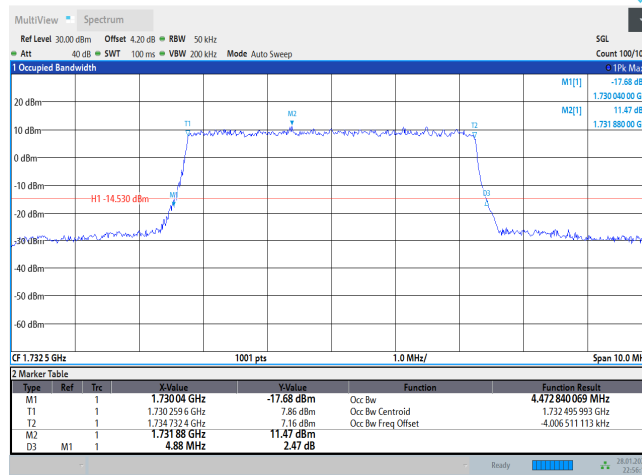
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Band4-5MHz-64QAM-19975-25RB#0



22:54:42 28.01.2023

Band4-5MHz-64QAM-20175-25RB#0

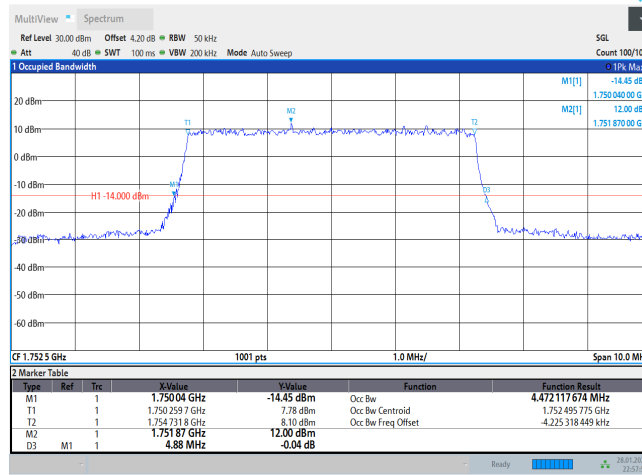


22:56:16 28.01.2023



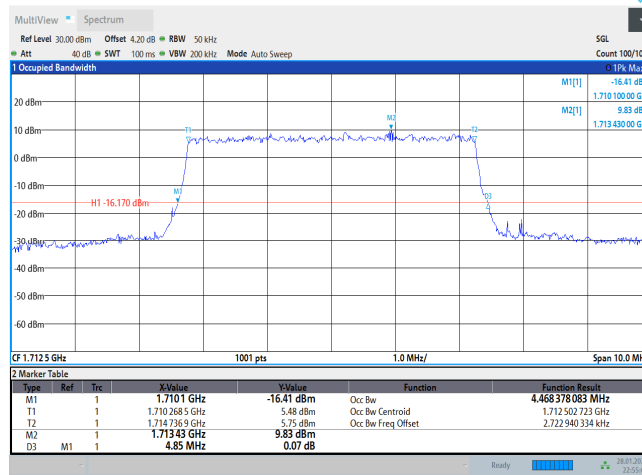
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Band4-5MHz-64QAM-20375-25RB#0



22:57:51 28.01.2023

Band4-5MHz-256QAM-19975-25RB#0



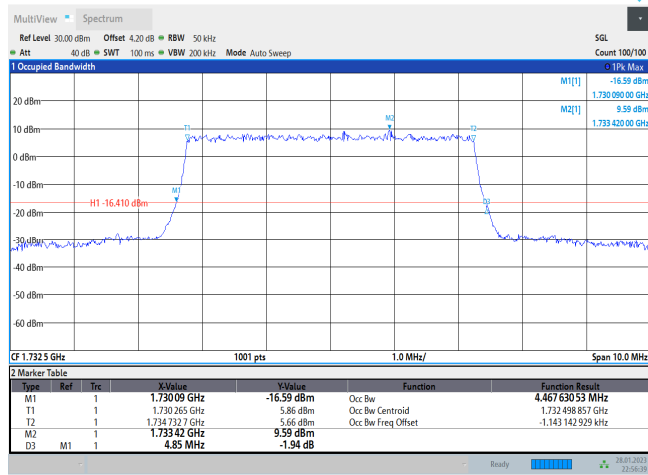
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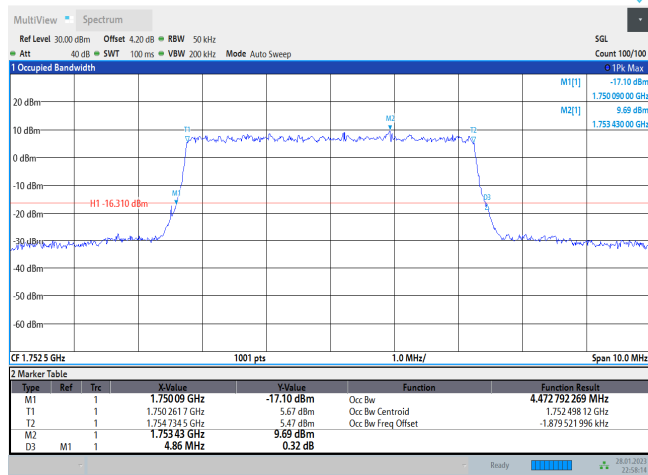


Band4-5MHz-256QAM-20175-25RB#0



22:56:40 28.01.2023

Band4-5MHz-256QAM-20375-25RB#0

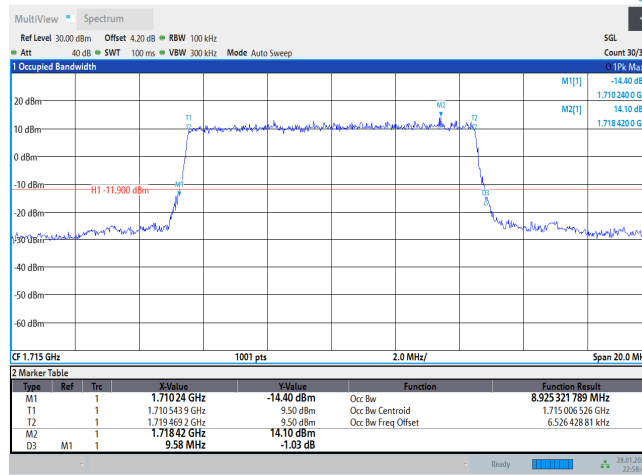


22:58:15 28.01.2023



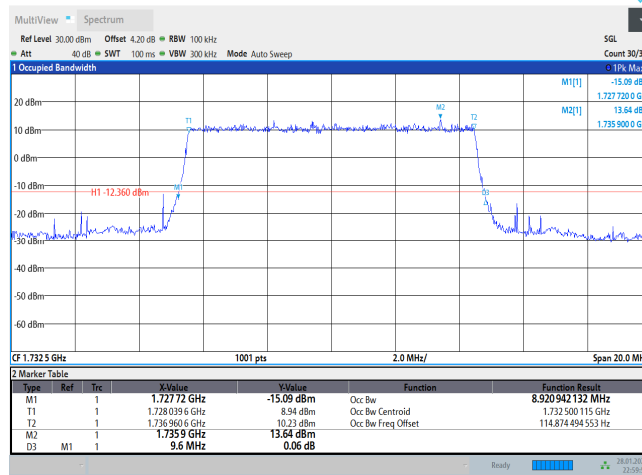
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Band4-10MHz-QPSK-20000-50RB#0



22:58:46 28.01.2023

Band4-10MHz-QPSK-20175-50RB#0

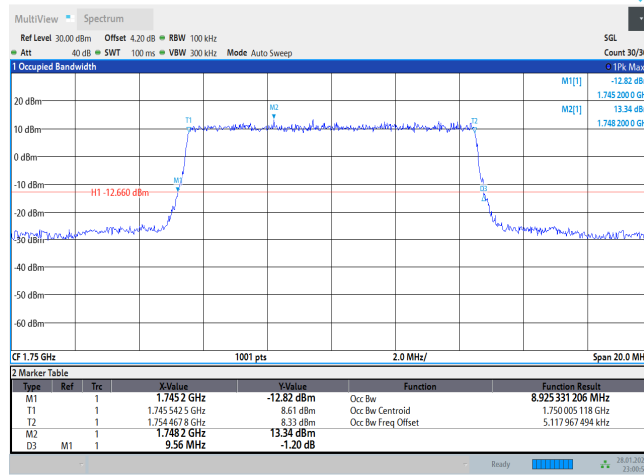


22:59:52 28.01.2023



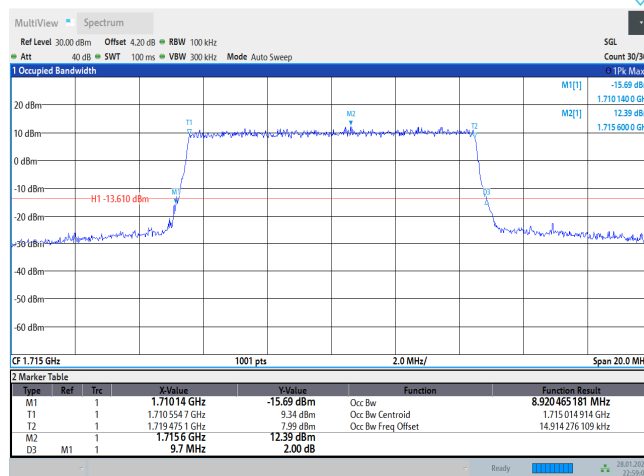
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Band4-10MHz-QPSK-20350-50RB#0



23:00:59 28.01.2023

Band4-10MHz-16QAM-20000-50RB#0

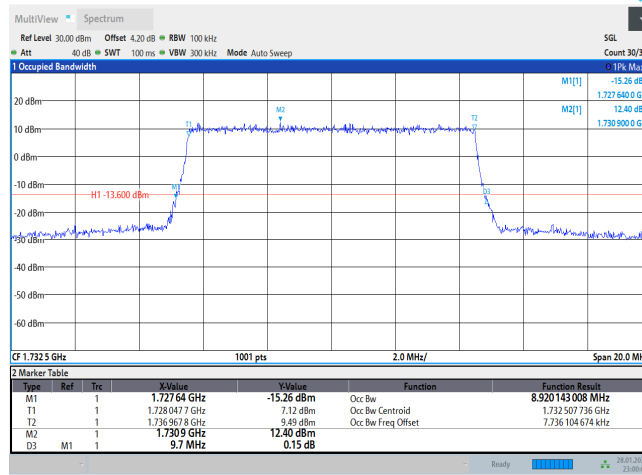


22:59:02 28.01.2023



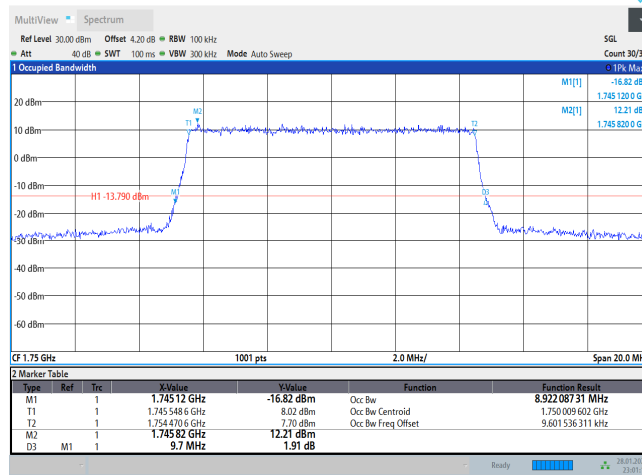
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Band4-10MHz-16QAM-20175-50RB#0



