

Report No.: SEWA2205000012RG01

Rev.: 01

Page: 1 of 54

Appendix B.2

LTE Band 4



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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	22.75	24.75	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.30	25.30	30	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.18	25.18	30	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.35	24.35	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.25	25.25	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.27	25.27	30	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.20	25.20	30	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.27	24.27	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	23.13	25.13	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.24	25.24	30	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	23.17	25.17	30	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	22.10	24.10	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	22.54	24.54	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.55	24.55	30	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.65	24.65	30	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.29	23.29	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.54	24.54	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.52	24.52	30	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.39	24.39	30	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.33	23.33	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	22.50	24.50	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.53	24.53	30	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	22.41	24.41	30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.20	23.20	30	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.33	25.33	30	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.35	25.35	30	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.17	25.17	30	PASS



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Band4	3MHz	QPSK	19965	15RB#0	22.26	24.26	30	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.31	25.31	30	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.34	25.34	30	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.25	25.25	30	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.25	24.25	30	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.01	25.01	30	PASS
Band4	3MHz	QPSK	20385	1RB#8	23.05	25.05	30	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.98	24.98	30	PASS
Band4	3MHz	QPSK	20385	15RB#0	22.06	24.06	30	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.75	24.75	30	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.62	24.62	30	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.43	24.43	30	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.34	23.34	30	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.48	24.48	30	PASS
Band4	3MHz	16QAM	20175	1RB#8	22.44	24.44	30	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.19	24.19	30	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.24	23.24	30	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.56	24.56	30	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.42	24.42	30	PASS
Band4	3MHz	16QAM	20385	1RB#14	22.05	24.05	30	PASS
Band4	3MHz	16QAM	20385	15RB#0	21.17	23.17	30	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.50	25.50	30	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.31	25.31	30	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.25	25.25	30	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.37	24.37	30	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.40	25.40	30	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.21	25.21	30	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.28	25.28	30	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.27	24.27	30	PASS
Band4	5MHz	QPSK	20375	1RB#0	23.20	25.20	30	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.01	25.01	30	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.21	25.21	30	PASS
Band4	5MHz	QPSK	20375	25RB#0	22.10	24.10	30	PASS



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Band4	5MHz	16QAM	19975	1RB#0	22.78	24.78	30	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.71	24.71	30	PASS
Band4	5MHz	16QAM	19975	1RB#24	22.83	24.83	30	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.33	23.33	30	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.65	24.65	30	PASS
Band4	5MHz	16QAM	20175	1RB#12	22.60	24.60	30	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.56	24.56	30	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.25	23.25	30	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.59	24.59	30	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.42	24.42	30	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.19	24.19	30	PASS
Band4	5MHz	16QAM	20375	25RB#0	21.12	23.12	30	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.50	25.50	30	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.27	25.27	30	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.73	25.73	30	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.46	24.46	30	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.52	25.52	30	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.06	25.06	30	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.61	25.61	30	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.38	24.38	30	PASS
Band4	10MHz	QPSK	20350	1RB#0	23.34	25.34	30	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.07	25.07	30	PASS
Band4	10MHz	QPSK	20350	1RB#49	23.45	25.45	30	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.18	24.18	30	PASS
Band4	10MHz	16QAM	20000	1RB#0	23.04	25.04	30	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.52	24.52	30	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.89	24.89	30	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.42	23.42	30	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.93	24.93	30	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.26	24.26	30	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.96	24.96	30	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.31	23.31	30	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.63	24.63	30	PASS



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Band4	10MHz	16QAM	20350	1RB#24	22.23	24.23	30	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.71	24.71	30	PASS
Band4	10MHz	16QAM	20350	50RB#0	21.11	23.11	30	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.43	25.43	30	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.23	25.23	30	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.18	25.18	30	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.25	24.25	30	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.07	25.07	30	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.18	25.18	30	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.35	25.35	30	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.09	24.09	30	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.92	24.92	30	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.91	24.91	30	PASS
Band4	15MHz	QPSK	20325	1RB#74	23.00	25.00	30	PASS
Band4	15MHz	QPSK	20325	75RB#0	22.02	24.02	30	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.68	24.68	30	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.67	24.67	30	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.52	24.52	30	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.23	23.23	30	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.55	24.55	30	PASS
Band4	15MHz	16QAM	20175	1RB#38	22.62	24.62	30	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.44	24.44	30	PASS
Band4	15MHz	16QAM	20175	75RB#0	21.14	23.14	30	PASS
Band4	15MHz	16QAM	20325	1RB#0	22.30	24.30	30	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.32	24.32	30	PASS
Band4	15MHz	16QAM	20325	1RB#74	22.28	24.28	30	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.99	22.99	30	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.04	25.04	30	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.24	25.24	30	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.14	25.14	30	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.07	24.07	30	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.96	24.96	30	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.30	25.30	30	PASS



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Band4	20MHz	QPSK	20175	1RB#99	23.12	25.12	30	PASS
Band4	20MHz	QPSK	20175	100RB#0	22.08	24.08	30	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.82	24.82	30	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.14	25.14	30	PASS
Band4	20MHz	QPSK	20300	1RB#99	23.01	25.01	30	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.02	24.02	30	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.48	24.48	30	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.39	24.39	30	PASS
Band4	20MHz	16QAM	20050	1RB#99	22.51	24.51	30	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.11	23.11	30	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.21	24.21	30	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.40	24.40	30	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.36	24.36	30	PASS
Band4	20MHz	16QAM	20175	100RB#0	21.02	23.02	30	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.09	24.09	30	PASS
Band4	20MHz	16QAM	20300	1RB#49	22.28	24.28	30	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.54	24.54	30	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.00	23.00	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	7.84	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	7.90	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	7.86	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	8.16	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	8.12	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	8.18	13	PASS



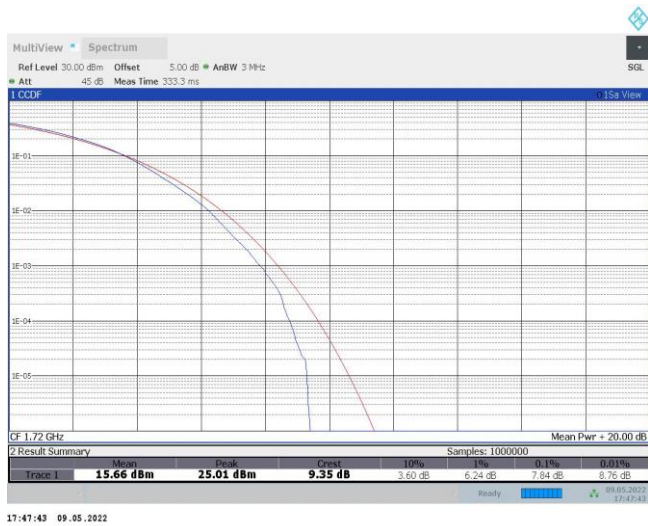
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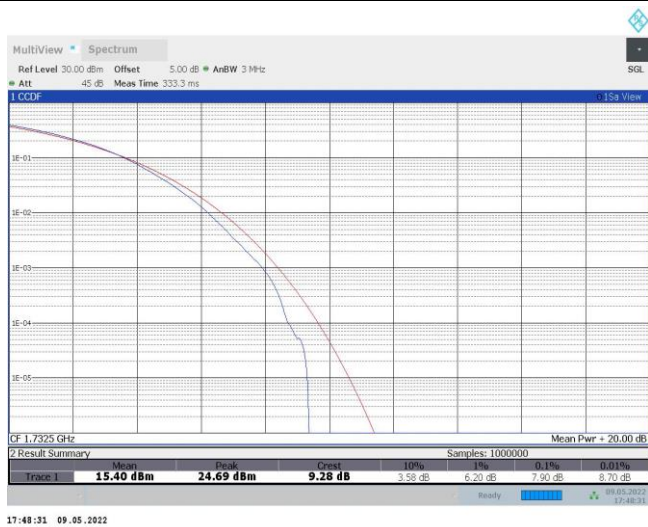
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Test Graphs

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



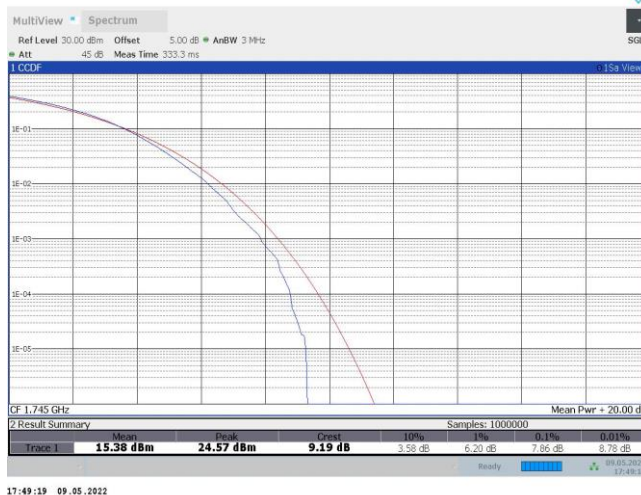
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Band4-20MHz-QPSK-20300-100RB#0



