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Rev.: 01  
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# Appendix B.2

## LTE Band 4



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Effective (Isotropic) Radiated Power Output Data Test Result

Ant1 (Antenna Gain: 1.1dBi)

Table with 9 columns: Band, Bandwidth, Modulation, Channel, RB Configuration, Result(dBm), EIRP(dBm), Limit(dBm), Verdict. It contains 28 rows of test data for Band4, showing various modulation schemes (QPSK, 16QAM, 64QAM) and RB configurations, all resulting in a 'PASS' verdict.



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	1.4MHz	64QAM	19957	1RB#2	20.30	21.40	30.00	PASS
Band4	1.4MHz	64QAM	19957	1RB#5	20.21	21.31	30.00	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	20.21	21.31	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	20.30	21.40	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#2	20.31	21.41	30.00	PASS
Band4	1.4MHz	64QAM	20175	1RB#5	20.20	21.30	30.00	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	20.24	21.34	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	20.32	21.42	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#2	20.29	21.39	30.00	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	20.23	21.33	30.00	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	20.28	21.38	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#0	20.21	21.31	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#7	20.25	21.35	30.00	PASS
Band4	3MHz	QPSK	19965	1RB#14	20.18	21.28	30.00	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.19	21.29	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#0	20.30	21.40	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#7	20.27	21.37	30.00	PASS
Band4	3MHz	QPSK	20175	1RB#14	20.24	21.34	30.00	PASS
Band4	3MHz	QPSK	20175	15RB#0	20.26	21.36	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#0	20.22	21.32	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#7	20.25	21.35	30.00	PASS
Band4	3MHz	QPSK	20385	1RB#14	20.31	21.41	30.00	PASS
Band4	3MHz	QPSK	20385	15RB#0	20.29	21.39	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.30	21.40	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#7	20.26	21.36	30.00	PASS
Band4	3MHz	16QAM	19965	1RB#14	20.18	21.28	30.00	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.31	21.41	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#0	20.21	21.31	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	3MHz	16QAM	20175	1RB#7	20.22	21.32	30.00	PASS
Band4	3MHz	16QAM	20175	1RB#14	20.27	21.37	30.00	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.19	21.29	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#0	20.18	21.28	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#7	20.25	21.35	30.00	PASS
Band4	3MHz	16QAM	20385	1RB#14	20.22	21.32	30.00	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.26	21.36	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#0	20.23	21.33	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#7	20.20	21.30	30.00	PASS
Band4	3MHz	64QAM	19965	1RB#14	20.30	21.40	30.00	PASS
Band4	3MHz	64QAM	19965	15RB#0	20.21	21.31	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#0	20.27	21.37	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#7	20.28	21.38	30.00	PASS
Band4	3MHz	64QAM	20175	1RB#14	20.29	21.39	30.00	PASS
Band4	3MHz	64QAM	20175	15RB#0	20.21	21.31	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#0	20.21	21.31	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#7	20.28	21.38	30.00	PASS
Band4	3MHz	64QAM	20385	1RB#14	20.21	21.31	30.00	PASS
Band4	3MHz	64QAM	20385	15RB#0	20.31	21.41	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#0	20.24	21.34	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#13	20.30	21.40	30.00	PASS
Band4	5MHz	QPSK	19975	1RB#24	20.22	21.32	30.00	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.24	21.34	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#0	20.19	21.29	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#13	20.21	21.31	30.00	PASS
Band4	5MHz	QPSK	20175	1RB#24	20.23	21.33	30.00	PASS
Band4	5MHz	QPSK	20175	25RB#0	20.19	21.29	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#0	20.32	21.42	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	5MHz	QPSK	20375	1RB#13	20.20	21.30	30.00	PASS
Band4	5MHz	QPSK	20375	1RB#24	20.26	21.36	30.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.26	21.36	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.20	21.30	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#13	20.32	21.42	30.00	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.28	21.38	30.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.24	21.34	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#0	20.21	21.31	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#13	20.23	21.33	30.00	PASS
Band4	5MHz	16QAM	20175	1RB#24	20.31	21.41	30.00	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.31	21.41	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.18	21.28	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#13	20.25	21.35	30.00	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.22	21.32	30.00	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.18	21.28	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#0	20.22	21.32	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#13	20.21	21.31	30.00	PASS
Band4	5MHz	64QAM	19975	1RB#24	20.19	21.29	30.00	PASS
Band4	5MHz	64QAM	19975	25RB#0	20.30	21.40	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#0	20.19	21.29	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#13	20.23	21.33	30.00	PASS
Band4	5MHz	64QAM	20175	1RB#24	20.24	21.34	30.00	PASS
Band4	5MHz	64QAM	20175	25RB#0	20.18	21.28	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#0	20.24	21.34	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#13	20.28	21.38	30.00	PASS
Band4	5MHz	64QAM	20375	1RB#24	20.19	21.29	30.00	PASS
Band4	5MHz	64QAM	20375	25RB#0	20.24	21.34	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#0	20.22	21.32	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	10MHz	QPSK	20000	1RB#25	20.25	21.35	30.00	PASS
Band4	10MHz	QPSK	20000	1RB#49	20.25	21.35	30.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	20.27	21.37	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#0	20.30	21.40	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#25	20.25	21.35	30.00	PASS
Band4	10MHz	QPSK	20175	1RB#49	20.28	21.38	30.00	PASS
Band4	10MHz	QPSK	20175	50RB#0	20.31	21.41	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#0	20.18	21.28	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#25	20.23	21.33	30.00	PASS
Band4	10MHz	QPSK	20350	1RB#49	20.28	21.38	30.00	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.25	21.35	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.23	21.33	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#25	20.21	21.31	30.00	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.20	21.30	30.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.25	21.35	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#0	20.19	21.29	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#25	20.21	21.31	30.00	PASS
Band4	10MHz	16QAM	20175	1RB#49	20.20	21.30	30.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.23	21.33	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.20	21.30	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#25	20.28	21.38	30.00	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.29	21.39	30.00	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.25	21.35	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#0	20.24	21.34	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#25	20.21	21.31	30.00	PASS
Band4	10MHz	64QAM	20000	1RB#49	20.22	21.32	30.00	PASS
Band4	10MHz	64QAM	20000	50RB#0	20.29	21.39	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#0	20.32	21.42	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	10MHz	64QAM	20175	1RB#25	20.25	21.35	30.00	PASS
Band4	10MHz	64QAM	20175	1RB#49	20.27	21.37	30.00	PASS
Band4	10MHz	64QAM	20175	50RB#0	20.26	21.36	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#0	20.23	21.33	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#25	20.20	21.30	30.00	PASS
Band4	10MHz	64QAM	20350	1RB#49	20.24	21.34	30.00	PASS
Band4	10MHz	64QAM	20350	50RB#0	20.30	21.40	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#0	20.23	21.33	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#38	20.20	21.30	30.00	PASS
Band4	15MHz	QPSK	20025	1RB#74	20.23	21.33	30.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.24	21.34	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#0	20.25	21.35	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#38	20.26	21.36	30.00	PASS
Band4	15MHz	QPSK	20175	1RB#74	20.20	21.30	30.00	PASS
Band4	15MHz	QPSK	20175	75RB#0	20.29	21.39	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#0	20.30	21.40	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#38	20.24	21.34	30.00	PASS
Band4	15MHz	QPSK	20325	1RB#74	20.32	21.42	30.00	PASS
Band4	15MHz	QPSK	20325	75RB#0	20.24	21.34	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.30	21.40	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#38	20.28	21.38	30.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.29	21.39	30.00	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.23	21.33	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#0	20.29	21.39	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#38	20.27	21.37	30.00	PASS
Band4	15MHz	16QAM	20175	1RB#74	20.26	21.36	30.00	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.31	21.41	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#0	20.29	21.39	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	15MHz	16QAM	20325	1RB#38	20.20	21.30	30.00	PASS
Band4	15MHz	16QAM	20325	1RB#74	20.28	21.38	30.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.25	21.35	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#0	20.31	21.41	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#38	20.29	21.39	30.00	PASS
Band4	15MHz	64QAM	20025	1RB#74	20.22	21.32	30.00	PASS
Band4	15MHz	64QAM	20025	75RB#0	20.27	21.37	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#0	20.22	21.32	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#38	20.22	21.32	30.00	PASS
Band4	15MHz	64QAM	20175	1RB#74	20.24	21.34	30.00	PASS
Band4	15MHz	64QAM	20175	75RB#0	20.20	21.30	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#0	20.24	21.34	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#38	20.32	21.42	30.00	PASS
Band4	15MHz	64QAM	20325	1RB#74	20.28	21.38	30.00	PASS
Band4	15MHz	64QAM	20325	75RB#0	20.18	21.28	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	20.34	21.44	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#50	20.30	21.40	30.00	PASS
Band4	20MHz	QPSK	20050	1RB#99	20.28	21.38	30.00	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.30	21.40	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#0	20.39	21.49	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#50	20.31	21.41	30.00	PASS
Band4	20MHz	QPSK	20175	1RB#99	20.22	21.32	30.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	20.31	21.41	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#0	20.29	21.39	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#50	20.26	21.36	30.00	PASS
Band4	20MHz	QPSK	20300	1RB#99	20.25	21.35	30.00	PASS
Band4	20MHz	QPSK	20300	100RB#0	20.30	21.40	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.19	21.29	30.00	PASS