23:00:08 28.01.2023

Band4-10MHz-16QAM-20350-50RB#0

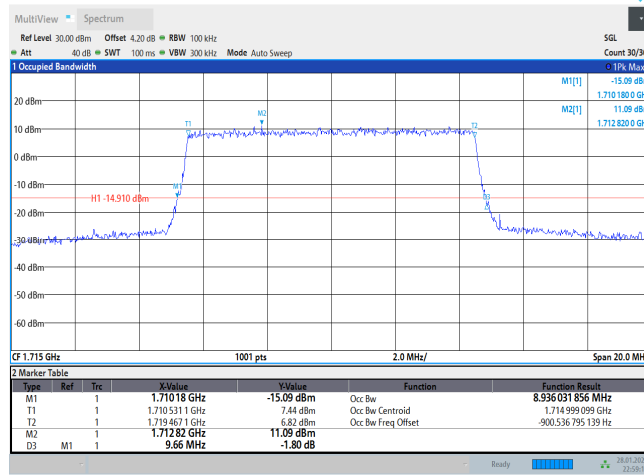


23:01:15 28.01.2023



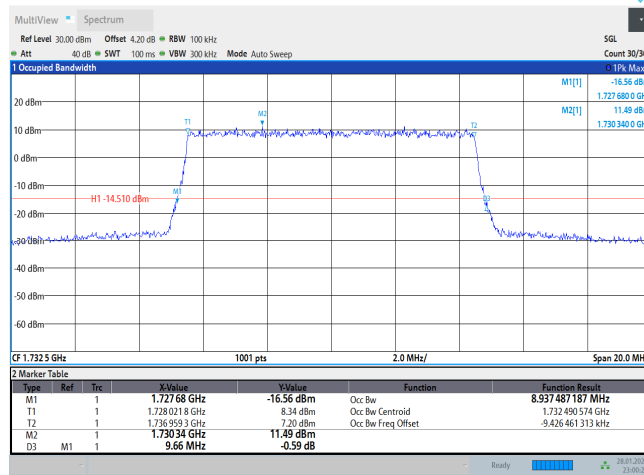
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Band4-10MHz-64QAM-20000-50RB#0



22:59:18 28.01.2023

Band4-10MHz-64QAM-20175-50RB#0

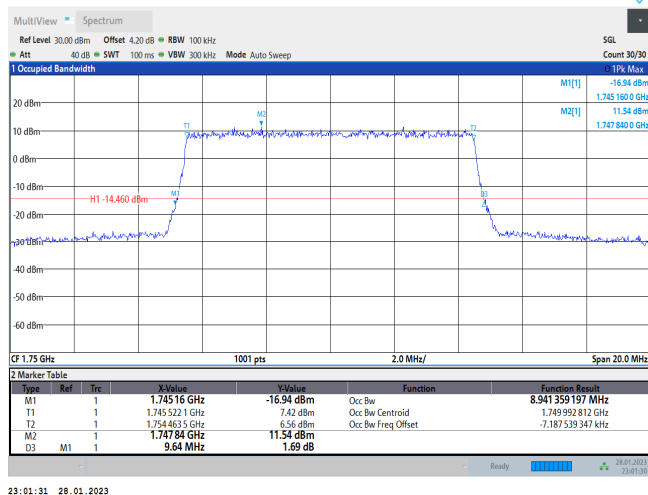


23:00:25 28.01.2023

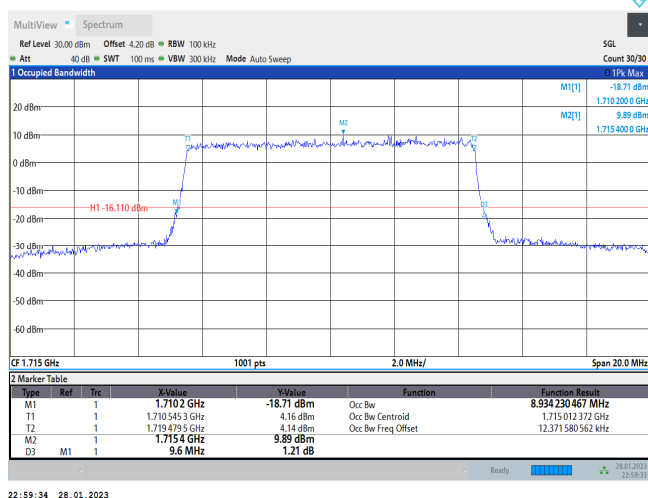


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Band4-10MHz-64QAM-20350-50RB#0

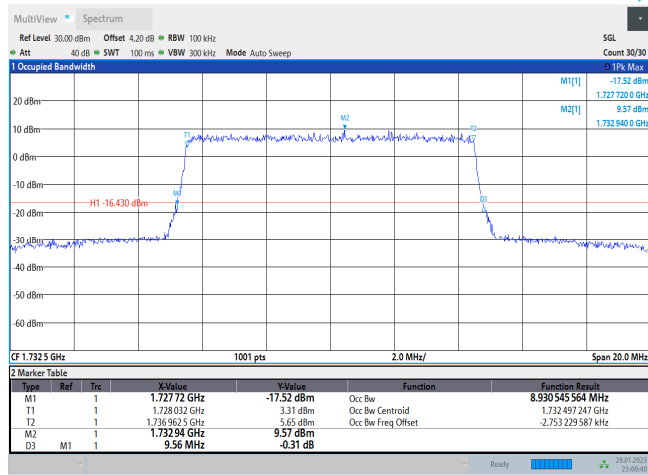


Band4-10MHz-256QAM-20000-50RB#0



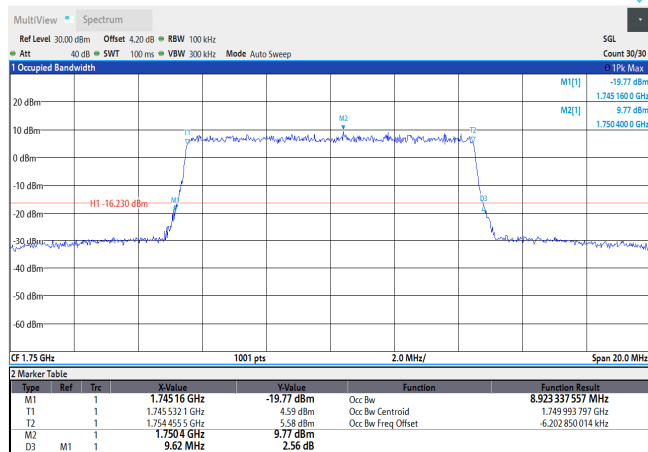
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Band4-10MHz-256QAM-20175-50RB#0



23:00:41 28.01.2023

Band4-10MHz-256QAM-20350-50RB#0

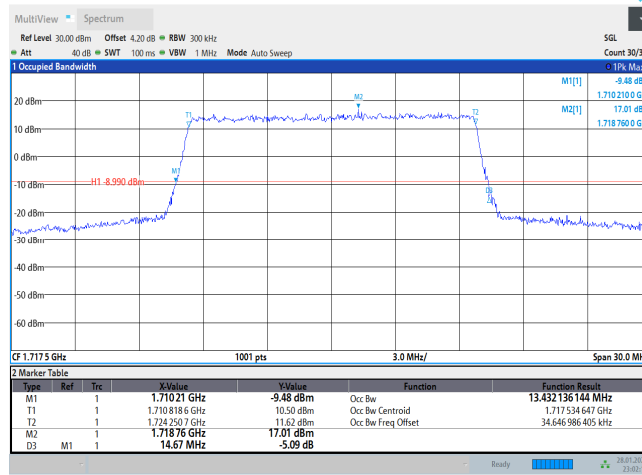


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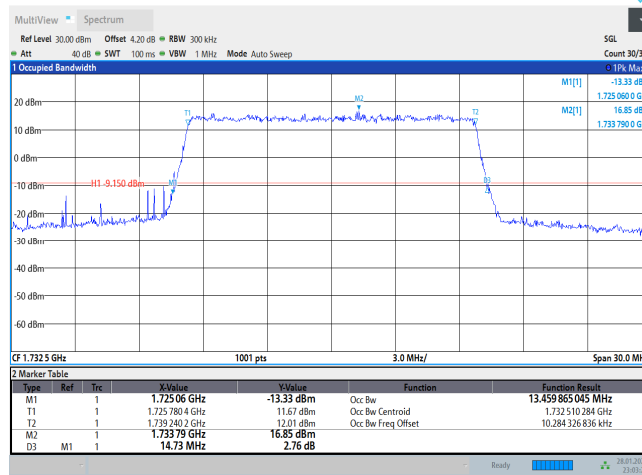
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Band4-15MHz-QPSK-20025-75RB#0