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



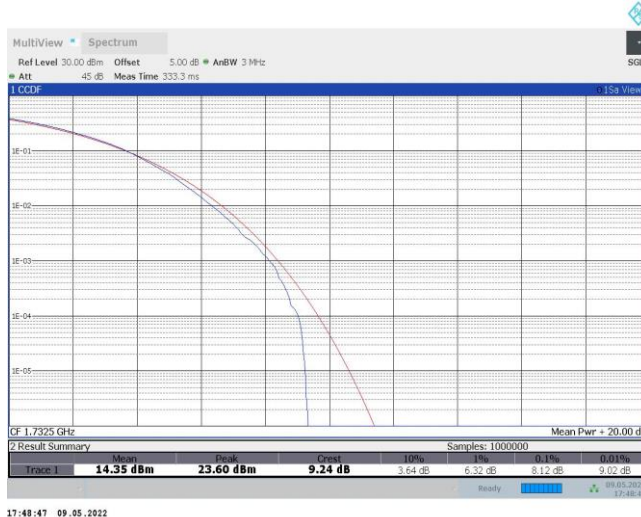
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Band4-20MHz-16QAM-20175-100RB#0



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



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Report No.: SEWA2205000012RG01

Rev.: 01

Page: 11 of 54

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

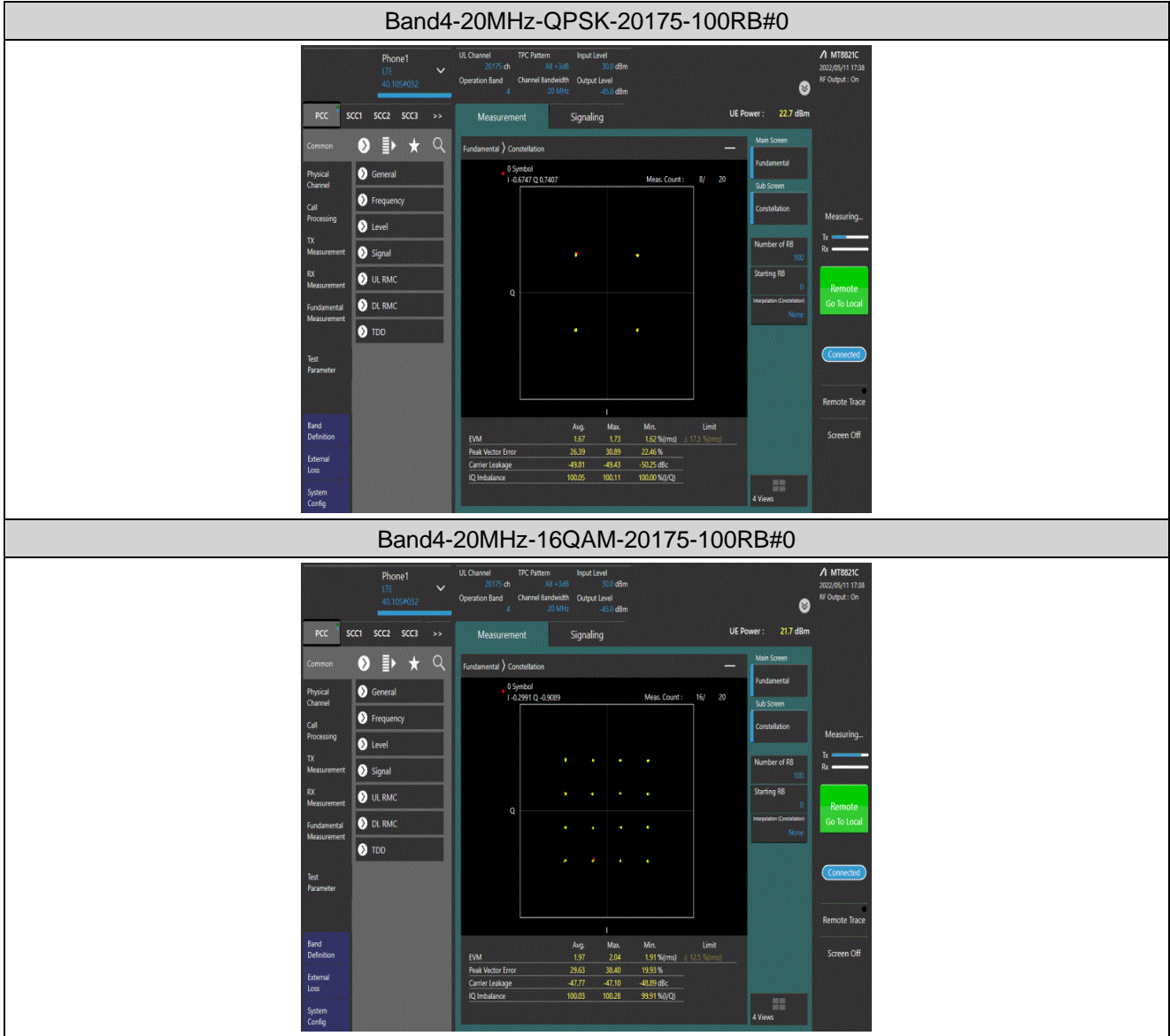


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Test Graphs



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.078	1.24	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.09	1.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.09	1.28	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.099	1.29	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.094	1.30	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.094	1.30	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.694	2.97	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.694	2.97	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.696	2.95	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.688	2.98	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.689	2.98	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.69	2.96	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.47	4.90	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.469	4.92	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.468	4.92	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.466	4.94	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.467	4.93	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.462	4.94	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.923	9.68	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.918	9.66	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.931	9.64	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.906	9.66	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.909	9.68	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.911	9.70	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.467	14.76	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.462	14.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.462	14.73	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.434	14.94	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.438	14.85	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.435	14.76	PASS



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Report No.: SEWA2205000012RG01
Rev.: 01
Page: 14 of 54

Band4	20MHz	QPSK	20050	100RB#0	17.909	19.48	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.947	19.36	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.934	19.40	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.877	19.36	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.878	19.40	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.872	19.44	PASS