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Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band4	20MHz	16QAM	20050	1RB#50	20.29	21.39	30.00	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.23	21.33	30.00	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.28	21.38	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.29	21.39	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#50	20.24	21.34	30.00	PASS
Band4	20MHz	16QAM	20175	1RB#99	20.20	21.30	30.00	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.23	21.33	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.27	21.37	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#50	20.28	21.38	30.00	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.23	21.33	30.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.30	21.40	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#0	20.26	21.36	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#50	20.27	21.37	30.00	PASS
Band4	20MHz	64QAM	20050	1RB#99	20.24	21.34	30.00	PASS
Band4	20MHz	64QAM	20050	100RB#0	20.19	21.29	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#0	20.30	21.40	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#50	20.23	21.33	30.00	PASS
Band4	20MHz	64QAM	20175	1RB#99	20.21	21.31	30.00	PASS
Band4	20MHz	64QAM	20175	100RB#0	20.22	21.32	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#0	20.27	21.37	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#50	20.21	21.31	30.00	PASS
Band4	20MHz	64QAM	20300	1RB#99	20.24	21.34	30.00	PASS
Band4	20MHz	64QAM	20300	100RB#0	20.27	21.37	30.00	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	5.66	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.78	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.74	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.60	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.74	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.68	13	PASS
Band4	20MHz	64QAM	20050	100RB#0	6.92	13	PASS
Band4	20MHz	64QAM	20175	100RB#0	7.12	13	PASS
Band4	20MHz	64QAM	20300	100RB#0	7.08	13	PASS



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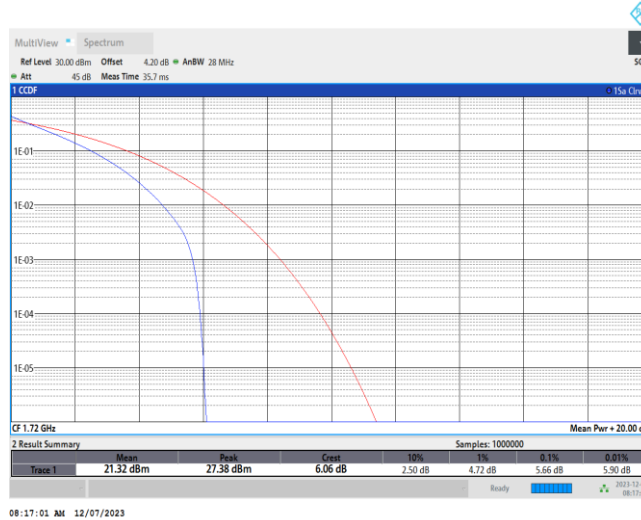
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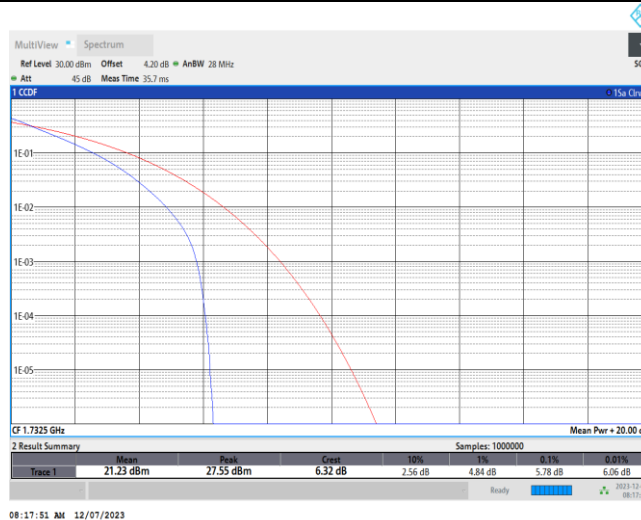
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Test Graphs

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



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

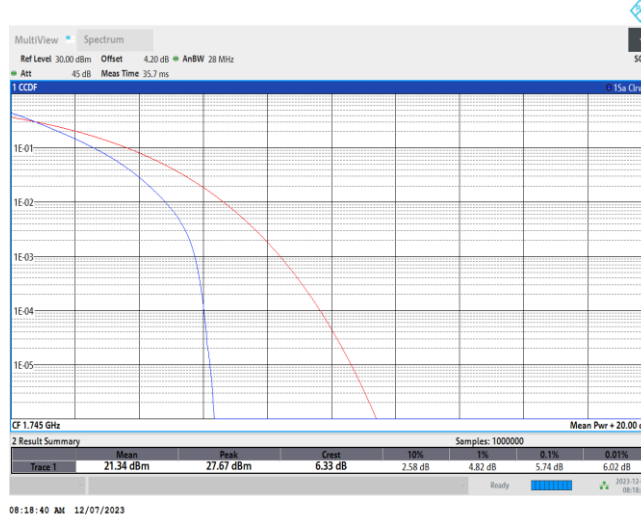


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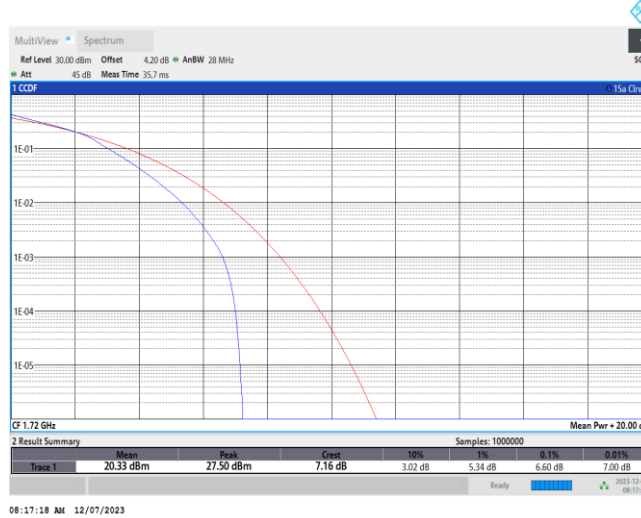
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Band4-20MHz-QPSK-20300-100RB#0