23:02:18 28.01.2023

Band4-15MHz-QPSK-20175-75RB#0

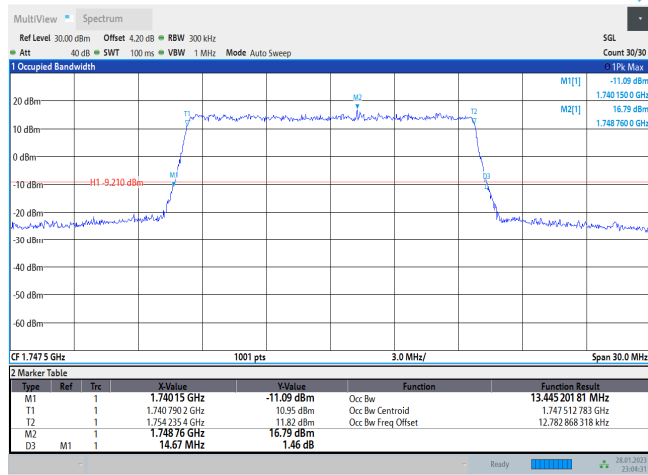


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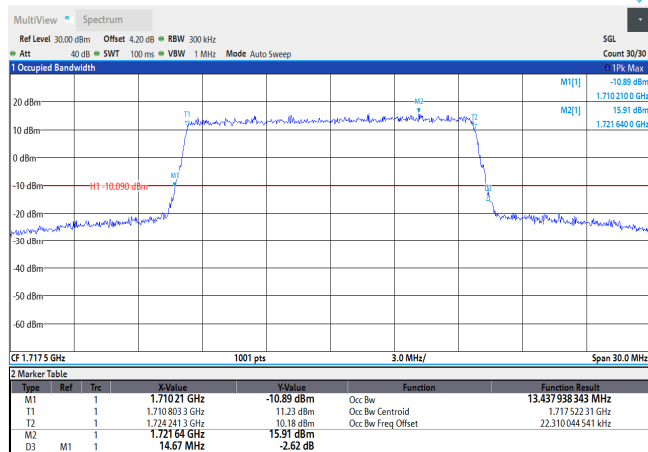


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Band4-15MHz-16QAM-20025-75RB#0

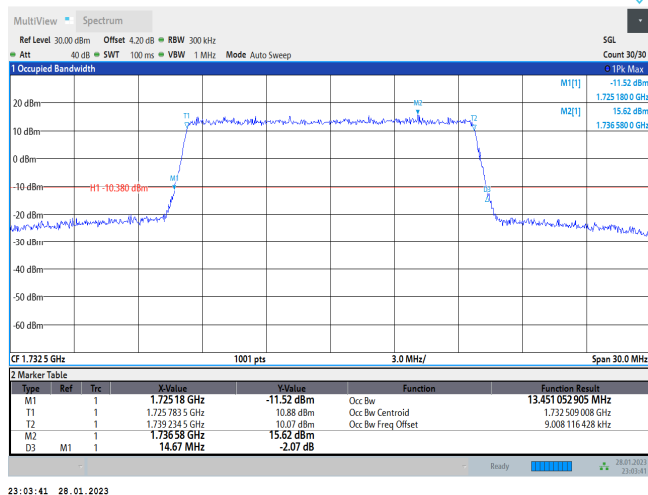


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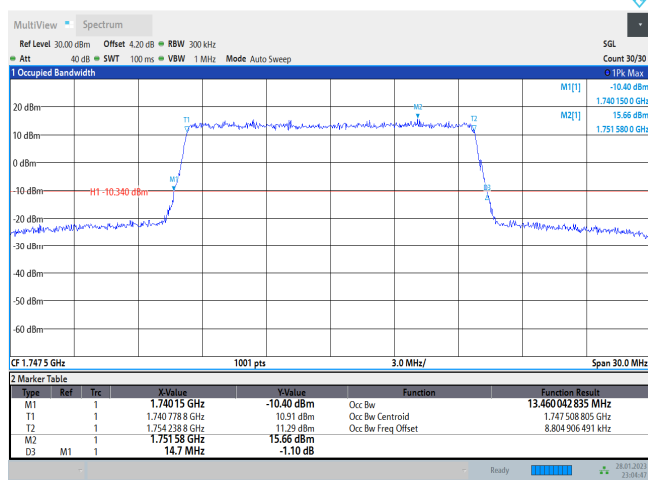
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Band4-15MHz-16QAM-20175-75RB#0



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Band4-15MHz-16QAM-20325-75RB#0

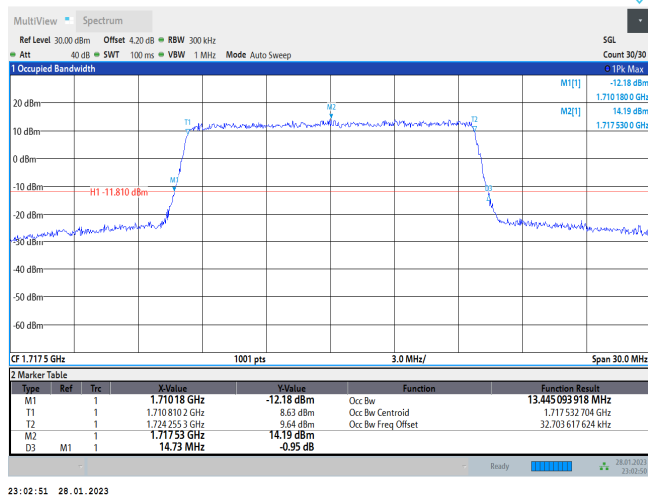


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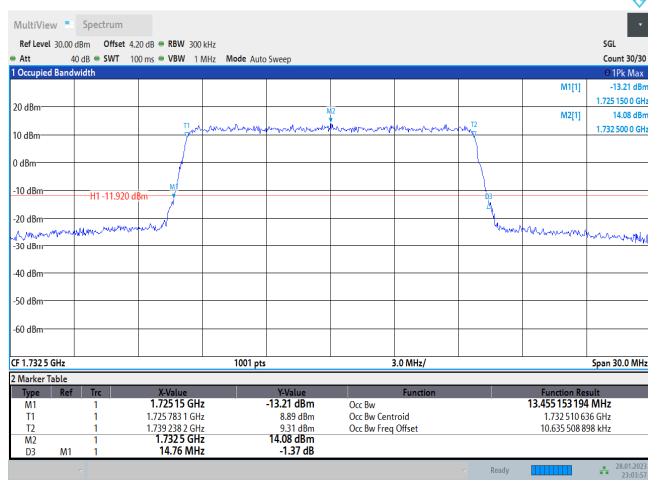
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Band4-15MHz-64QAM-20025-75RB#0



23:02:51 28.01.2023

Band4-15MHz-64QAM-20175-75RB#0

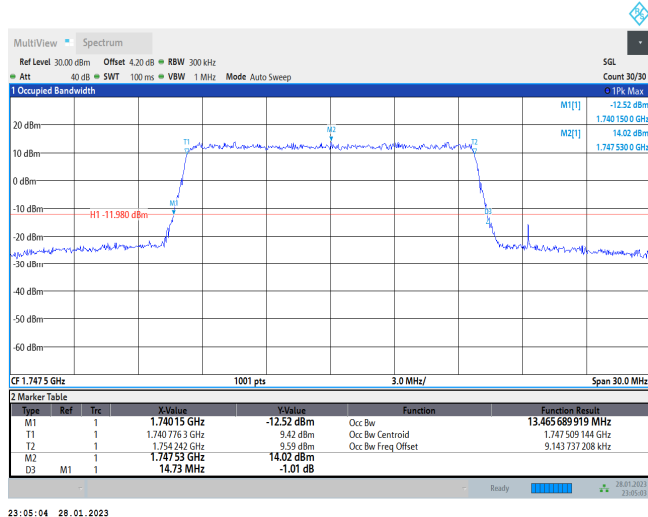


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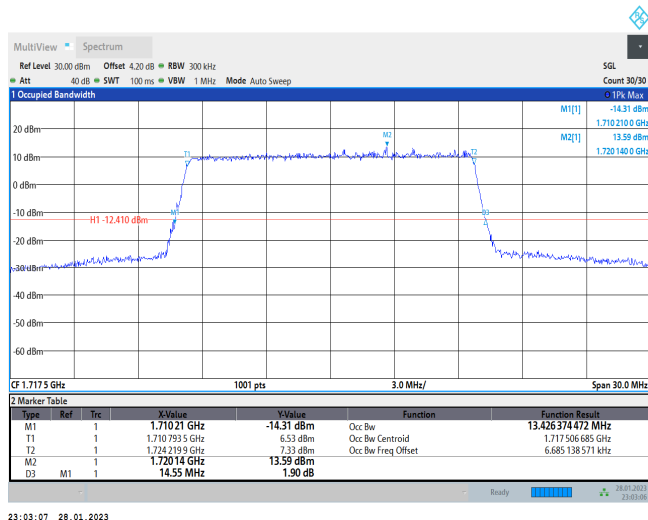


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Band4-15MHz-64QAM-20325-75RB#0



Band4-15MHz-256QAM-20025-75RB#0

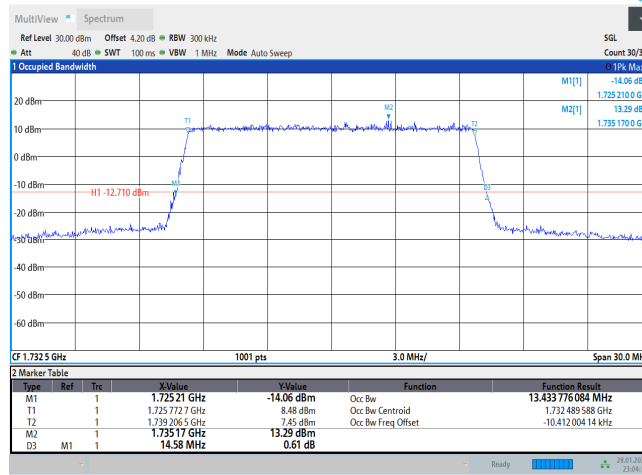


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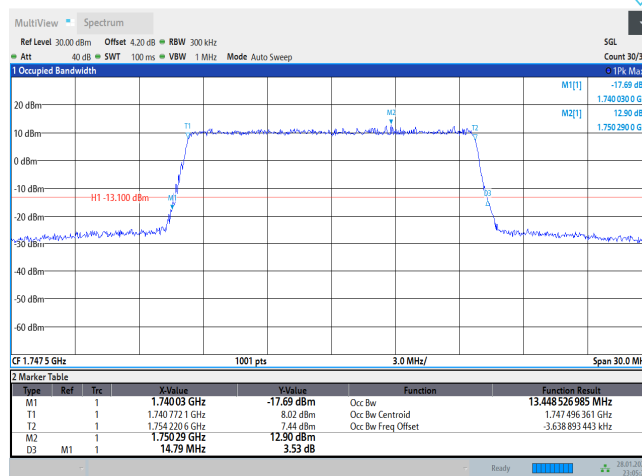
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Band4-15MHz-256QAM-20175-75RB#0