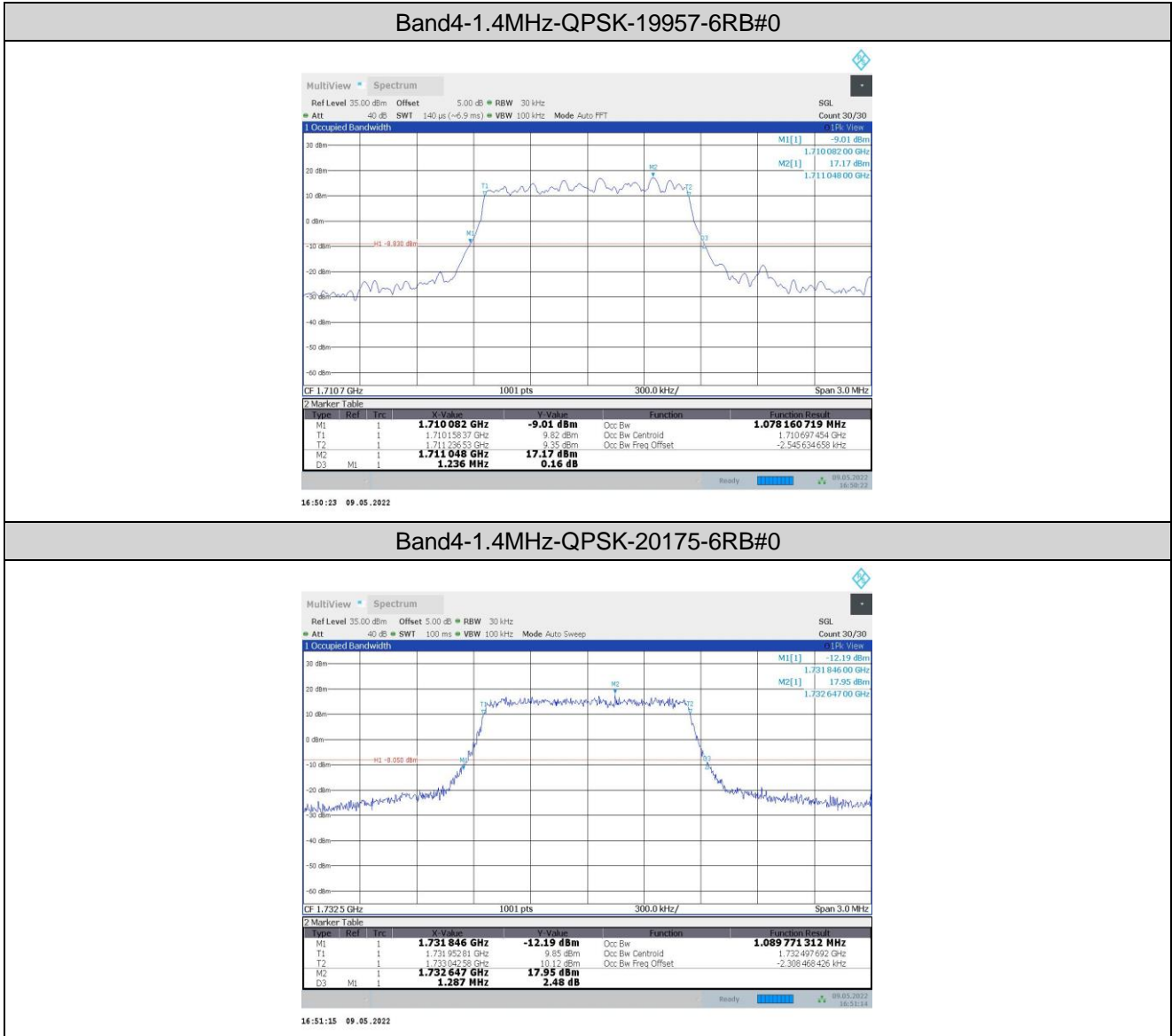


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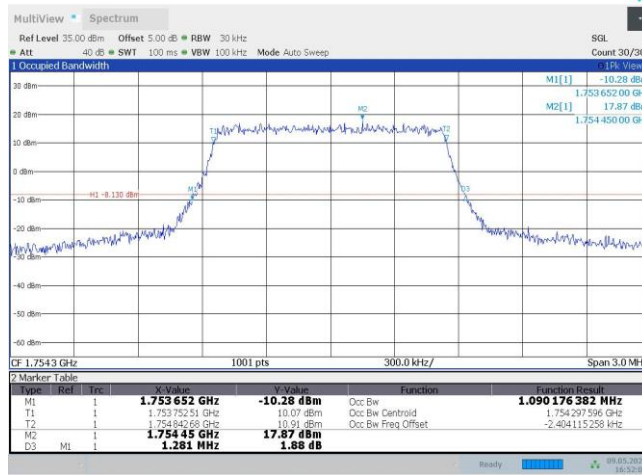
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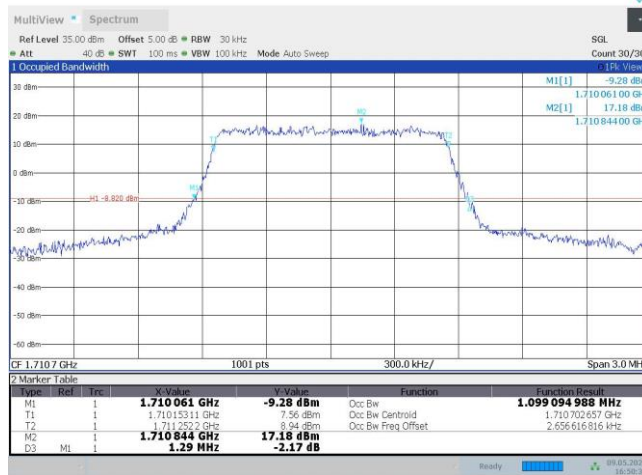
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Band4-1.4MHz-QPSK-20393-6RB#0



16:52:07 09.05.2022

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



16:50:40 09.05.2022

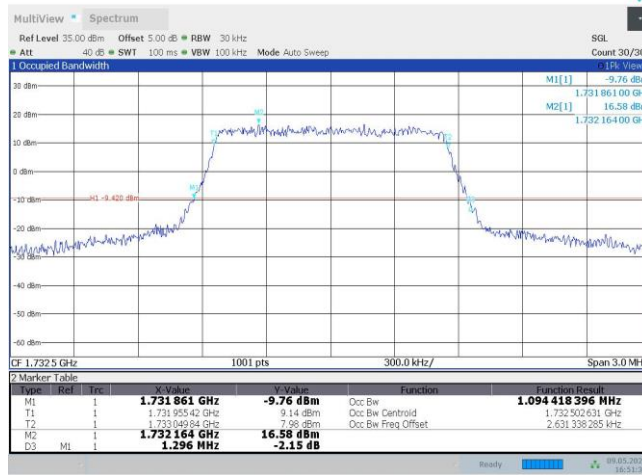


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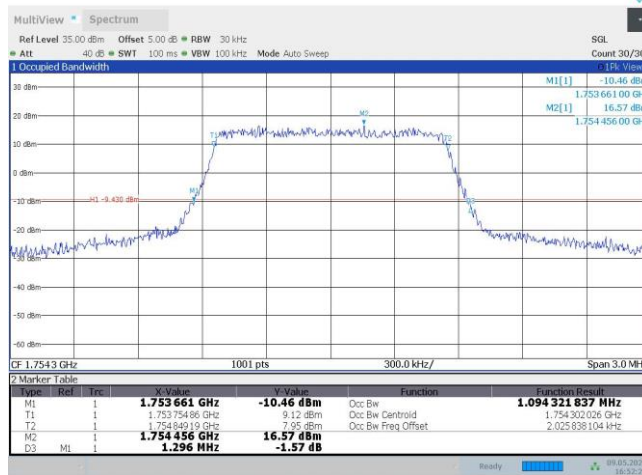
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Band4-1.4MHz-16QAM-20175-6RB#0



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



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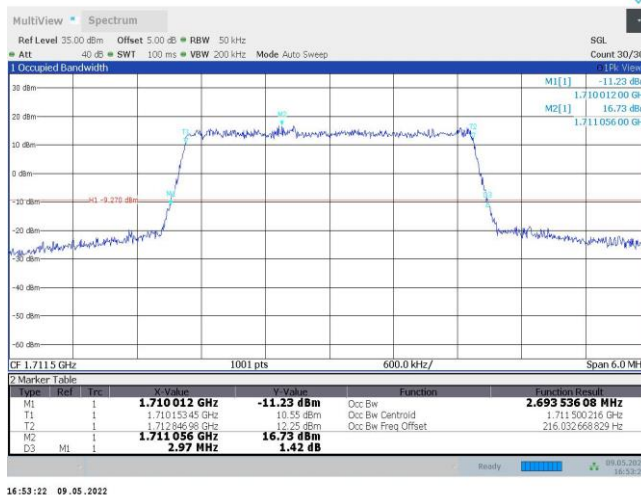


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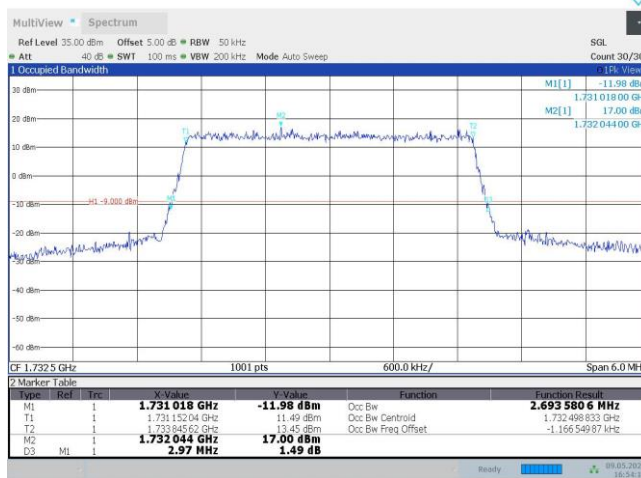
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Band4-3MHz-QPSK-20385-15RB#0



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



16:54:32 09.05.2022

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



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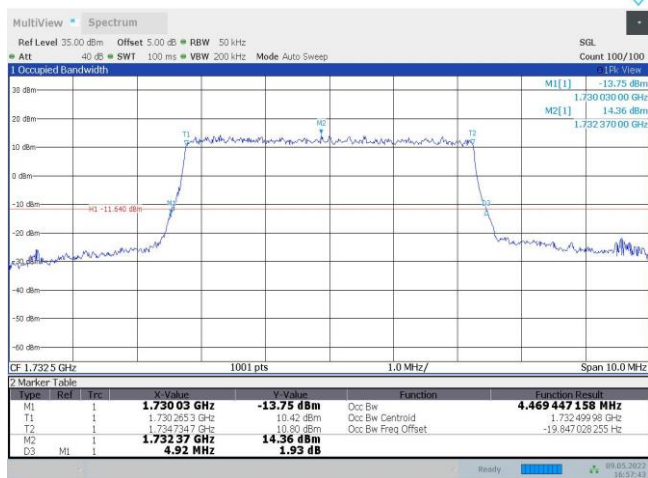
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Band4-5MHz-QPSK-19975-25RB#0



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



16:57:44 09.05.2022



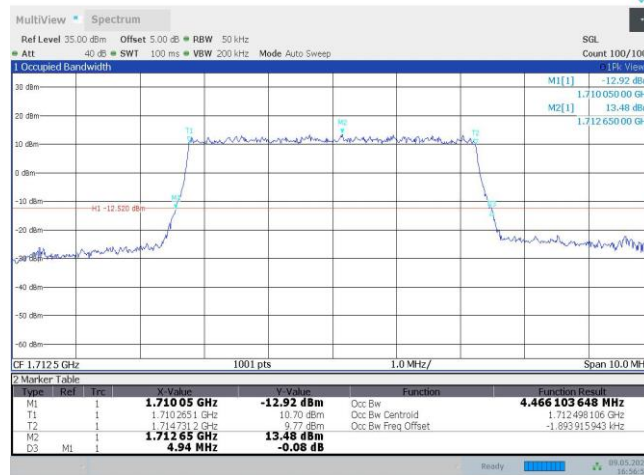
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Band4-5MHz-QPSK-20375-25RB#0