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

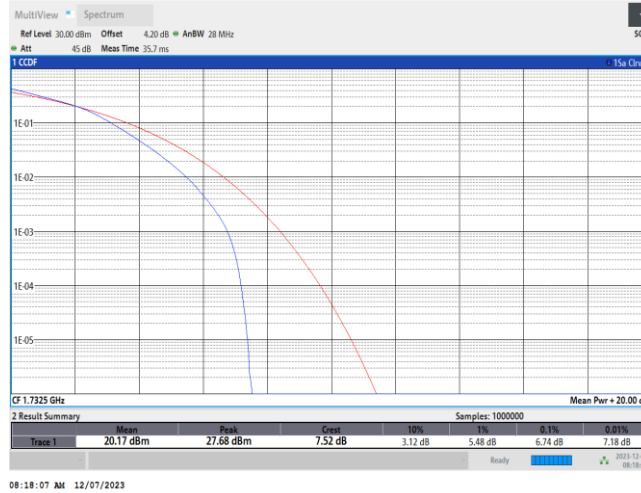


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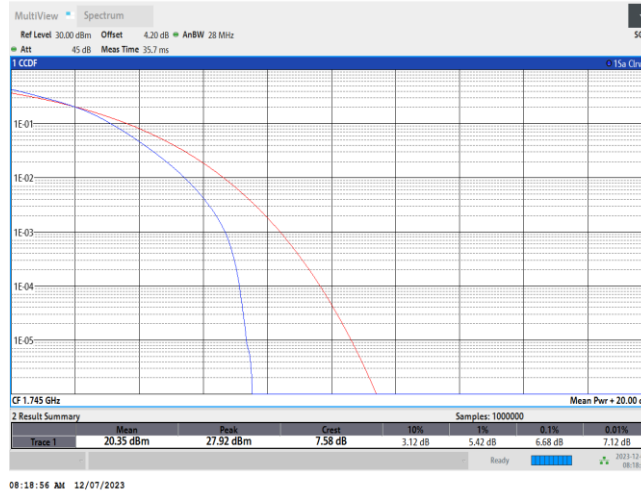
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Band4-20MHz-16QAM-20175-100RB#0



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

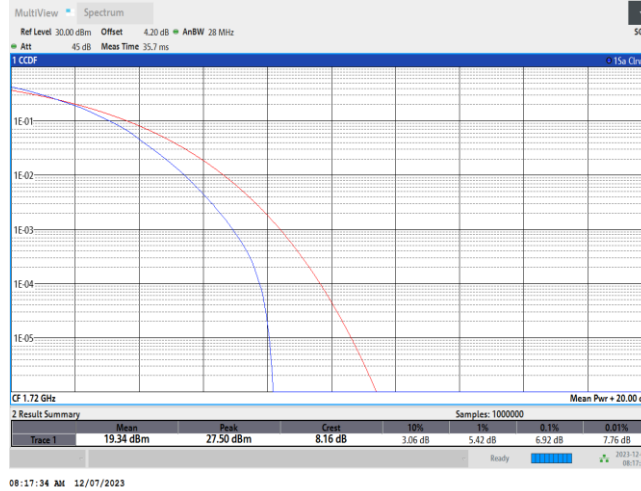


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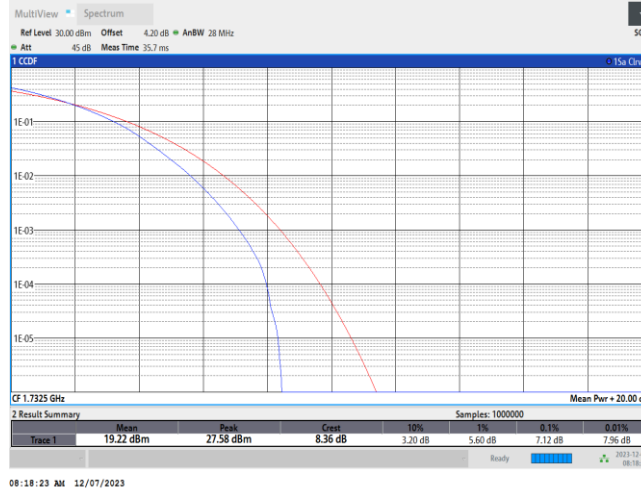
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Band4-20MHz-64QAM-20050-100RB#0



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

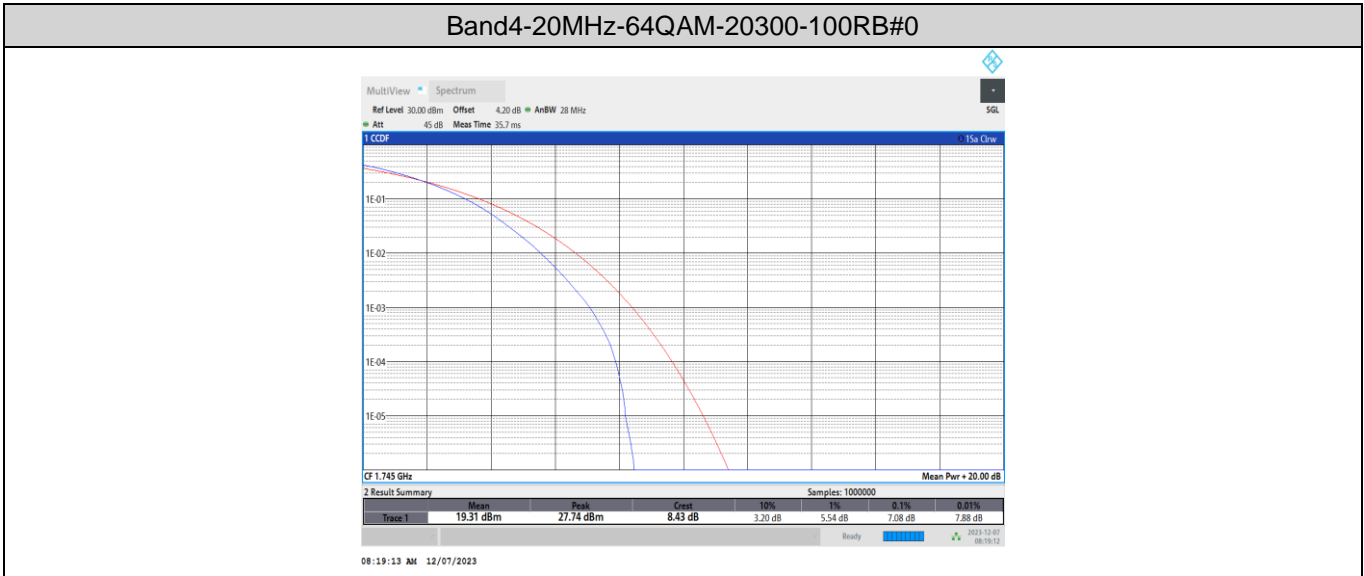


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Band4-20MHz-64QAM-20300-100RB#0



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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	20175	6RB#0	1.104	1.38	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.112	1.39	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.11	1.40	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.697	3.04	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.698	3.05	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.695	3.05	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.481	5.01	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.476	5.05	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.483	5.10	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.948	9.90	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.949	9.90	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.95	9.90	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.513	14.97	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.51	14.97	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.5	15.00	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.94	19.64	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.968	19.84	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.953	20.00	PASS



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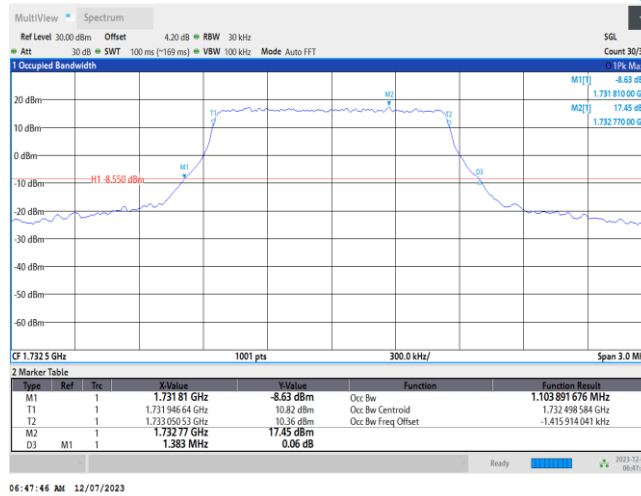
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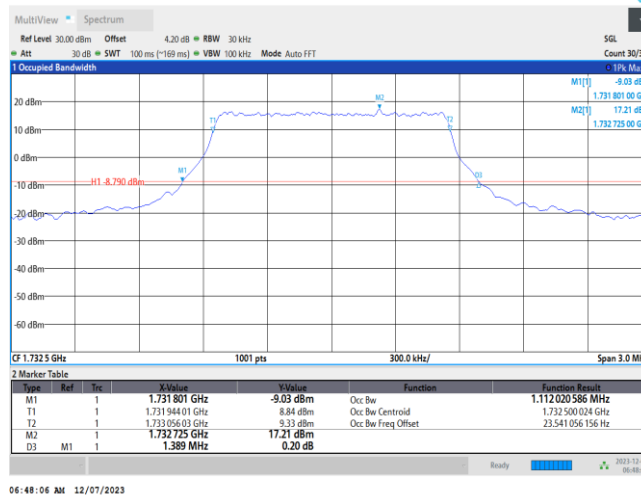