23:04:13 28.01.2023

Band4-15MHz-256QAM-20325-75RB#0



23:05:20 28.01.2023



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

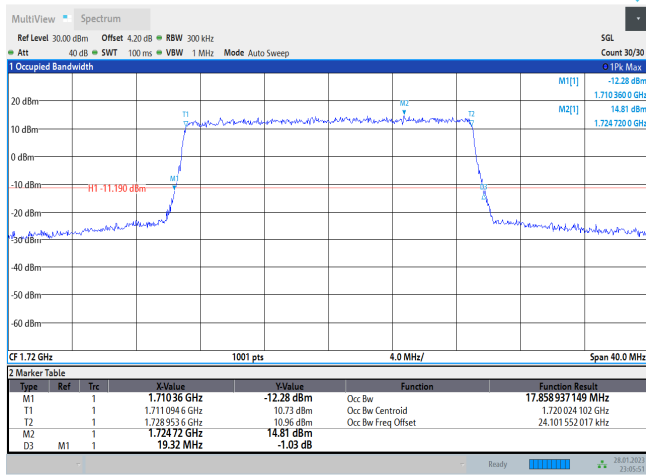
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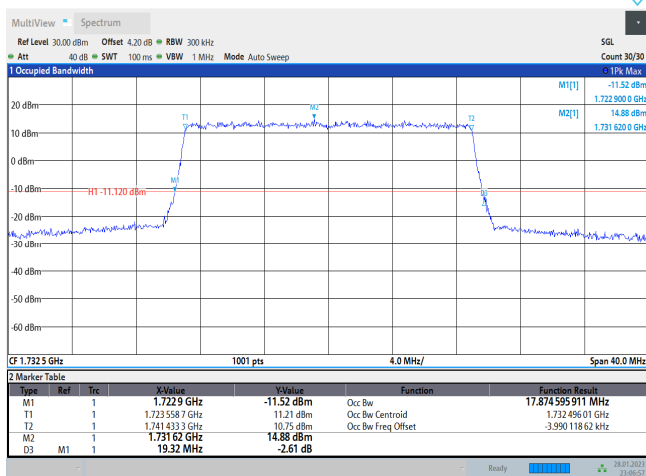
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Band4-20MHz-QPSK-20050-100RB#0



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Band4-20MHz-QPSK-20175-100RB#0

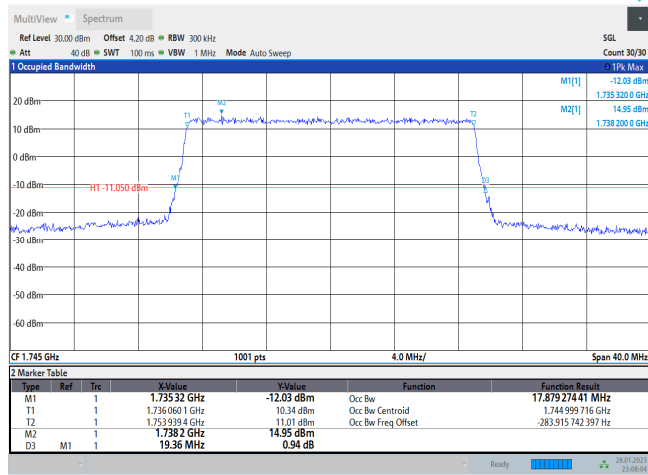


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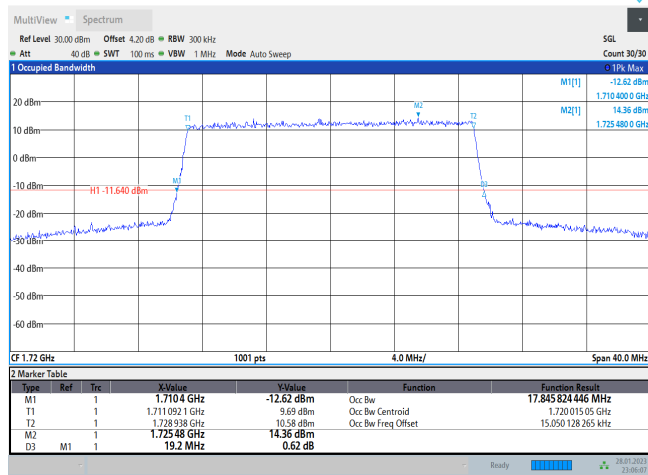
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Band4-20MHz-QPSK-20300-100RB#0



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Band4-20MHz-16QAM-20050-100RB#0

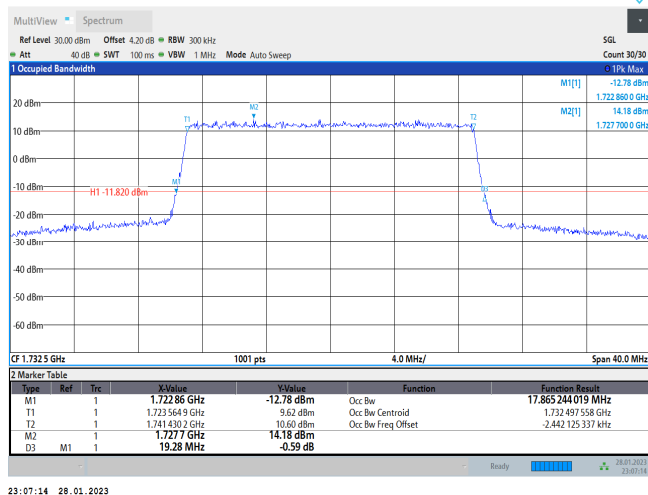


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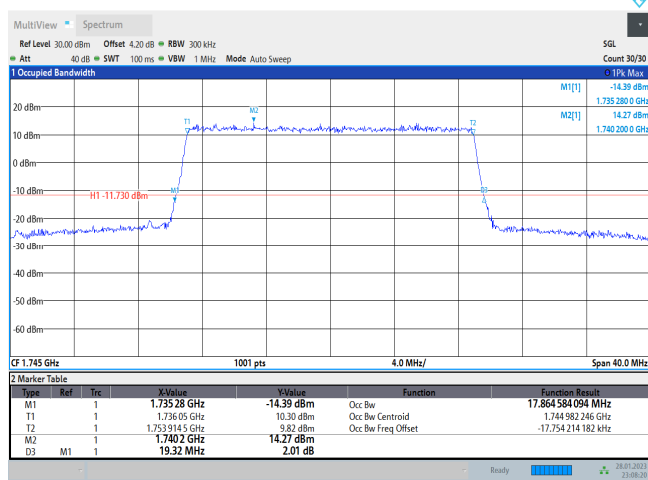
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Band4-20MHz-16QAM-20175-100RB#0



23:07:14 28.01.2023

Band4-20MHz-16QAM-20300-100RB#0



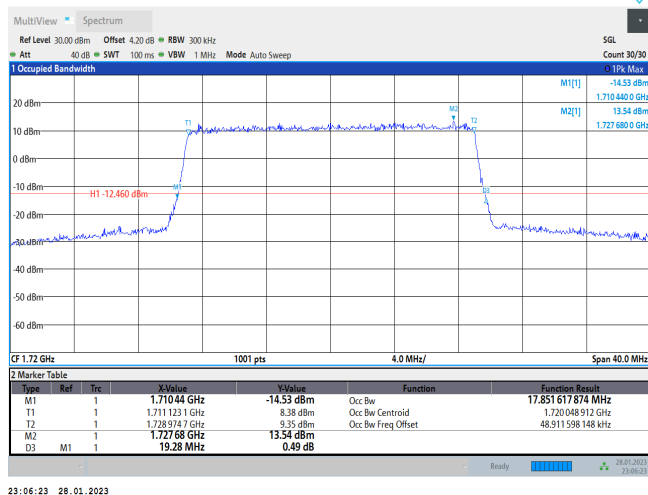
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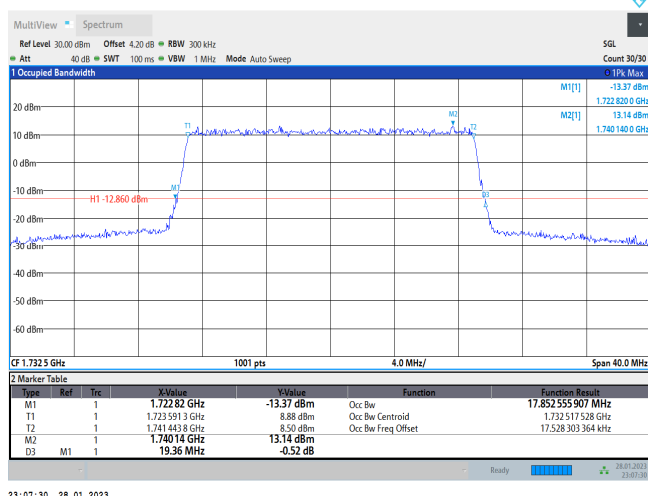


Band4-20MHz-64QAM-20050-100RB#0



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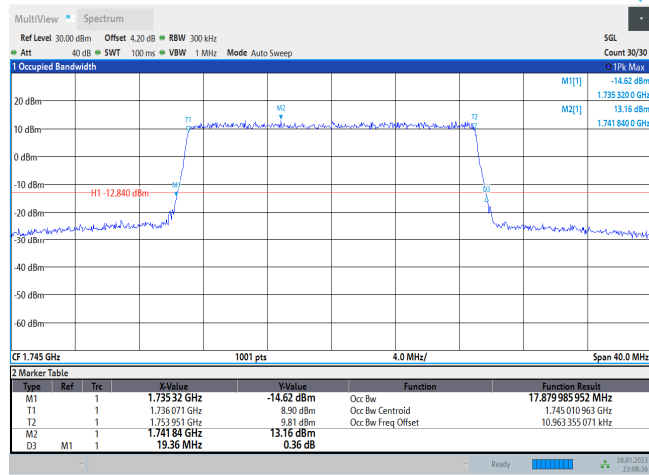


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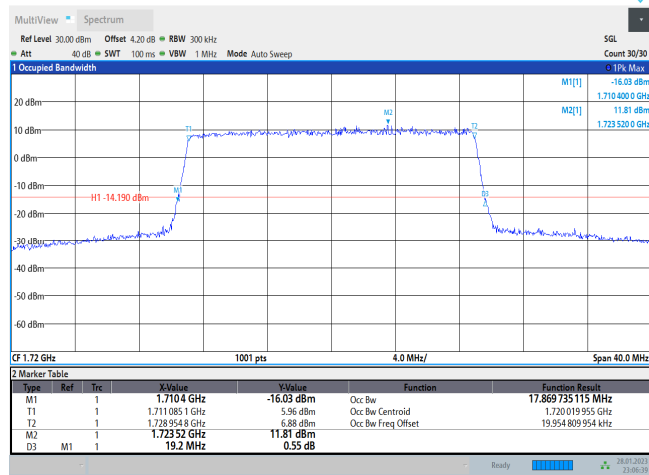
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Band4-20MHz-64QAM-20300-100RB#0