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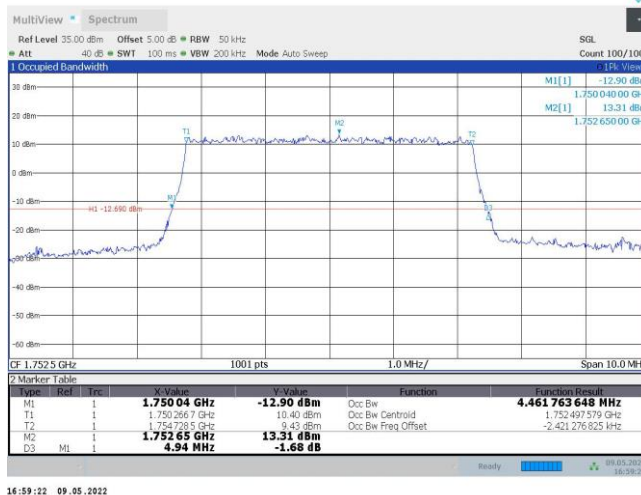
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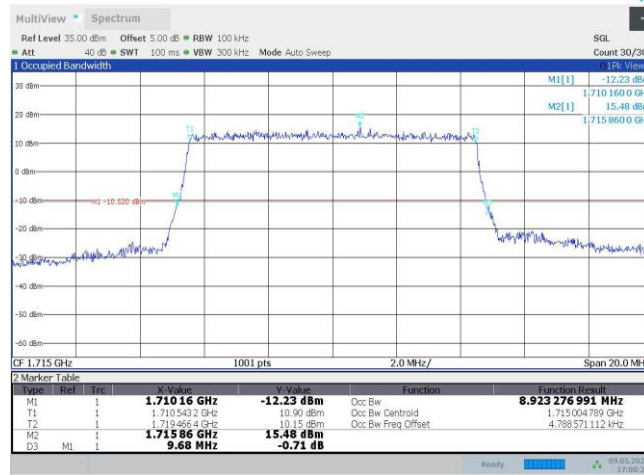


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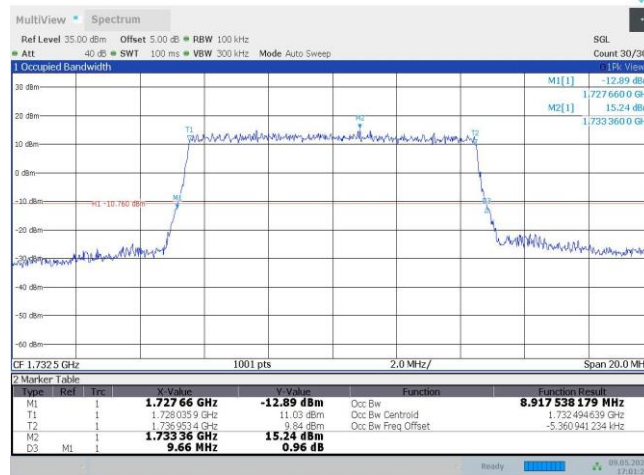
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Band4-10MHz-QPSK-20000-50RB#0



17:00:29 09.05.2022

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



17:01:22 09.05.2022

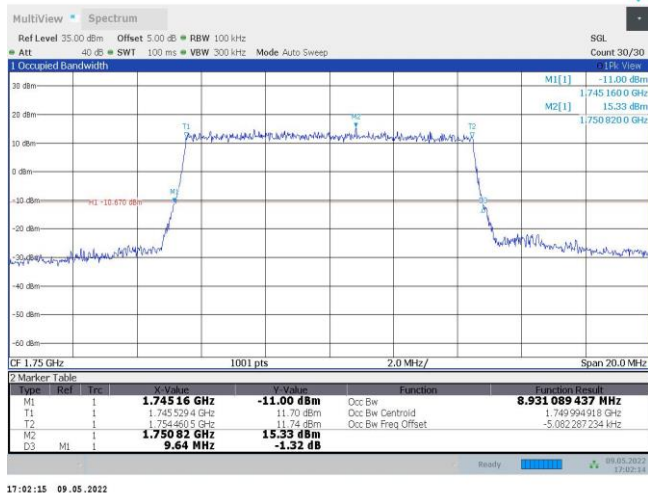


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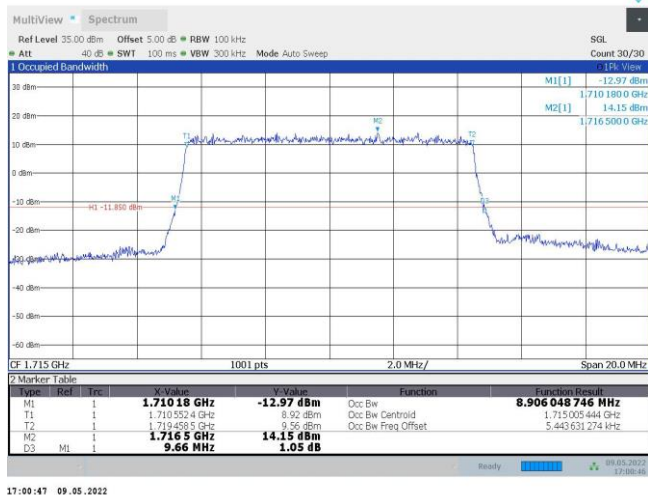
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Band4-10MHz-16QAM-20000-50RB#0

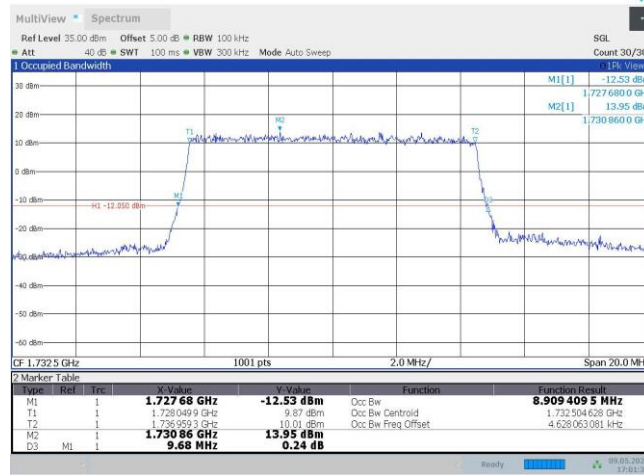


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Band4-10MHz-16QAM-20175-50RB#0



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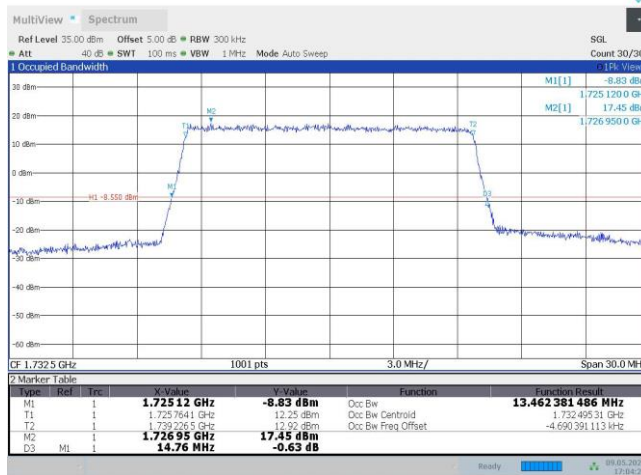
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Band4-20MHz-QPSK-20050-100RB#0