Test Graphs

Band4-1.4MHz-QPSK-20175-6RB#0



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

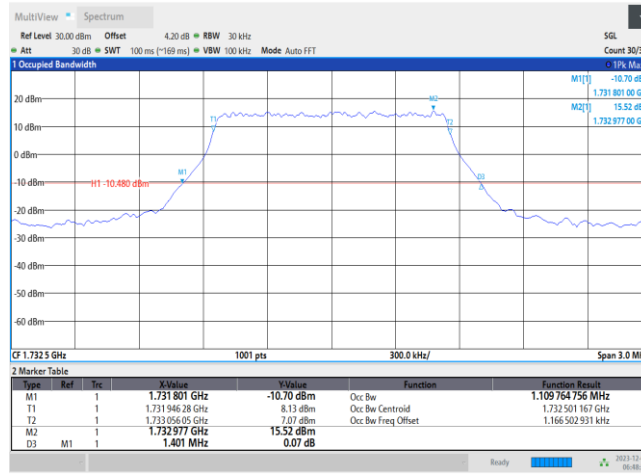


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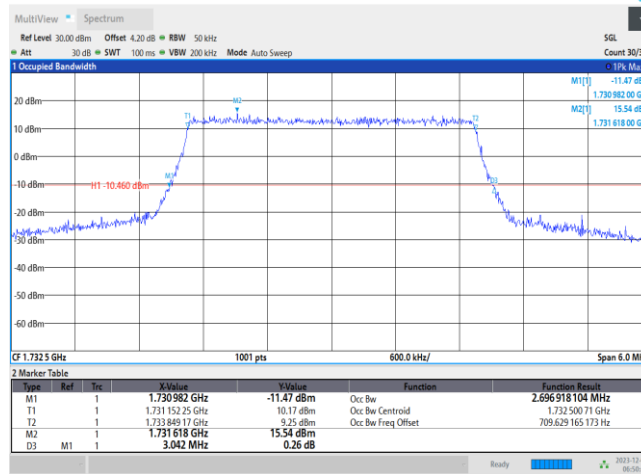
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Band4-1.4MHz-64QAM-20175-6RB#0



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



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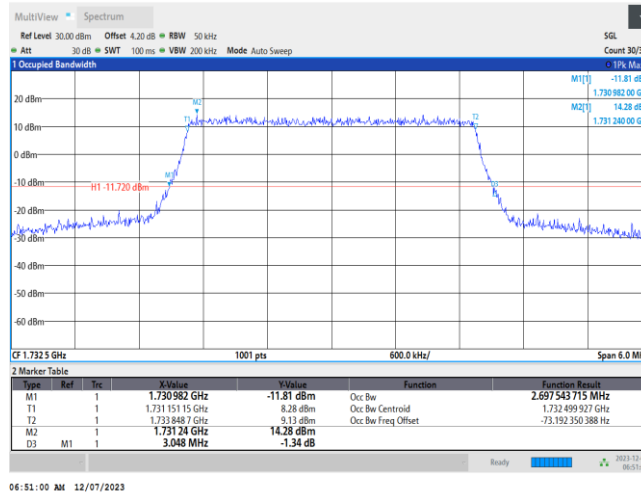


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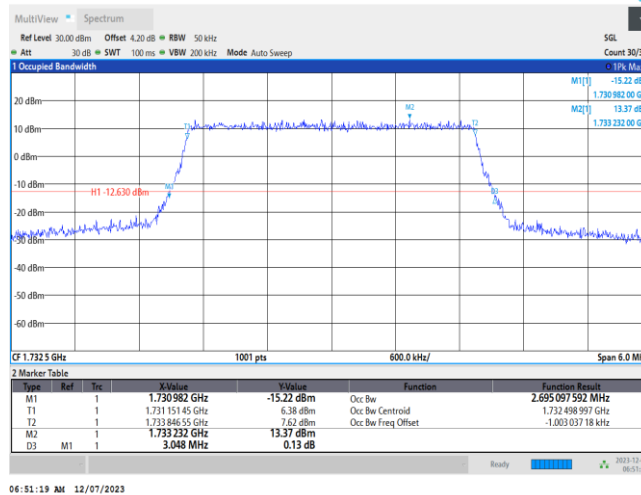
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Band4-3MHz-64QAM-20175-15RB#0

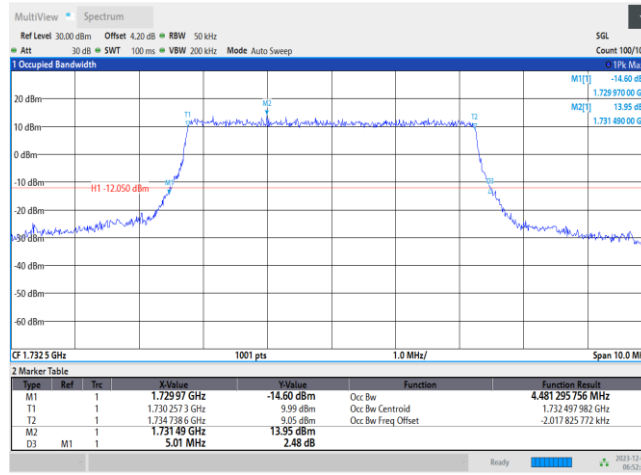


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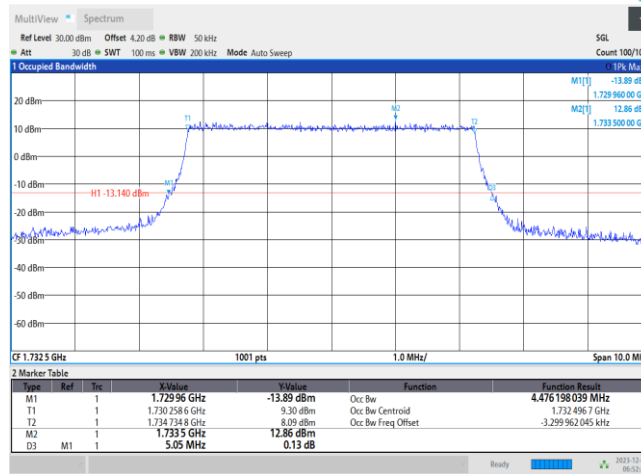
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Band4-5MHz-QPSK-20175-25RB#0



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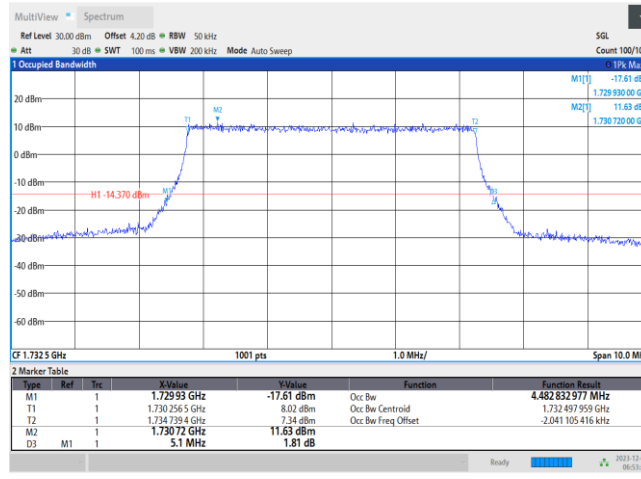