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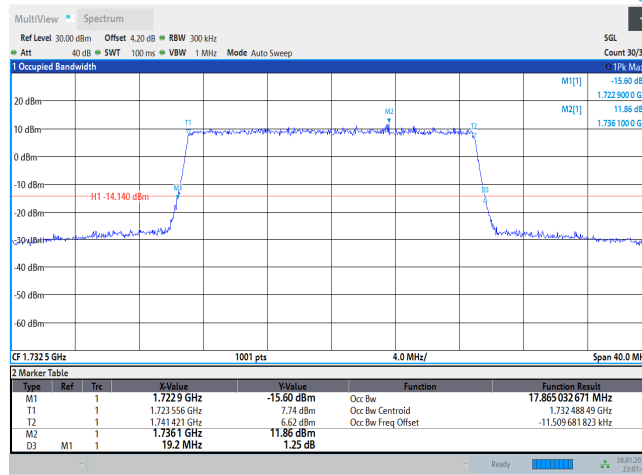


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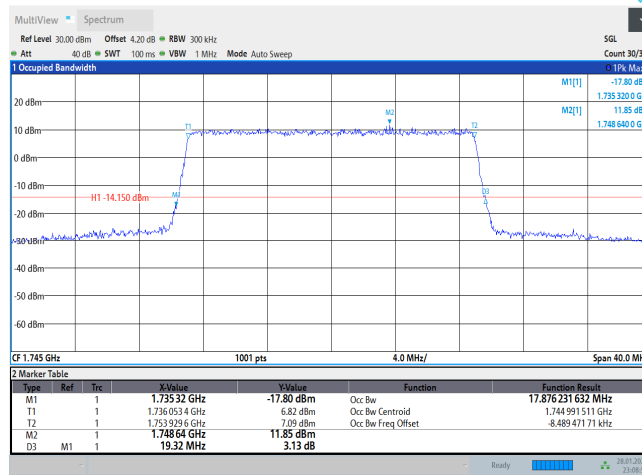
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Band4-20MHz-256QAM-20175-100RB#0



23:07:46 28.01.2023

Band4-20MHz-256QAM-20300-100RB#0



23:08:53 28.01.2023

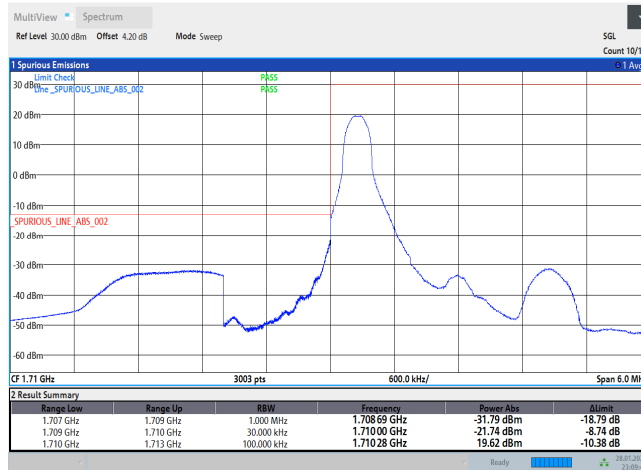


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## Band Edge

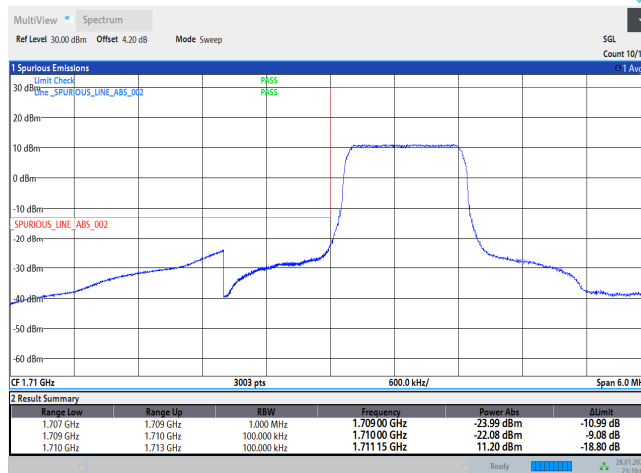
## Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



23:09:41 28.01.2023

Band4-1.4MHz-QPSK-19957-6RB#0



23:10:04 28.01.2023

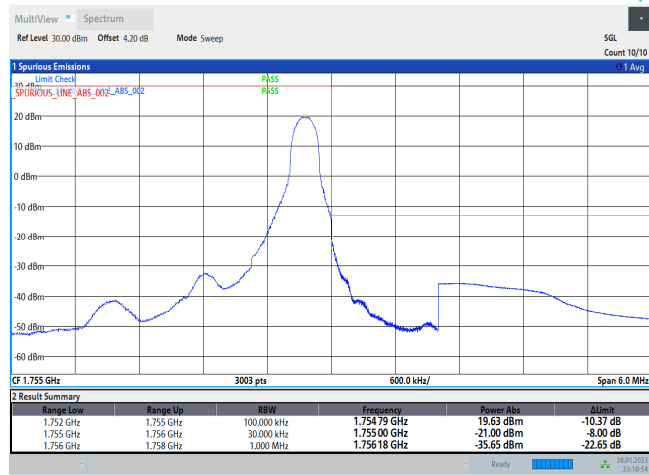


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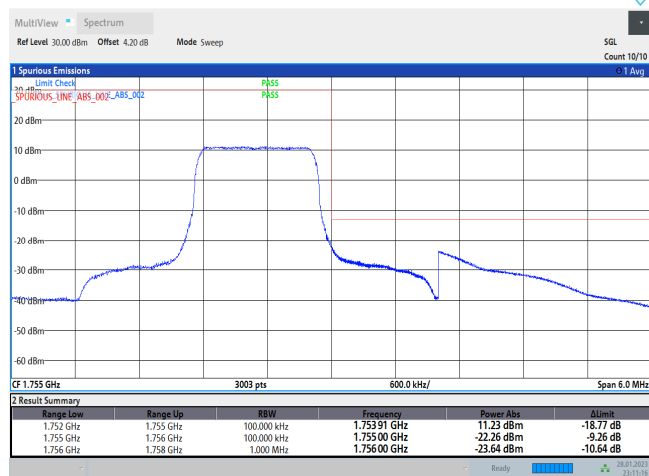
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Band4-1.4MHz-QPSK-20393-1RB#5



23:10:54 28.01.2023

Band4-1.4MHz-QPSK-20393-6RB#0



23:11:17 28.01.2023

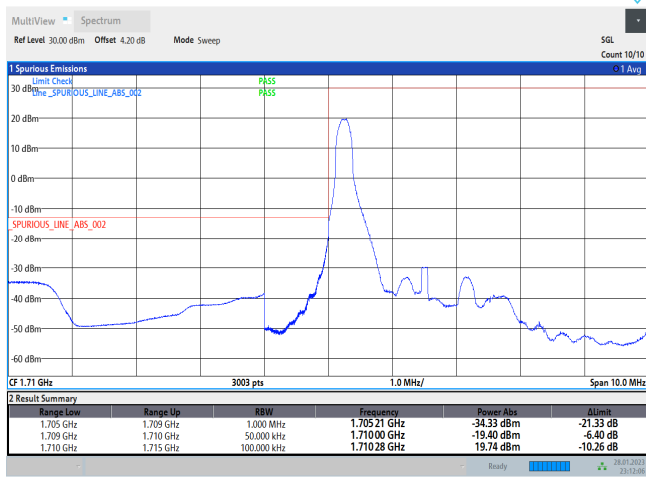


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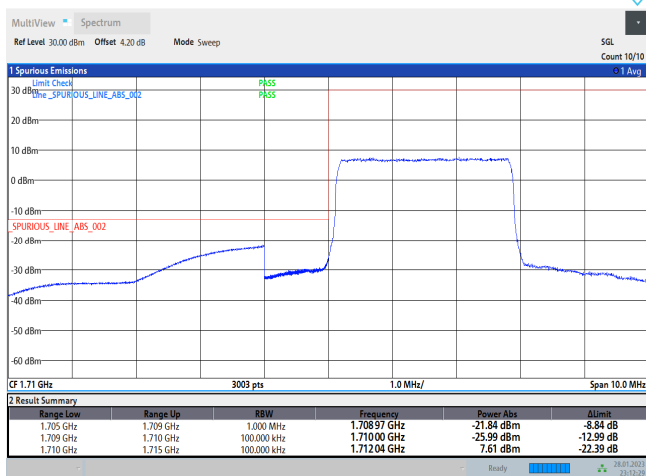
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Band4-3MHz-QPSK-19965-1RB#0



23:12:07 28.01.2023

Band4-3MHz-QPSK-19965-15RB#0

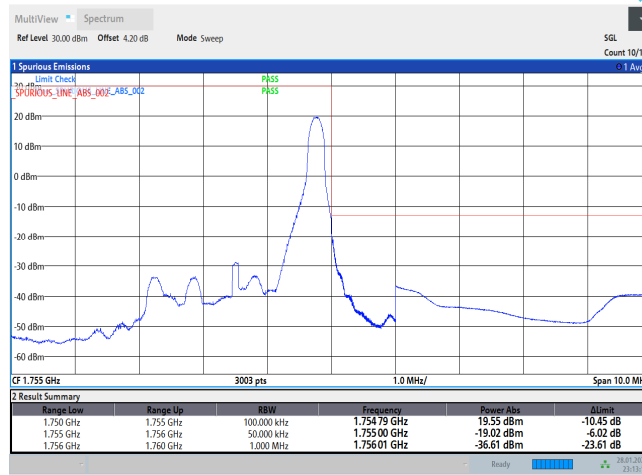


23:12:30 28.01.2023



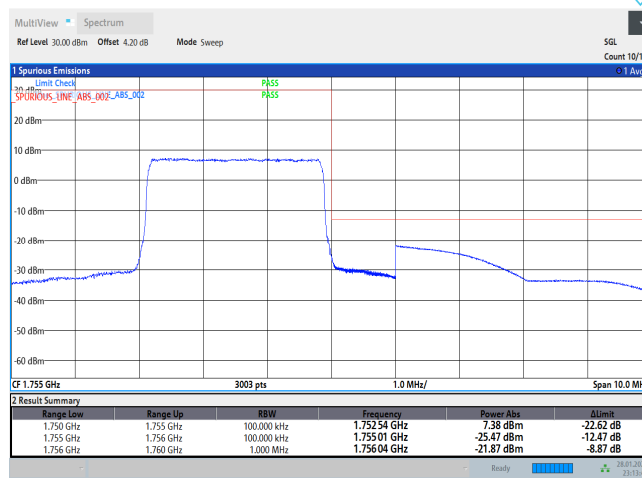
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Band4-3MHz-QPSK-20385-1RB#14