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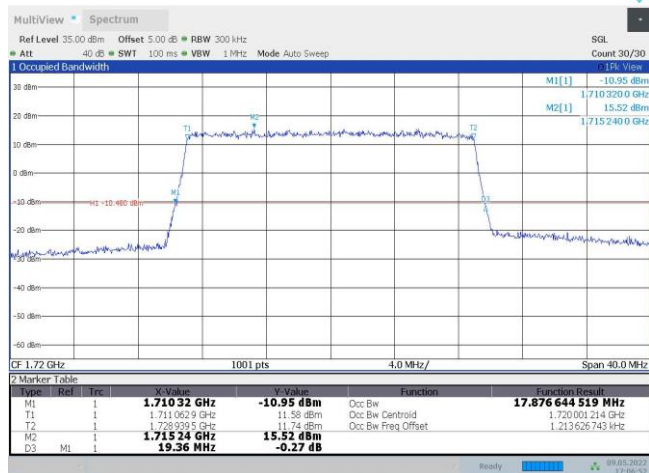
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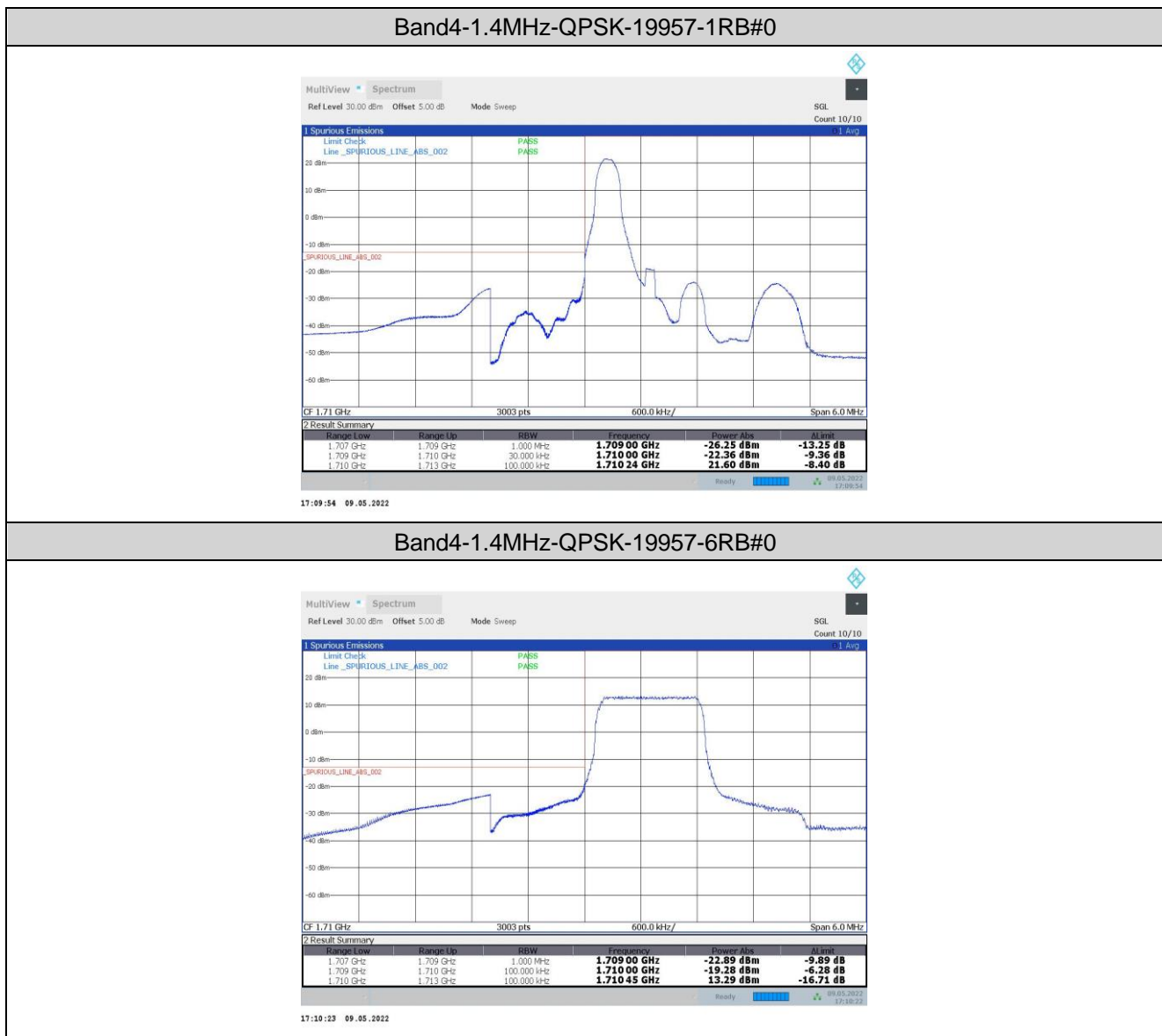
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Band Edge

Test Graphs



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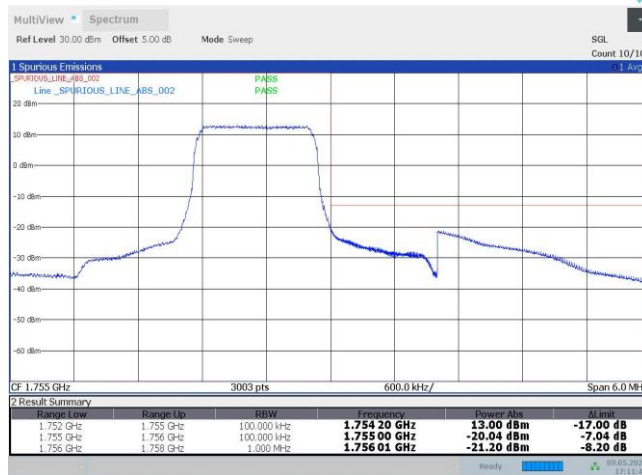
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Band4-1.4MHz-QPSK-20393-1RB#5



17:11:21 09.05.2022

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



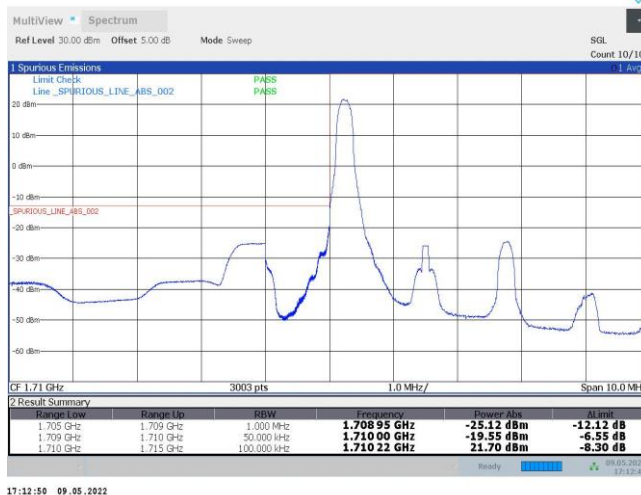
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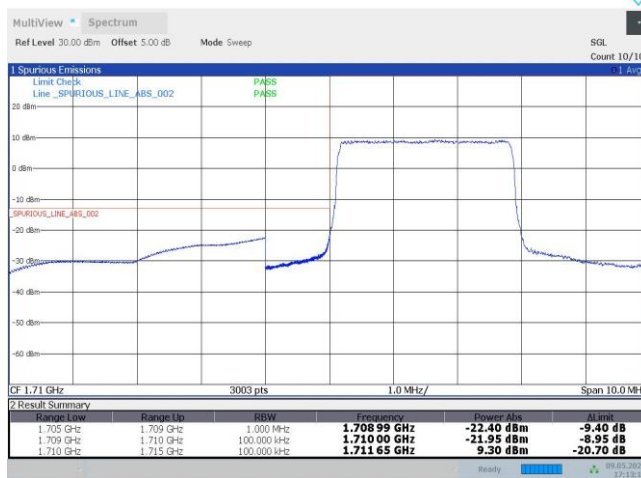
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Band4-3MHz-QPSK-19965-1RB#0



17:12:50 09.05.2022

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



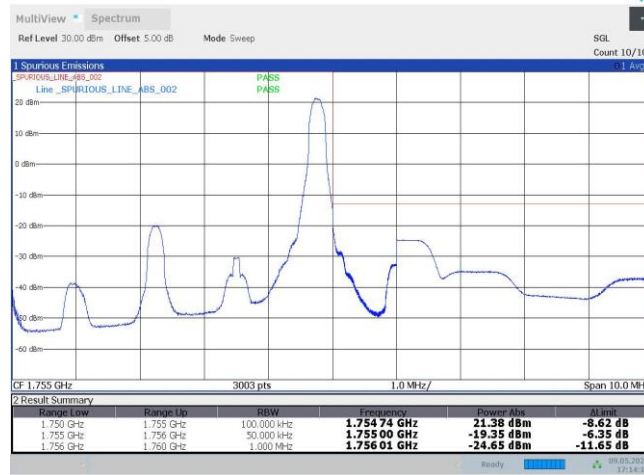
17:13:18 09.05.2022



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



17:14:16 09.05.2022

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



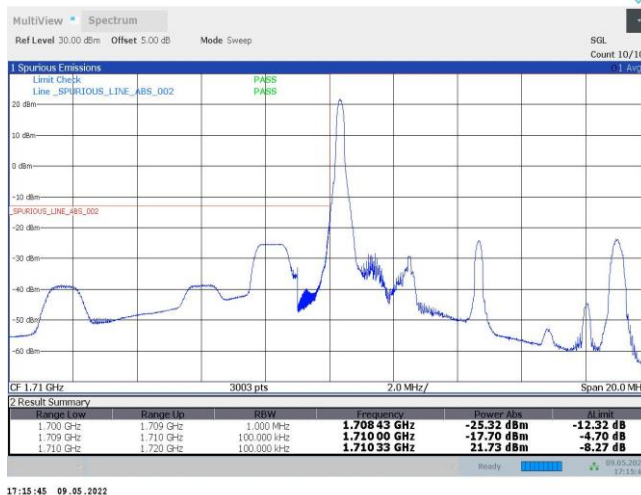
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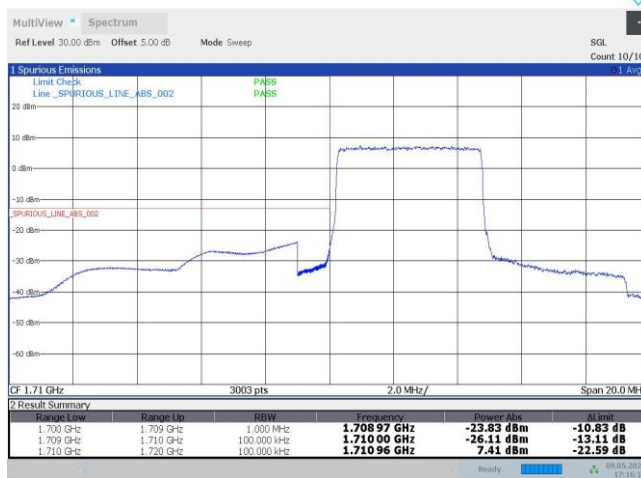
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Band4-5MHz-QPSK-19975-1RB#0