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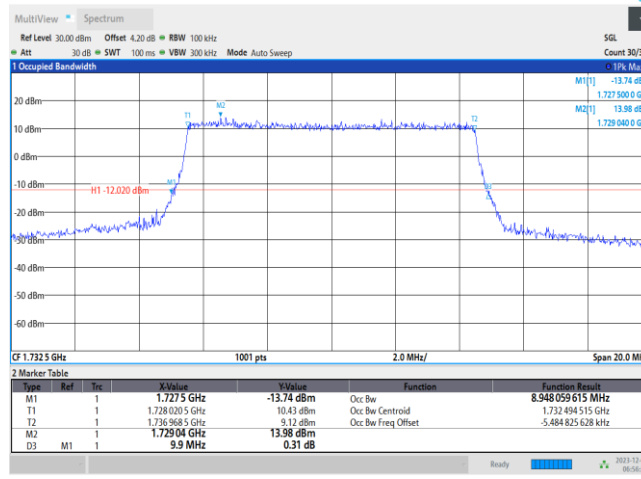
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Band4-10MHz-QPSK-20175-50RB#0

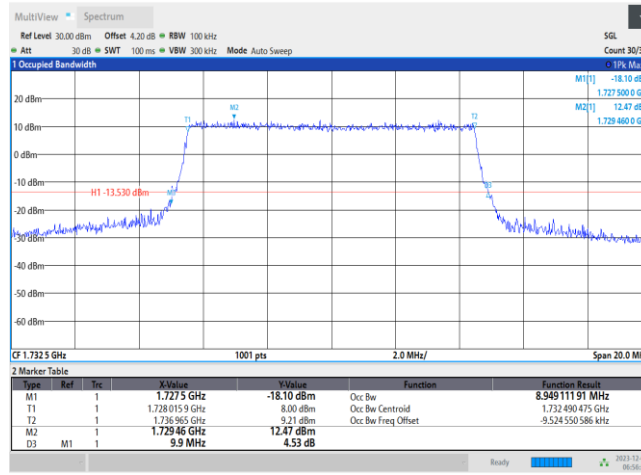


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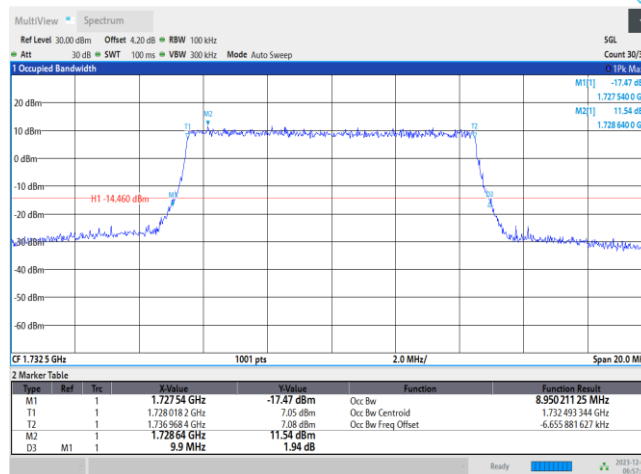
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Band4-10MHz-16QAM-20175-50RB#0



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

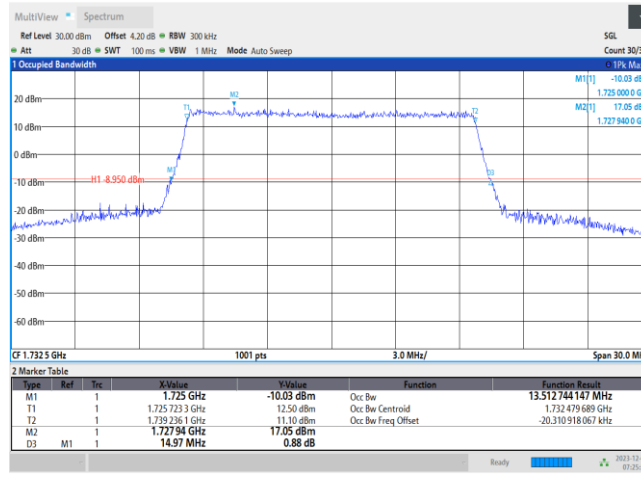


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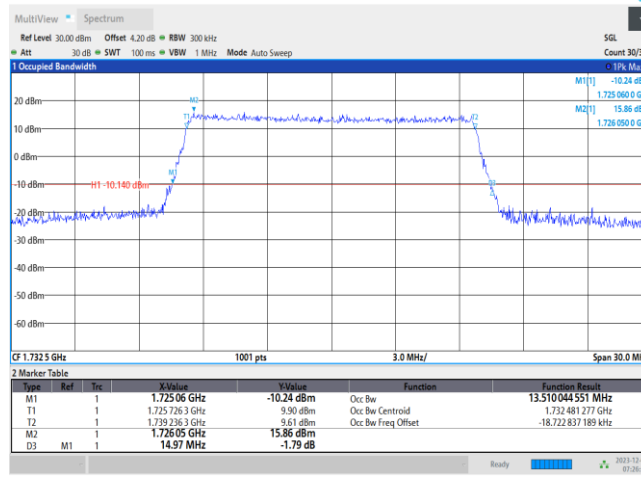
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Band4-15MHz-QPSK-20175-75RB#0



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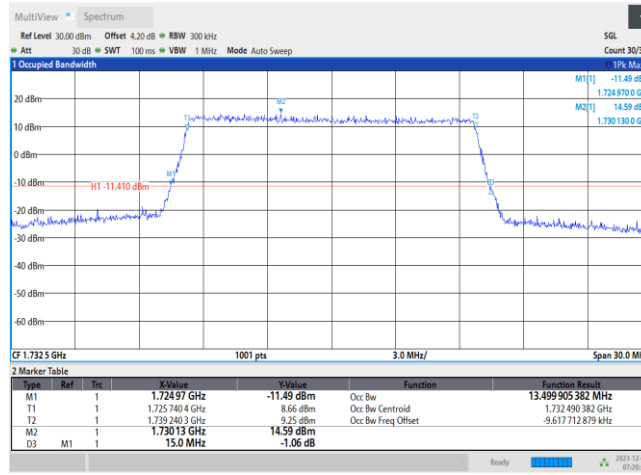


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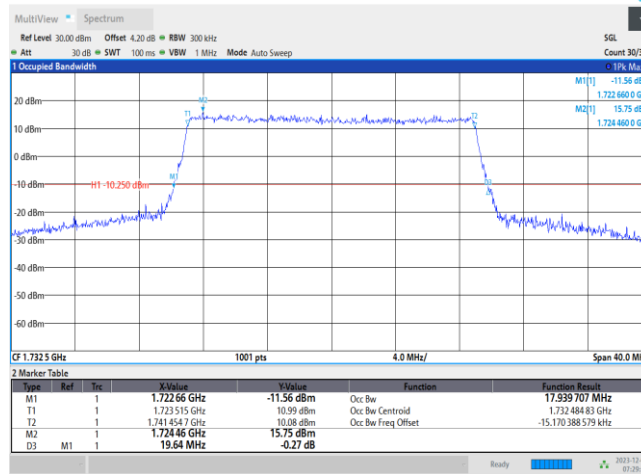
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Band4-15MHz-64QAM-20175-75RB#0



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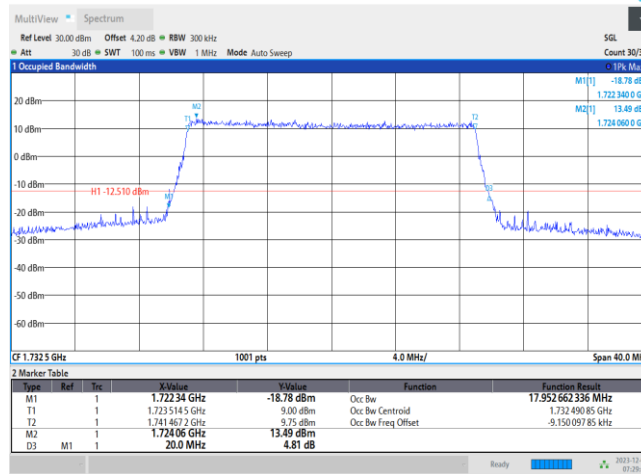
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Band4-20MHz-64QAM-20175-100RB#0