23:13:18 28.01.2023

Band4-3MHz-QPSK-20385-15RB#0



23:13:41 28.01.2023



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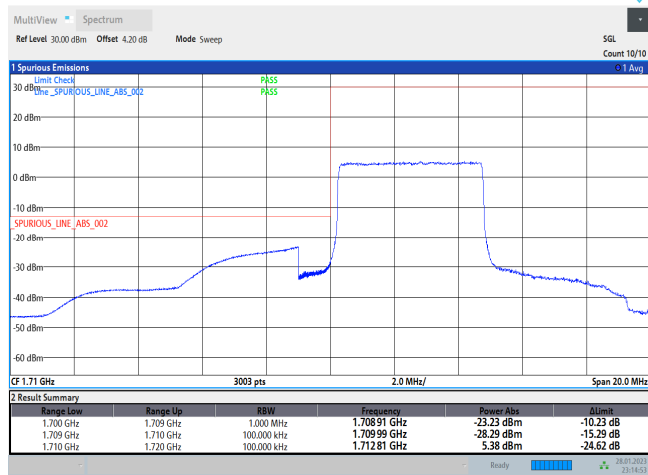
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Band4-5MHz-QPSK-19975-1RB#0



23:14:29 28.01.2023

Band4-5MHz-QPSK-19975-25RB#0



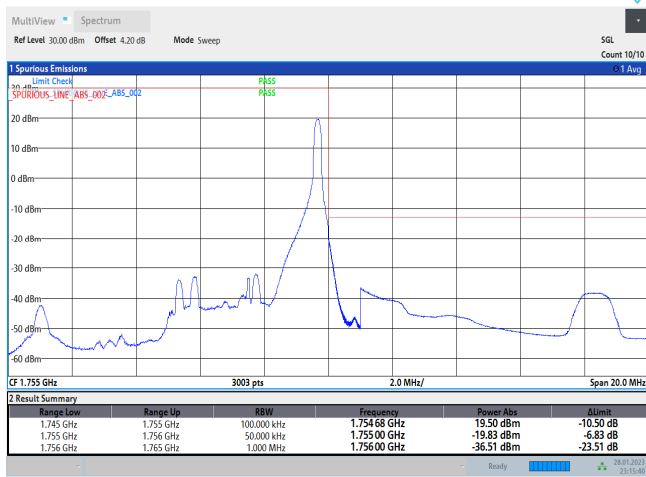
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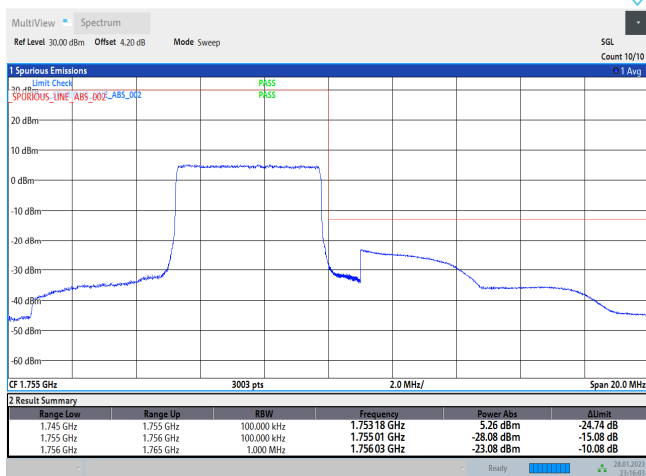


Band4-5MHz-QPSK-20375-1RB#24



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Band4-5MHz-QPSK-20375-25RB#0

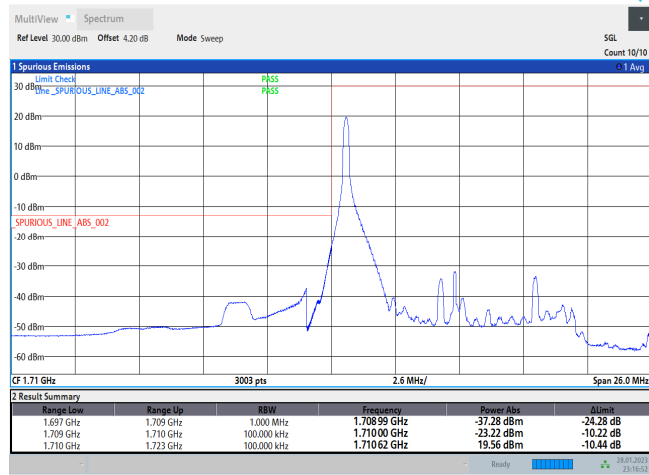


23:16:04 28.01.2023



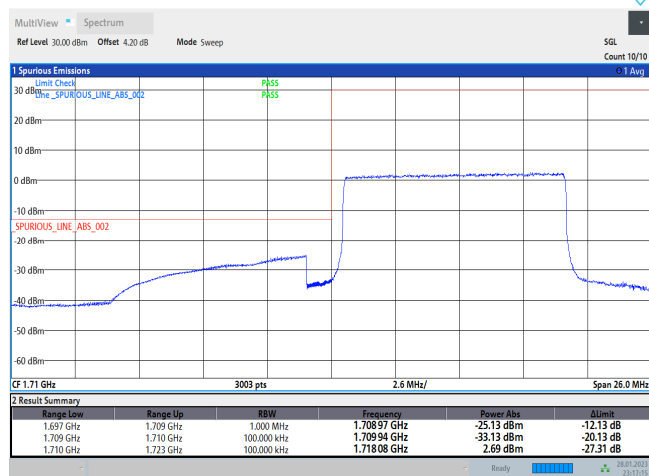
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Band4-10MHz-QPSK-20000-1RB#0



23:16:52 28.01.2023

Band4-10MHz-QPSK-20000-50RB#0



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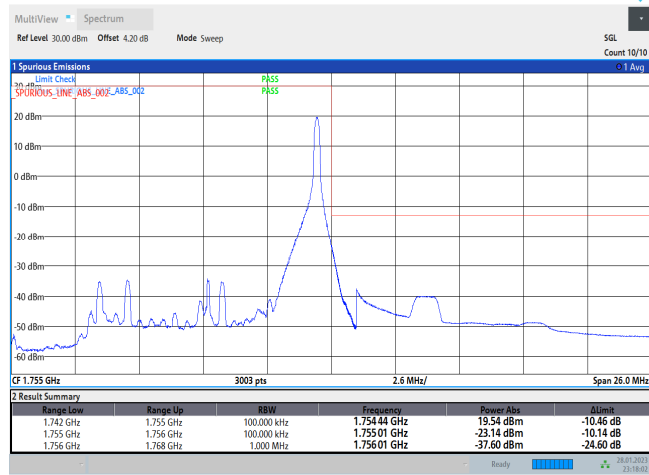


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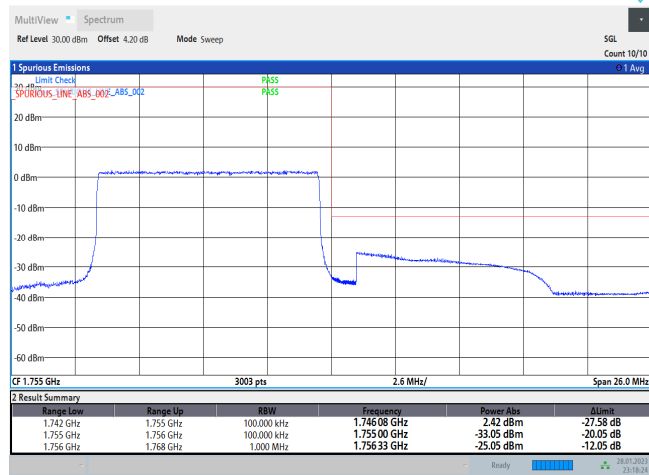
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Band4-10MHz-QPSK-20350-1RB#49



23:18:03 28.01.2023

Band4-10MHz-QPSK-20350-50RB#0



23:18:25 28.01.2023

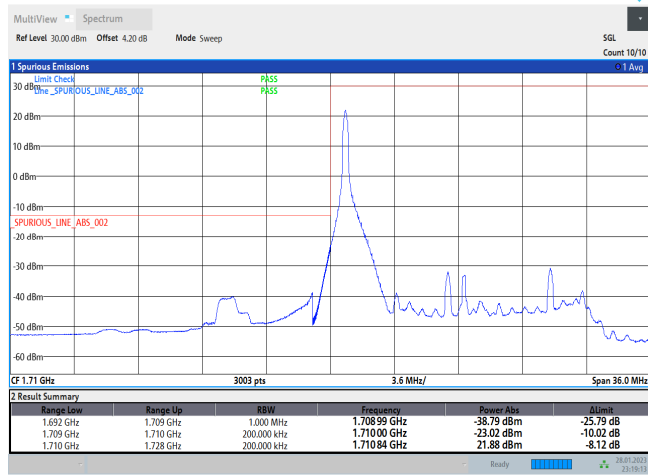


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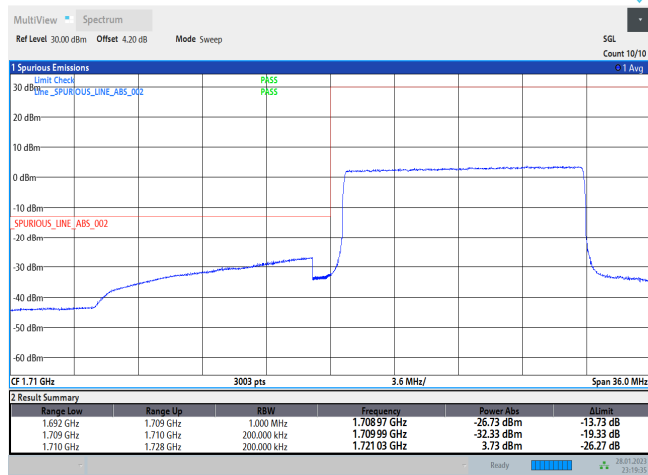
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Band4-15MHz-QPSK-20025-1RB#0



23:19:14 28.01.2023

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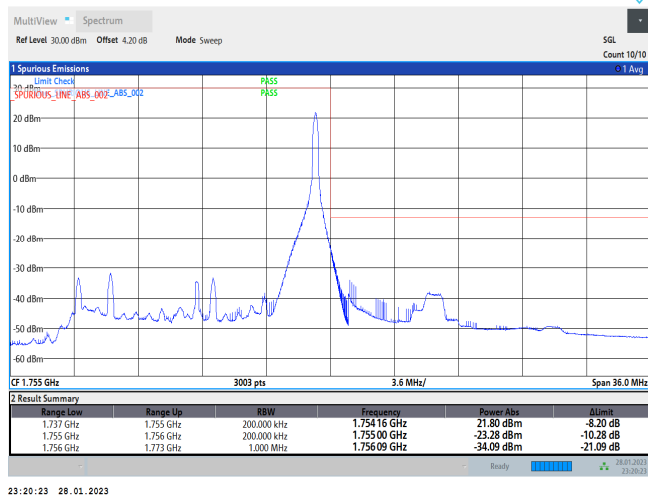