17:15:45 09.05.2022

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



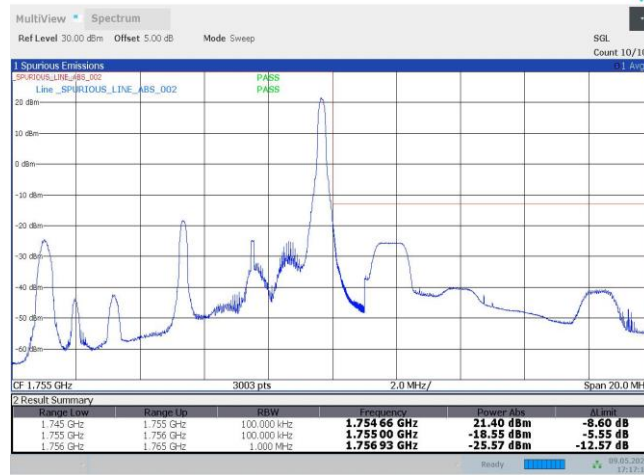
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Band4-5MHz-QPSK-20375-1RB#24



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



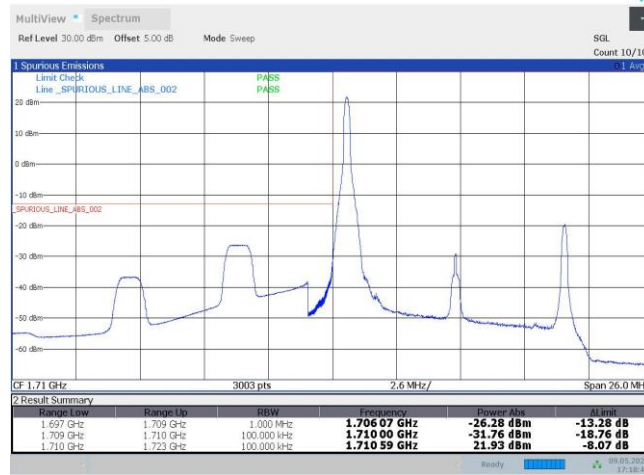
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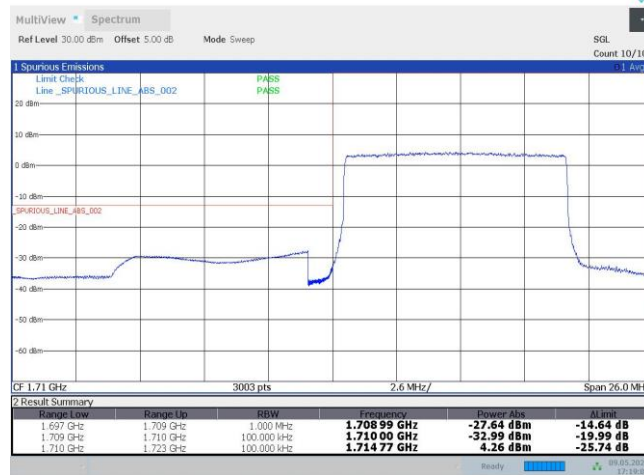
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Band4-10MHz-QPSK-20000-1RB#0



17:18:41 09.05.2022

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



17:19:09 09.05.2022

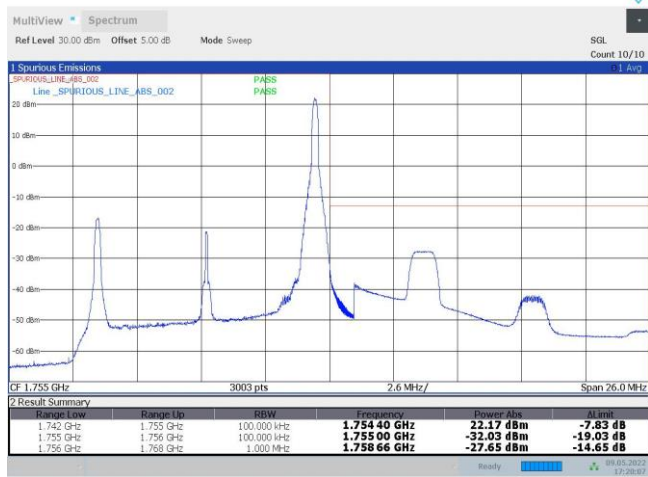


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Band4-10MHz-QPSK-20350-1RB#49



17:20:07 09.05.2022

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



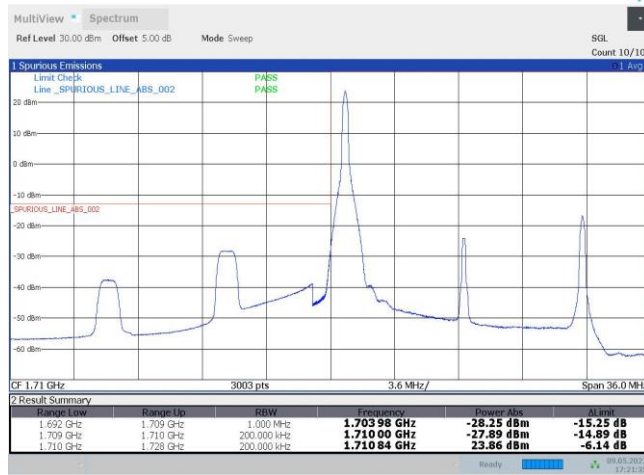
17:20:36 09.05.2022



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



17:21:36 09.05.2022

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



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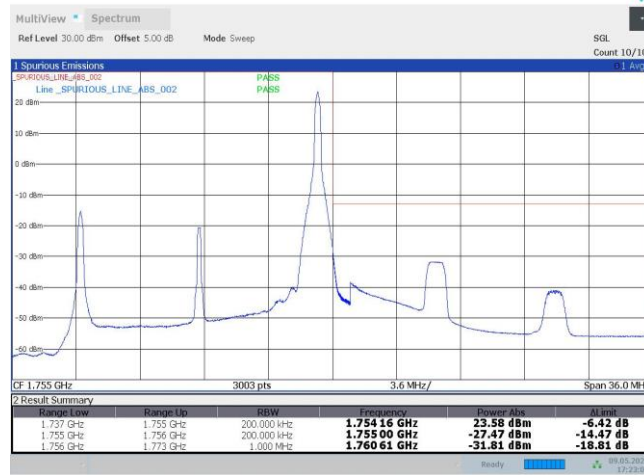


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Band4-15MHz-QPSK-20325-1RB#74



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



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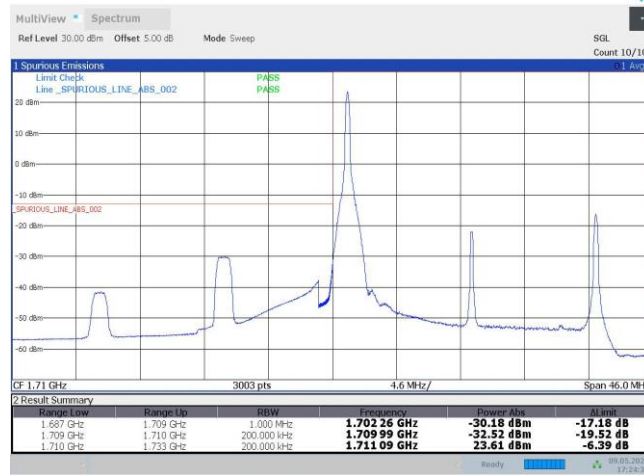


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Band4-20MHz-QPSK-20050-1RB#0