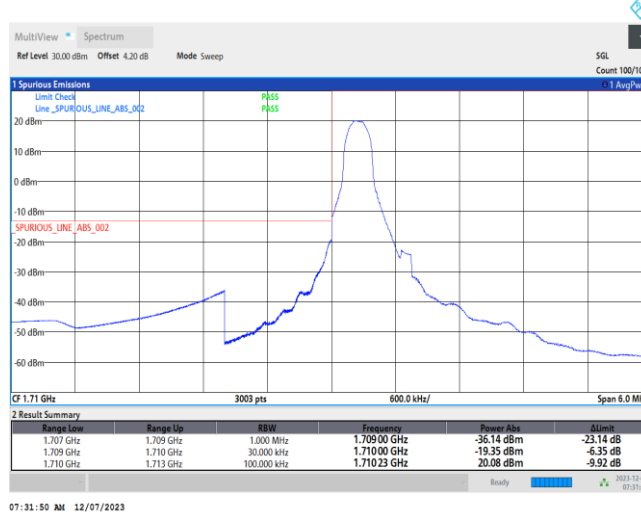
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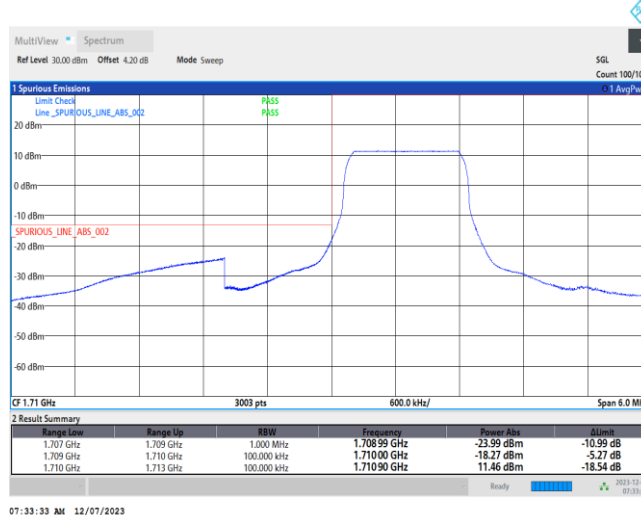
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### Band Edge Test Graphs

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



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

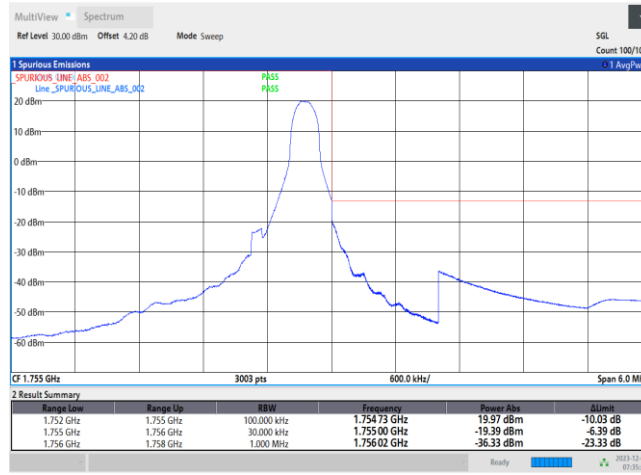


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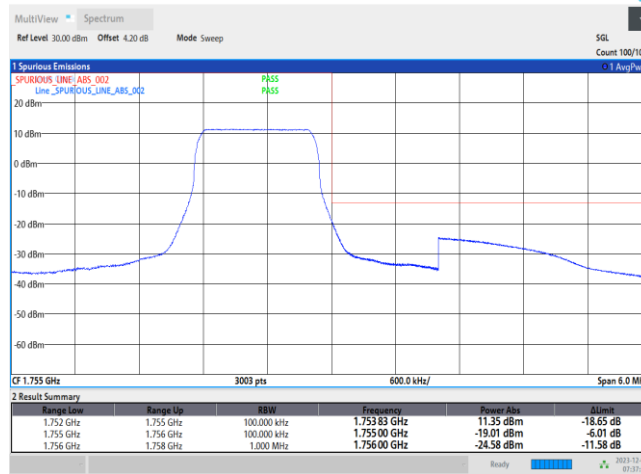
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Band4-1.4MHz-QPSK-20393-1RB#5



07:35:36 AM 12/07/2023

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



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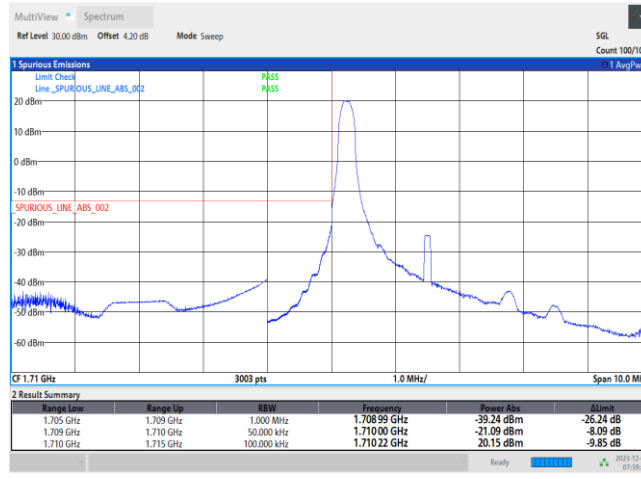


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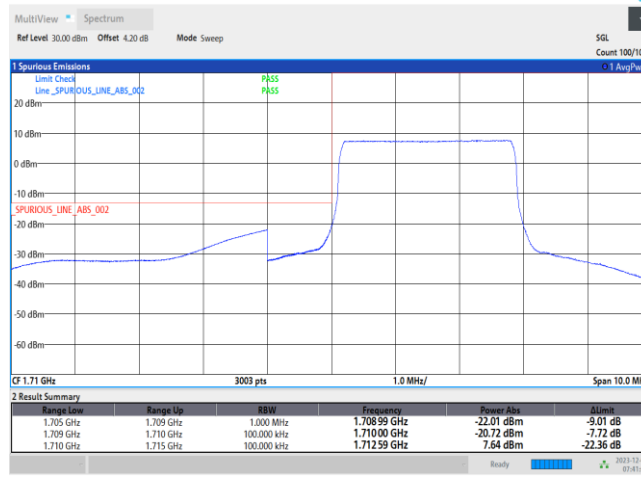
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Band4-3MHz-QPSK-19965-1RB#0



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

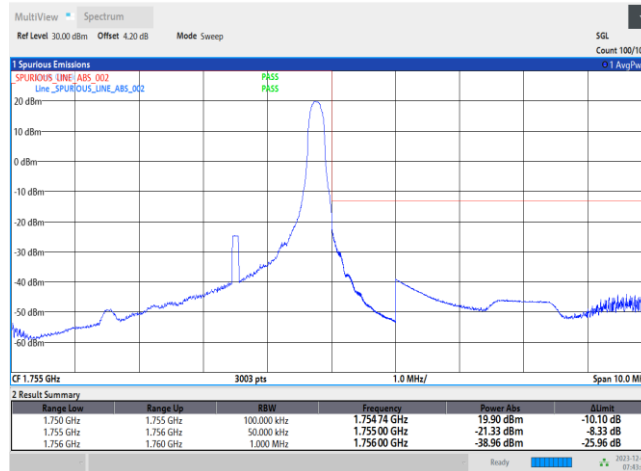


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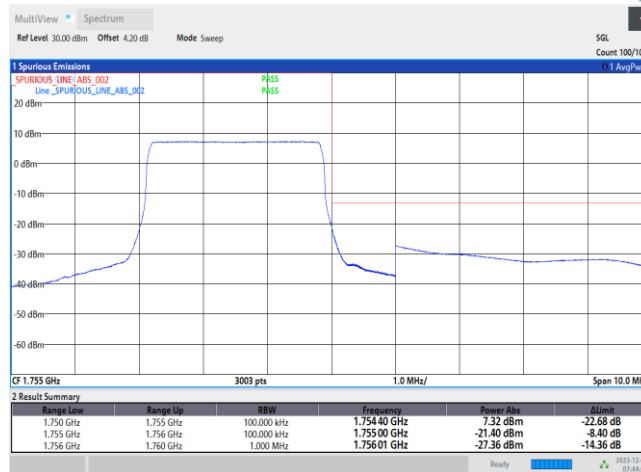
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Band4-3MHz-QPSK-20385-1RB#14