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Band4-15MHz-QPSK-20325-1RB#74



23:20:23 28.01.2023

Band4-15MHz-QPSK-20325-75RB#0

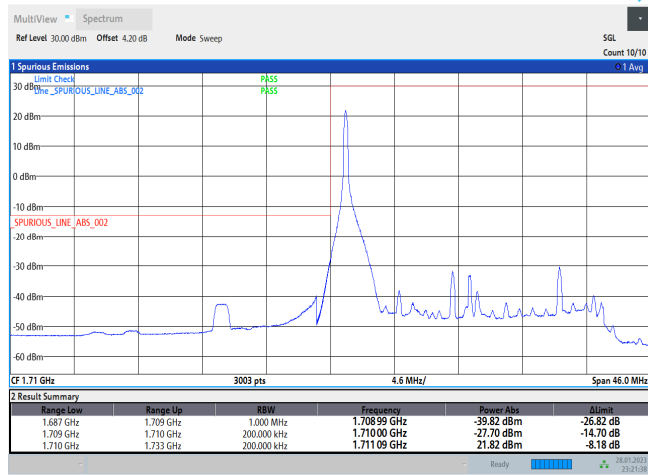


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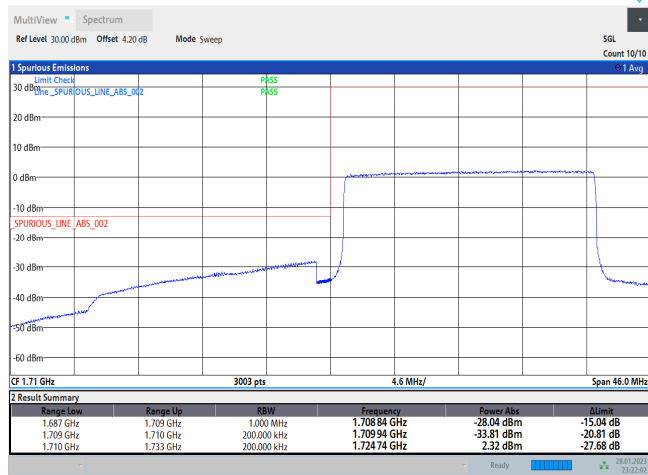
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Band4-20MHz-QPSK-20050-1RB#0



23:21:39 28.01.2023

Band4-20MHz-QPSK-20050-100RB#0

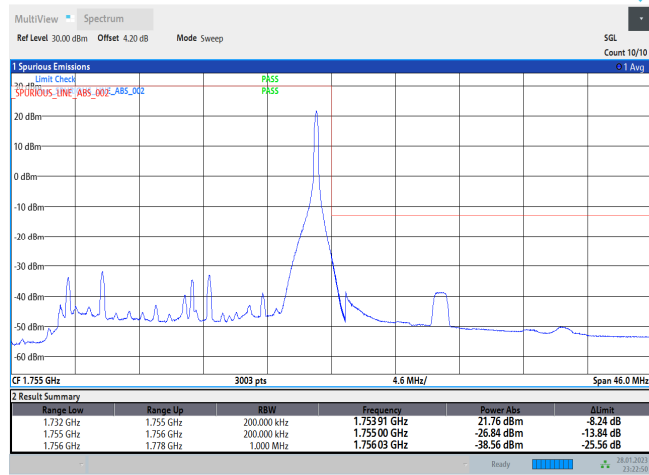


23:22:03 28.01.2023



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Band4-20MHz-QPSK-20300-1RB#99



23:22:50 28.01.2023

Band4-20MHz-QPSK-20300-100RB#0



23:23:14 28.01.2023



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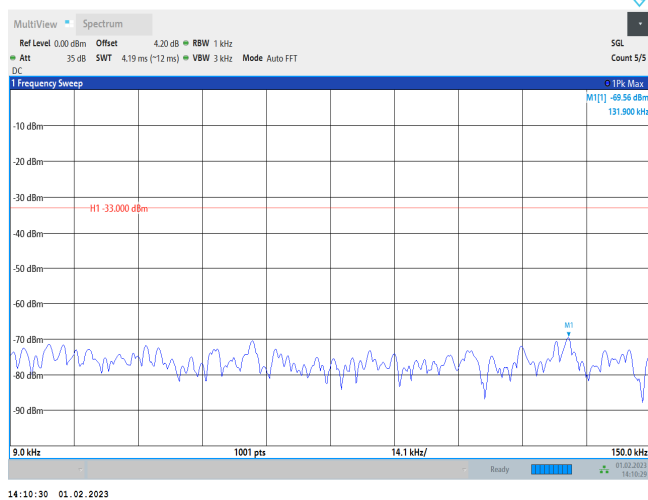
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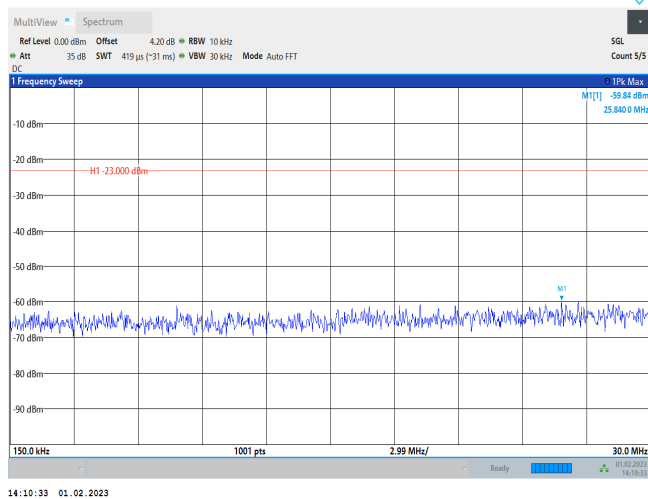
## Conducted Spurious Emission

### Test Graphs

Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz

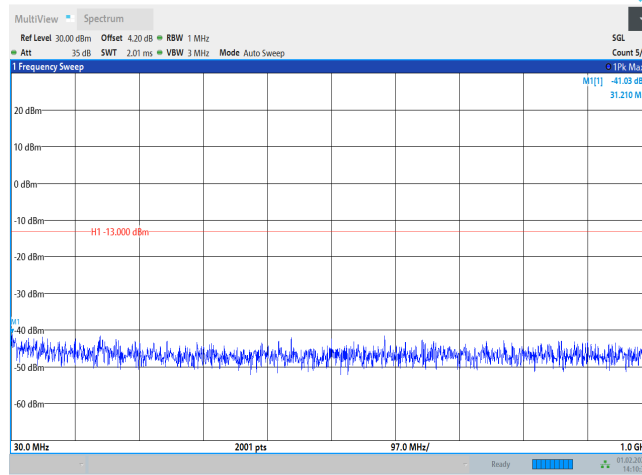


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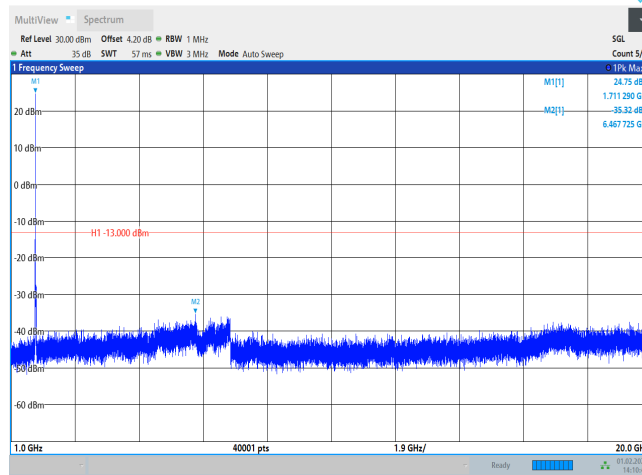


Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



14:10:37 01.02.2023

Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~20000MHz



14:10:42 01.02.2023



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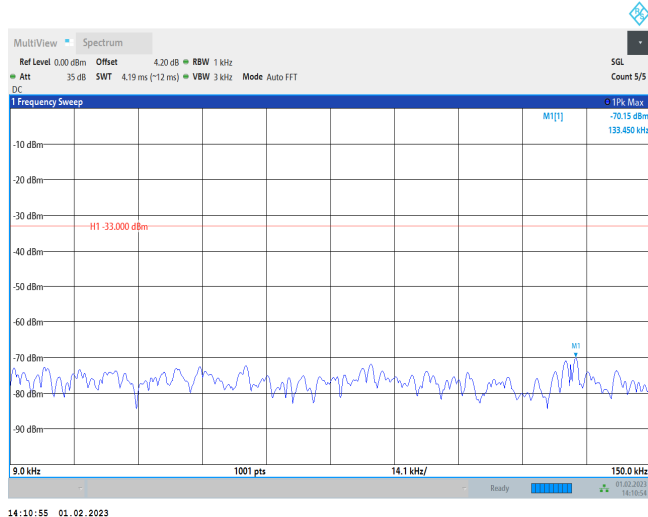
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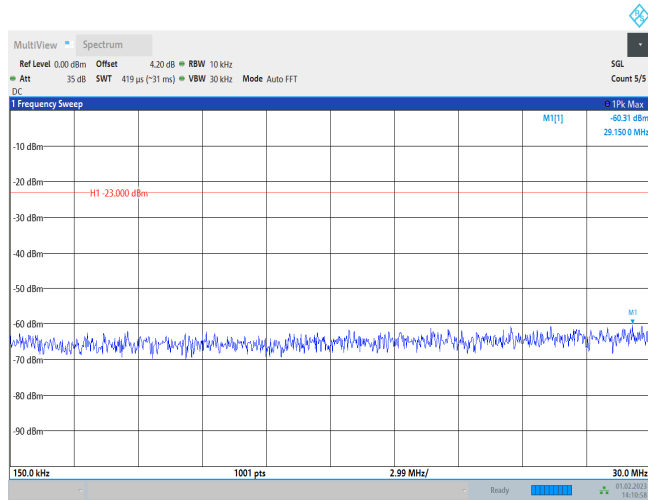
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