17:24:39 09.05.2022

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



17:25:09 09.05.2022

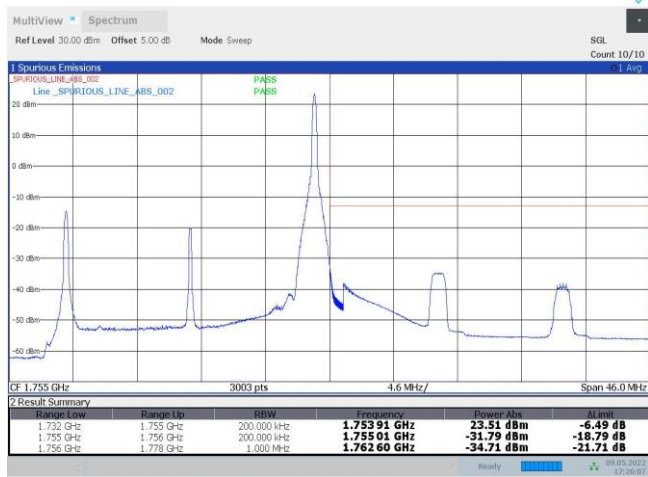


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Band4-20MHz-QPSK-20300-1RB#99



17:24:08 09.05.2022

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



17:24:37 09.05.2022



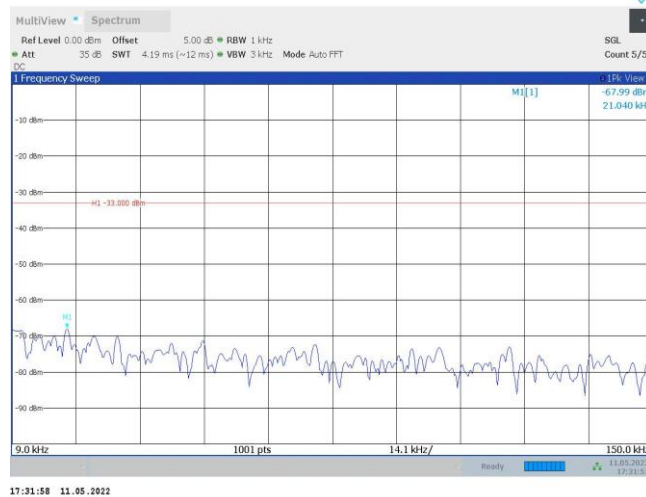
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Conducted Spurious Emission

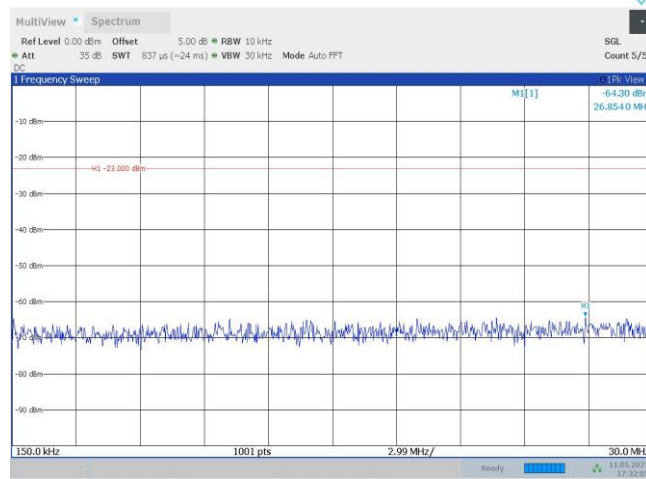
Test Graphs

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



17:31:58 11.05.2022

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



17:32:05 11.05.2022

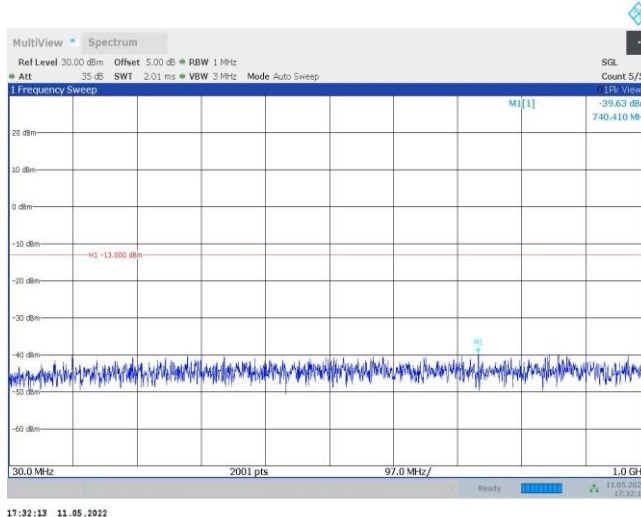


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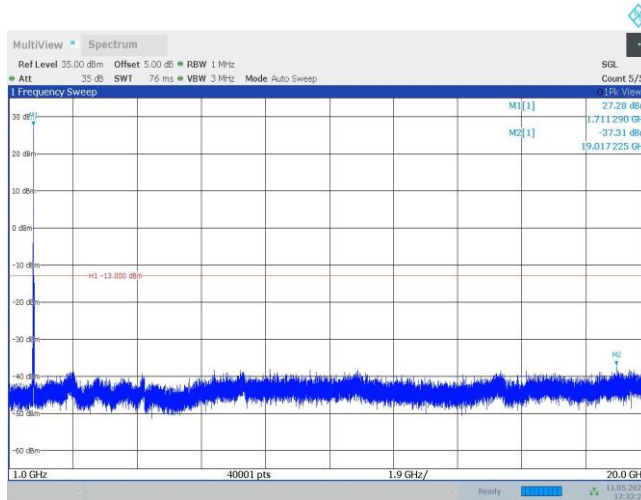
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 t (86-512) 62992980 sgs.china@sgs.com

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



17:32:13 11.05.2022

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

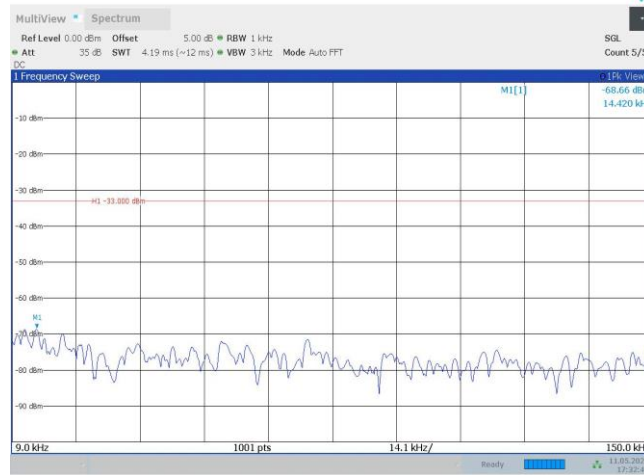


17:32:21 11.05.2022



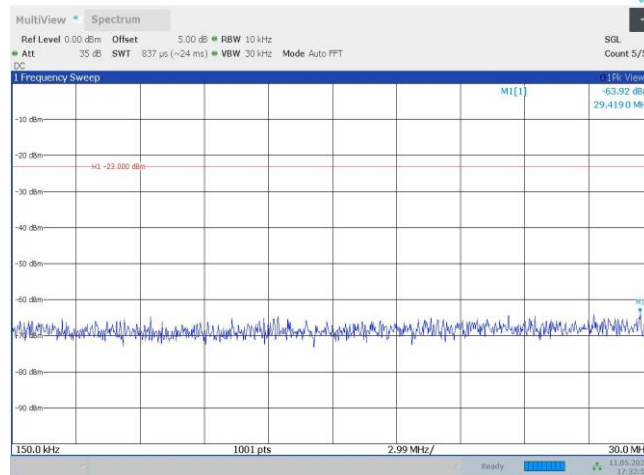
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



17:32:47 11.05.2022

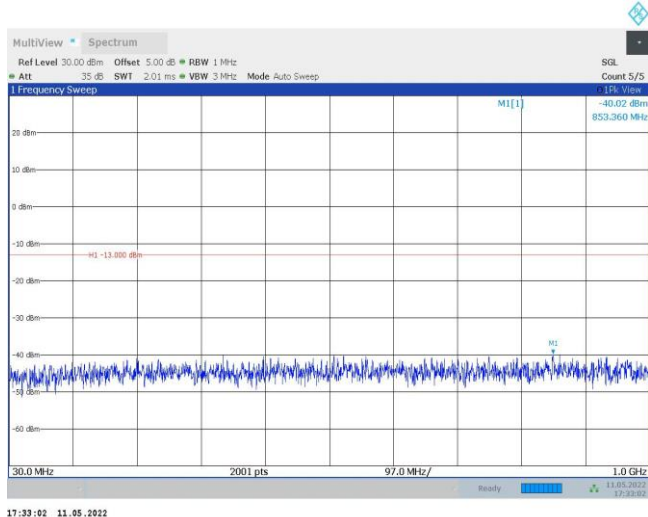
Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