07:43:06 AM 12/07/2023

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



07:44:50 AM 12/07/2023

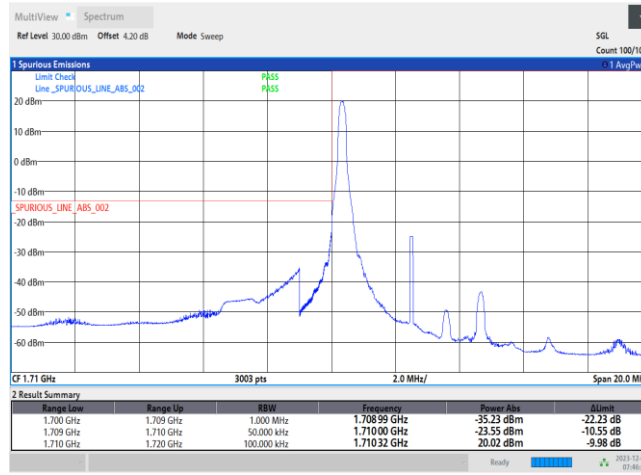


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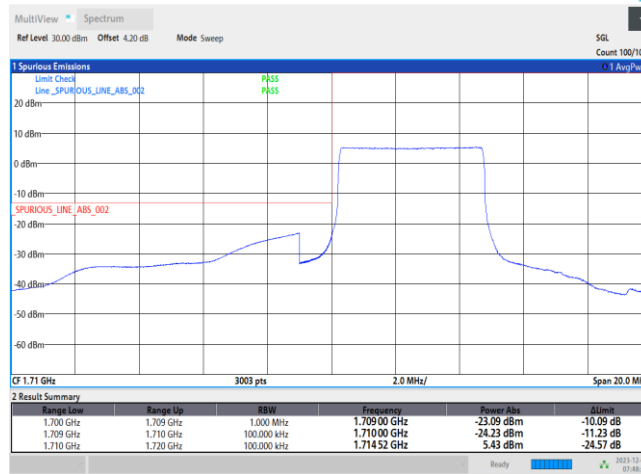
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Band4-5MHz-QPSK-19975-1RB#0



07:46:53 AM 12/07/2023

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



07:48:37 AM 12/07/2023

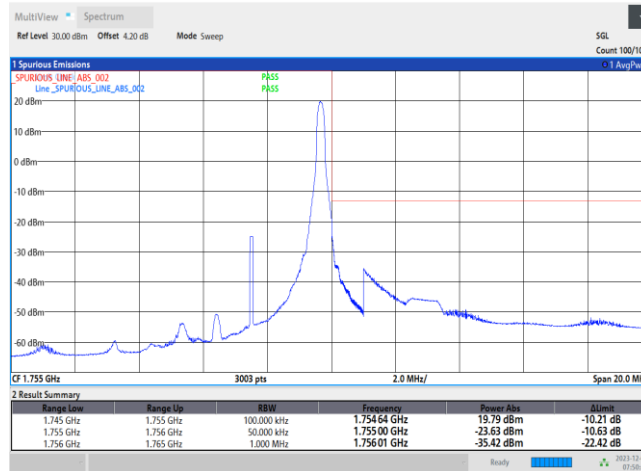


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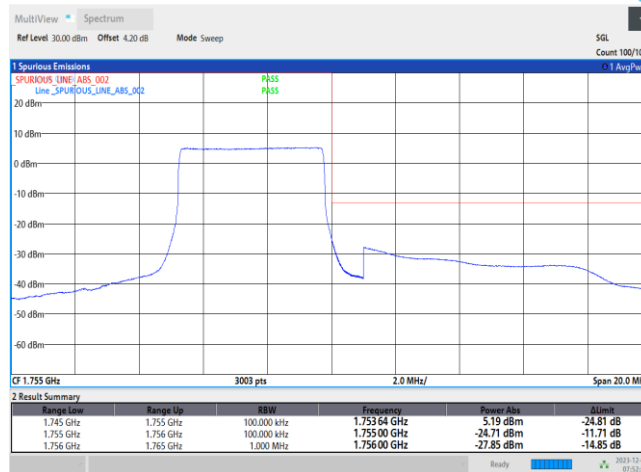
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Band4-5MHz-QPSK-20375-1RB#24



07:50:41 AM 12/07/2023

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



07:52:25 AM 12/07/2023

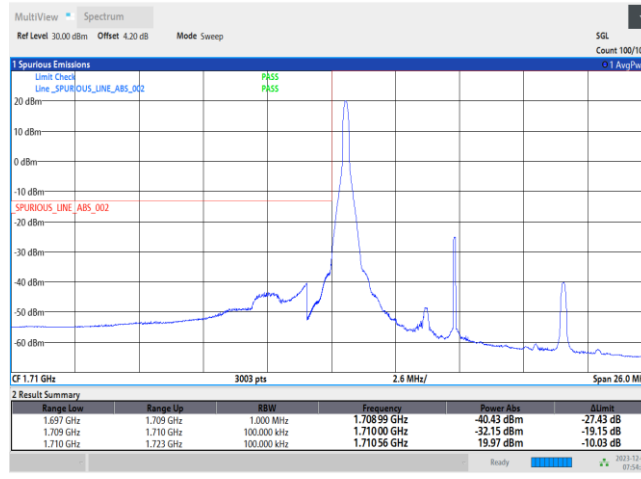


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Band4-10MHz-QPSK-20000-1RB#0



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



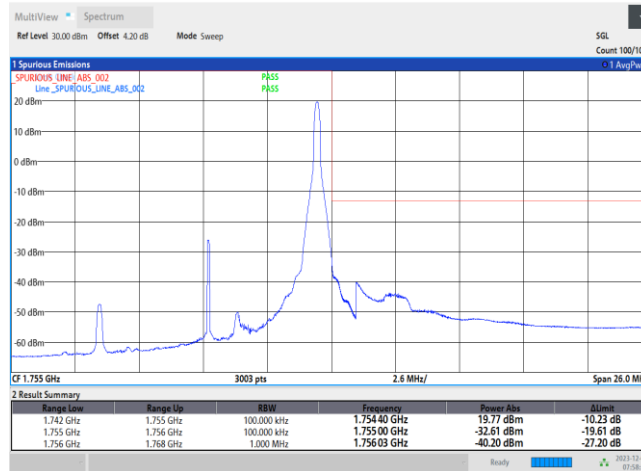
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Band4-10MHz-QPSK-20350-1RB#49



07:58:16 AM 12/07/2023

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



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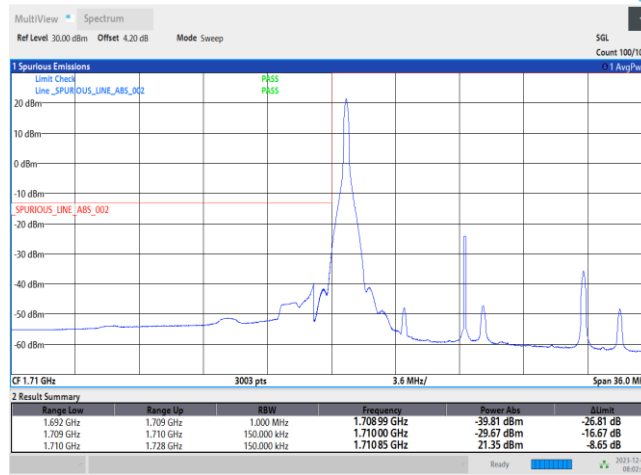