14:10:55 01.02.2023

Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



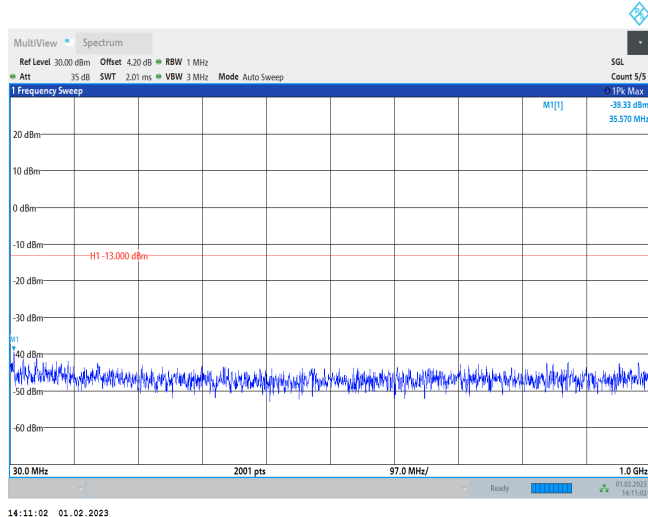
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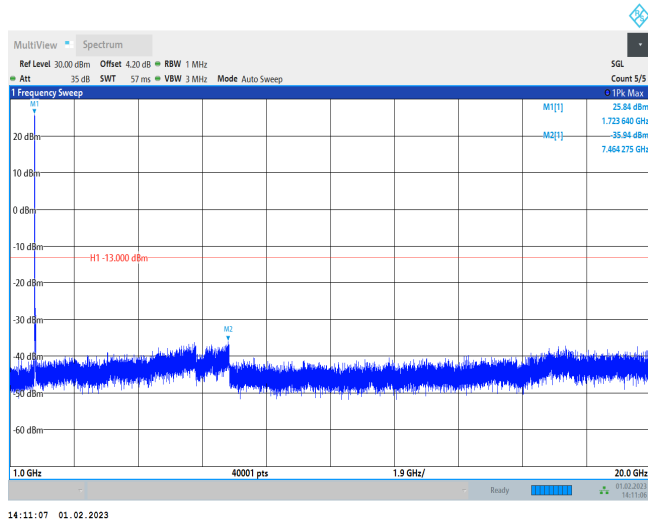
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Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz

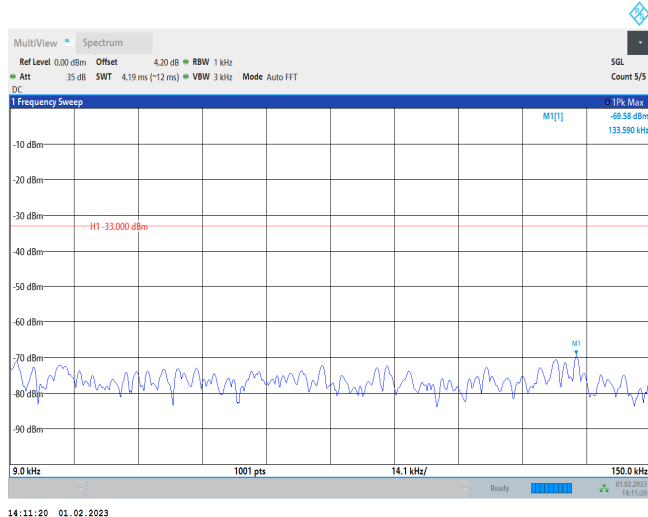


Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~20000MHz



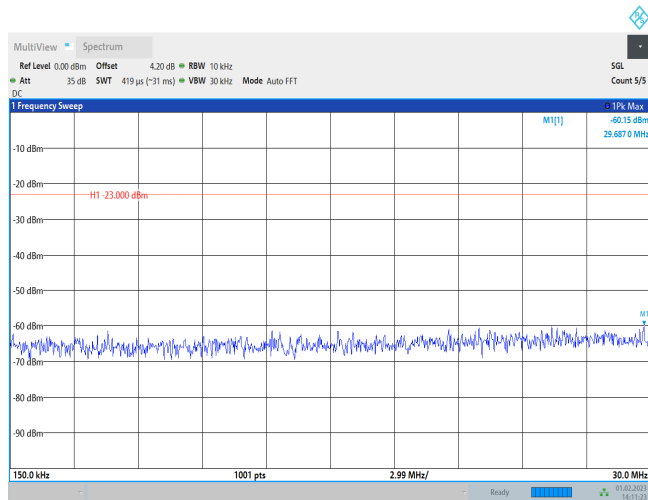
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



14:11:20 01.02.2023

Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz

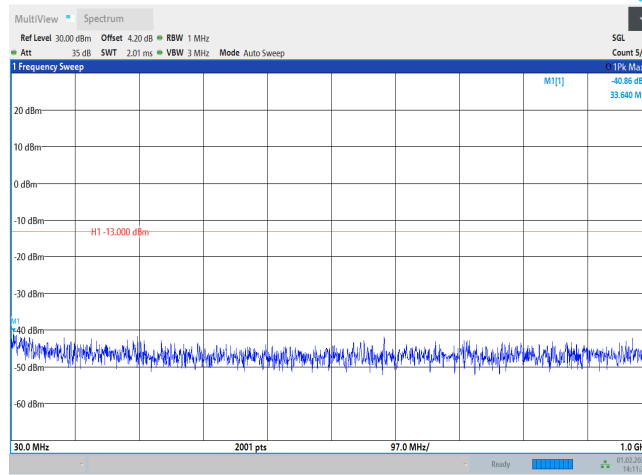


14:11:24 01.02.2023



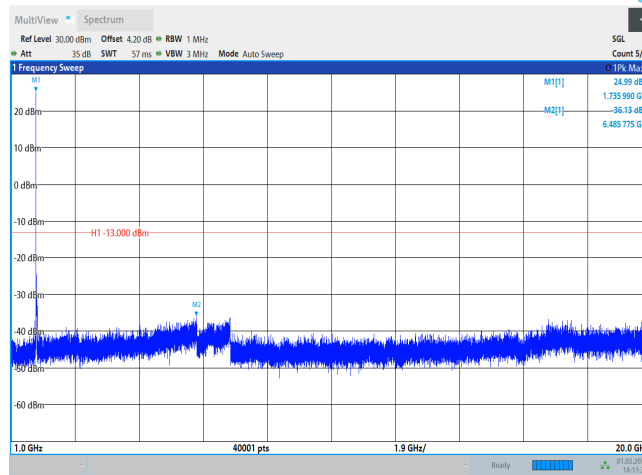
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



14:11:28 01.02.2023

Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~20000MHz



14:11:32 01.02.2023



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## Field Strength of Spurious Radiation

Test Band = LTE Band4\_20MHz\_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	3422.1800	41.38	-46.28	29.45	-70.71	-13.00	57.71	177	330	Horizontal
2	5133.2700	40.19	-45.34	32.95	-67.46	-13.00	54.46	146	142	Horizontal
3	6844.3600	39.87	-44.14	35.89	-63.64	-13.00	50.64	291	209	Horizontal
4	8555.4500	37.88	-41.46	37.66	-61.18	-13.00	48.18	142	4	Horizontal
5	10266.5400	33.25	-39.23	38.83	-62.41	-13.00	49.41	158	225	Horizontal
6	11977.6300	30.60	-37.51	38.95	-63.23	-13.00	50.23	183	301	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	3422.1800	41.82	-46.28	29.45	-70.27	-13.00	57.27	128	317	Vertical
2	5133.2700	39.86	-45.34	32.95	-67.79	-13.00	54.79	145	196	Vertical
3	6844.3600	39.43	-44.14	35.89	-64.08	-13.00	51.08	192	165	Vertical
4	8555.4500	36.65	-41.46	37.66	-62.41	-13.00	49.41	188	210	Vertical
5	10266.5400	33.54	-39.23	38.83	-62.12	-13.00	49.12	176	360	Vertical
6	11977.6300	30.43	-37.51	38.95	-63.40	-13.00	50.40	143	196	Vertical



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**Test Band = LTE Band4\_20MHz\_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	3447.1800	42.00	-46.27	29.47	-70.06	-13.00	57.06	248	343	Horizontal
2	5170.7700	39.58	-45.31	32.97	-68.01	-13.00	55.01	145	118	Horizontal
3	6894.3600	39.97	-44.10	35.95	-63.44	-13.00	50.44	256	270	Horizontal
4	8617.9500	37.49	-41.40	37.78	-61.39	-13.00	48.39	291	3	Horizontal
5	10341.5400	34.52	-39.06	38.85	-60.95	-13.00	47.95	175	284	Horizontal
6	12065.1300	31.19	-37.44	39.02	-62.49	-13.00	49.49	143	330	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	3447.1800	42.17	-46.27	29.47	-69.89	-13.00	56.89	247	318	Vertical
2	5170.7700	40.42	-45.31	32.97	-67.17	-13.00	54.17	125	135	Vertical
3	6894.3600	38.90	-44.10	35.95	-64.51	-13.00	51.51	143	29	Vertical
4	8617.9500	37.01	-41.40	37.78	-61.87	-13.00	48.87	299	197	Vertical
5	10341.5400	34.06	-39.06	38.85	-61.41	-13.00	48.41	184	4	Vertical
6	12065.1300	31.48	-37.44	39.02	-62.20	-13.00	49.20	176	240	Vertical



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**Test Band = LTE Band4\_20MHz\_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	3472.1800	42.05	-46.27	29.50	-69.98	-13.00	56.98	245	135	Horizontal
2	5208.2700	40.51	-45.26	32.98	-67.03	-13.00	54.03	172	318	Horizontal
3	6944.3600	39.66	-43.85	36.01	-63.44	-13.00	50.44	132	344	Horizontal
4	8680.4500	38.36	-41.62	37.88	-60.64	-13.00	47.64	155	227	Horizontal
5	10416.5400	34.12	-38.97	38.88	-61.24	-13.00	48.24	166	152	Horizontal
6	12152.6300	32.39	-37.42	39.09	-61.20	-13.00	48.20	142	318	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	3472.1800	41.92	-46.27	29.50	-70.11	-13.00	57.11	246	165	Vertical
2	5208.2700	40.67	-45.26	32.98	-66.87	-13.00	53.87	125	14	Vertical
3	6944.3600	39.60	-43.85	36.01	-63.50	-13.00	50.50	184	240	Vertical
4	8680.4500	38.27	-41.62	37.88	-60.73	-13.00	47.73	169	74	Vertical
5	10416.5400	33.21	-38.97	38.88	-62.15	-13.00	49.15	185	359	Vertical
6	12152.6300	32.35	-37.42	39.09	-61.24	-13.00	48.24	172	359	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
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	5.00	0.002886	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	6.40	0.003694	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	4.20	0.002424	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	6.50	0.003752	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.50	0.002597	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	6.20	0.003579	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-4.70	-0.002713	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	5.30	0.003059	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	9.40	0.005426	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	3.90	0.002251	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	3.30	0.001905	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	0.40	0.000231	PASS

---End of Attachment---



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

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