17:32:54 11.05.2022

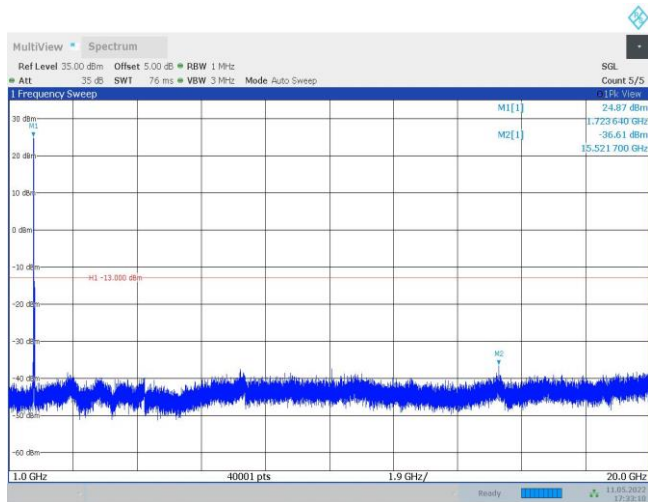


Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



17:33:02 11.05.2022

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



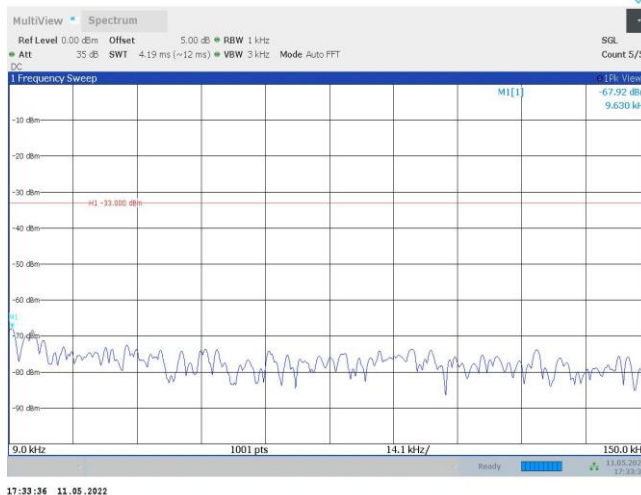
17:33:11 11.05.2022



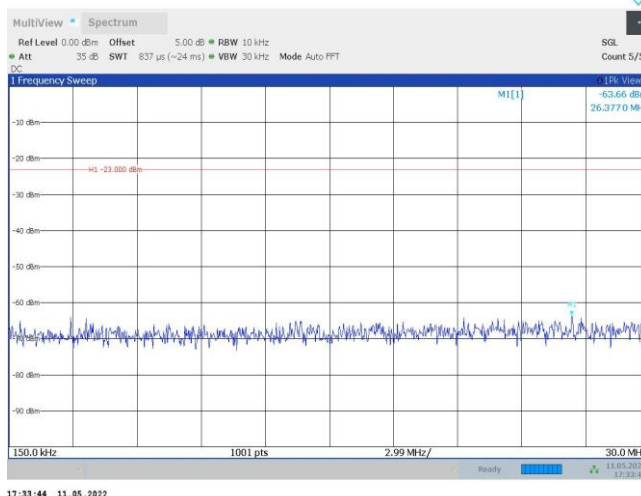
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz

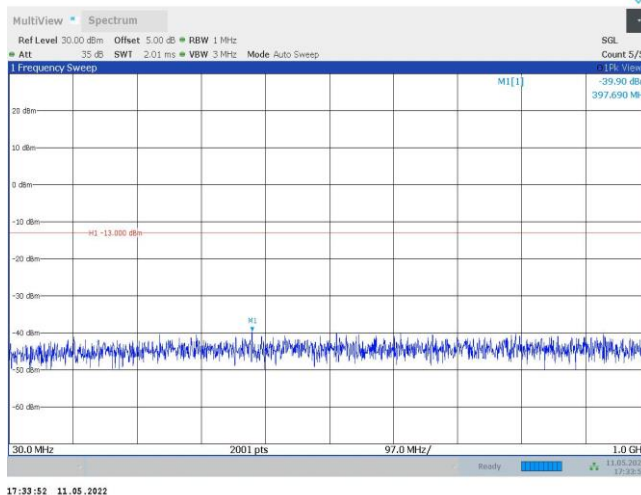


Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



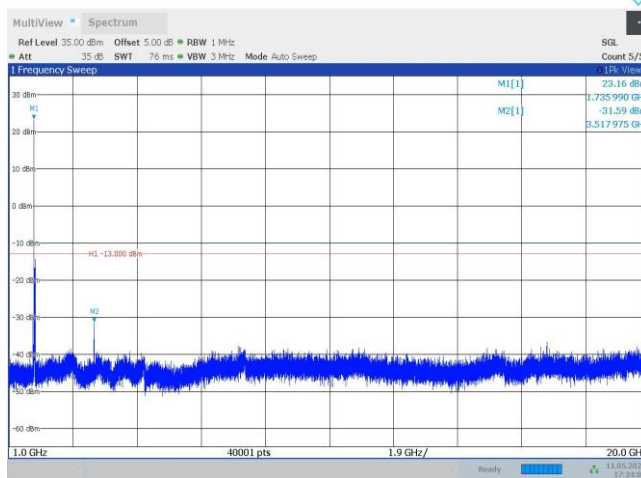
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



17:33:52 11.05.2022

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



17:34:00 11.05.2022



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Field Strength of Spurious Radiation

Test Band = LTE Band 4_ TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	67.87	-112.09	-44.22	-13.00	31.22	145	18	Horizontal
2	5133.2700	50.85	-107.65	-56.80	-13.00	43.80	162	12	Horizontal
3	6844.3600	51.13	-103.51	-52.38	-13.00	39.38	175	255	Horizontal
4	8555.4500	46.95	-99.06	-52.11	-13.00	39.11	236	356	Horizontal
5	10266.5400	47.08	-95.66	-48.58	-13.00	35.58	191	125	Horizontal
6	11977.6300	44.02	-93.83	-49.81	-13.00	36.81	102	333	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	68.53	-112.09	-43.56	-13.00	30.56	154	98	Vertical
2	5133.2700	49.91	-107.65	-57.74	-13.00	44.74	126	154	Vertical
3	6844.3600	50.29	-103.51	-53.22	-13.00	40.22	195	284	Vertical
4	8555.4500	47.80	-99.06	-51.26	-13.00	38.26	174	35	Vertical
5	10266.5400	45.25	-95.66	-50.41	-13.00	37.41	255	13	Vertical
6	11977.6300	45.20	-93.83	-48.63	-13.00	35.63	135	73	Vertical



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Test Band = LTE Band 4_ TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	69.20	-112.06	-42.86	-13.00	29.86	194	48	Horizontal
2	5170.7700	50.88	-107.59	-56.71	-13.00	43.71	172	281	Horizontal
3	6894.3600	49.33	-103.41	-54.08	-13.00	41.08	235	68	Horizontal
4	8617.9500	47.58	-98.88	-51.30	-13.00	38.30	168	183	Horizontal
5	10341.5400	44.26	-95.47	-51.21	-13.00	38.21	190	156	Horizontal
6	12065.1300	43.72	-93.68	-49.96	-13.00	36.96	140	106	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	68.21	-112.06	-43.85	-13.00	30.85	233	86	Vertical
2	5170.7700	50.41	-107.59	-57.18	-13.00	44.18	158	112	Vertical
3	6894.3600	49.65	-103.41	-53.76	-13.00	40.76	196	271	Vertical
4	8617.9500	47.39	-98.88	-51.49	-13.00	38.49	170	136	Vertical
5	10341.5400	45.38	-95.47	-50.09	-13.00	37.09	214	98	Vertical
6	12065.1300	45.41	-93.68	-48.27	-13.00	35.27	203	235	Vertical



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Test Band = LTE Band 4_ TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	68.89	-112.03	-43.14	-13.00	30.14	199	357	Horizontal
2	5208.2700	50.94	-107.54	-56.60	-13.00	43.60	122	346	Horizontal
3	6944.3600	49.62	-103.10	-53.48	-13.00	40.48	215	172	Horizontal
4	8680.4500	46.78	-99.00	-52.22	-13.00	39.22	277	271	Horizontal
5	10416.5400	44.58	-95.36	-50.78	-13.00	37.78	168	184	Horizontal
6	12152.6300	44.85	-93.59	-48.74	-13.00	35.74	199	72	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	65.96	-112.03	-46.07	-13.00	33.07	212	72	Vertical
2	5208.2700	49.87	-107.54	-57.67	-13.00	44.67	301	282	Vertical
3	6944.3600	50.12	-103.10	-52.98	-13.00	39.98	215	307	Vertical
4	8680.4500	48.36	-99.00	-50.64	-13.00	37.64	184	14	Vertical
5	10416.5400	44.51	-95.36	-50.85	-13.00	37.85	197	172	Vertical
6	12152.6300	44.83	-93.59	-48.76	-13.00	35.76	188	165	Vertical



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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	2.10	0.001212	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-1.20	-0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.50	-0.000289	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.30	0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-0.30	-0.000173	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	2.00	0.001154	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.30	0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	1.70	0.000981	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-0.40	-0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-0.20	-0.000115	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	1.20	0.000693	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	1.70	0.000981	PASS

The End



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