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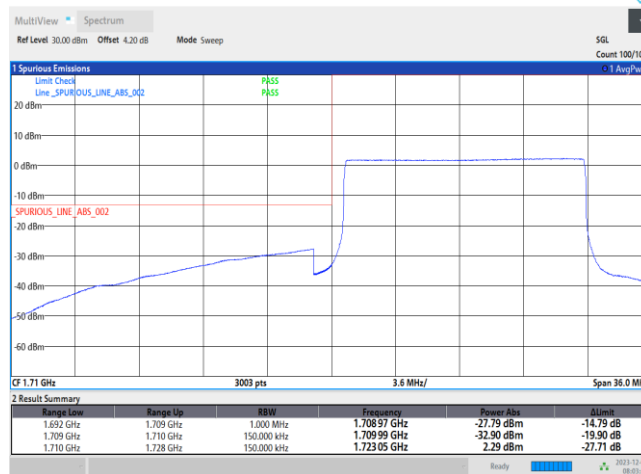
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Band4-15MHz-QPSK-20025-1RB#0



08:02:02 AM 12/07/2023

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



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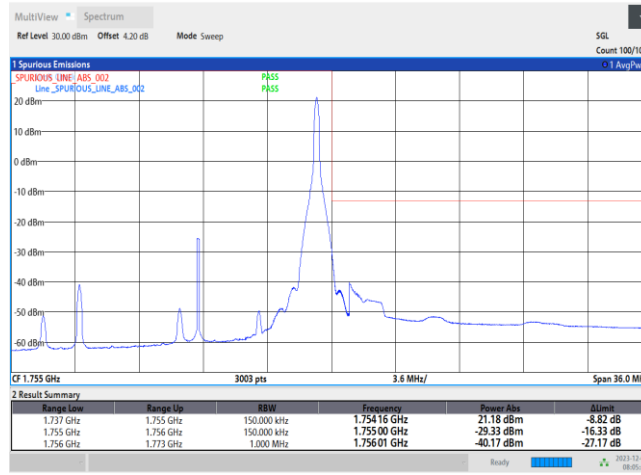


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Band4-15MHz-QPSK-20325-1RB#74



08:05:46 AM 12/07/2023

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



08:07:30 AM 12/07/2023

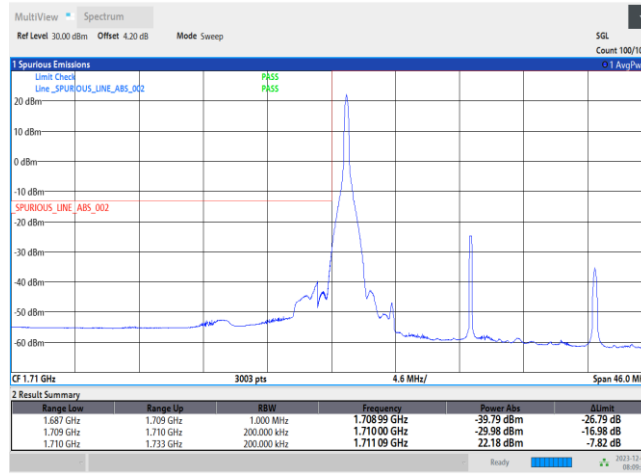


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Band4-20MHz-QPSK-20050-1RB#0



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

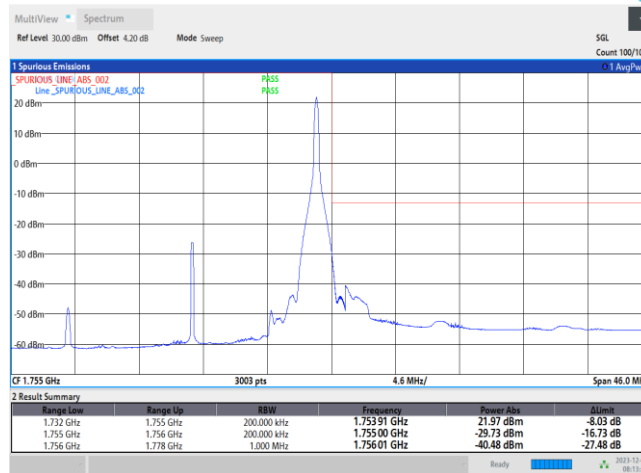


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Band4-20MHz-QPSK-20300-1RB#99



08:13:12 AM 12/07/2023

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



08:14:56 AM 12/07/2023



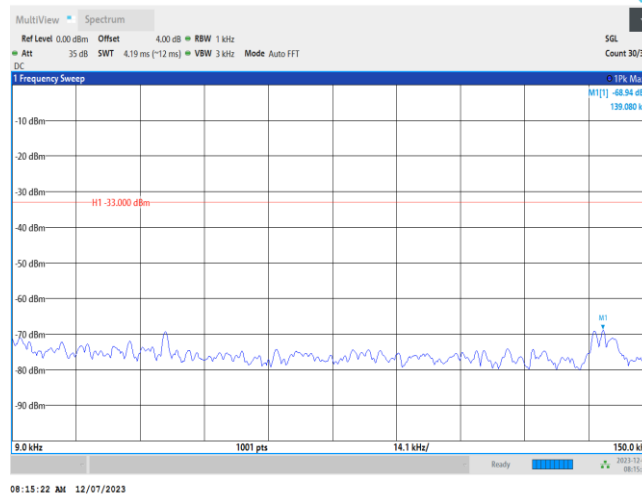
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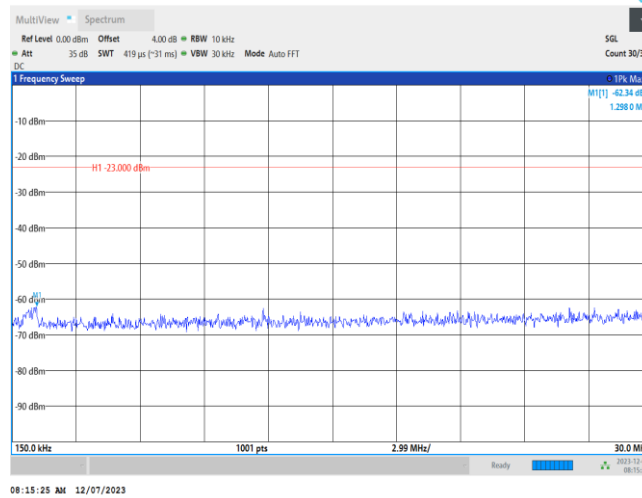
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Band4-20MHz-QPSK-20050-1RB#0-Range1:0.009~0.15MHz



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

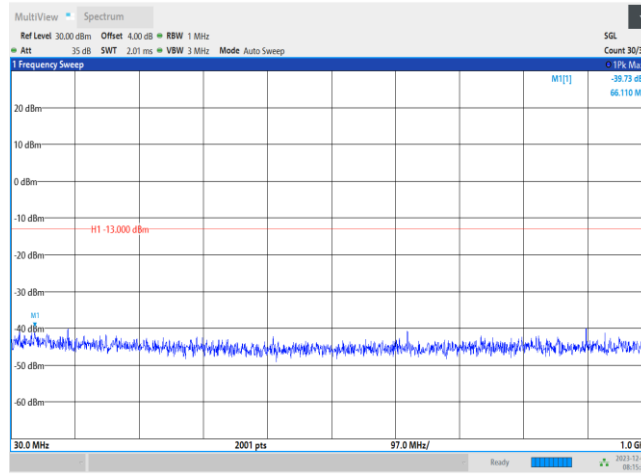


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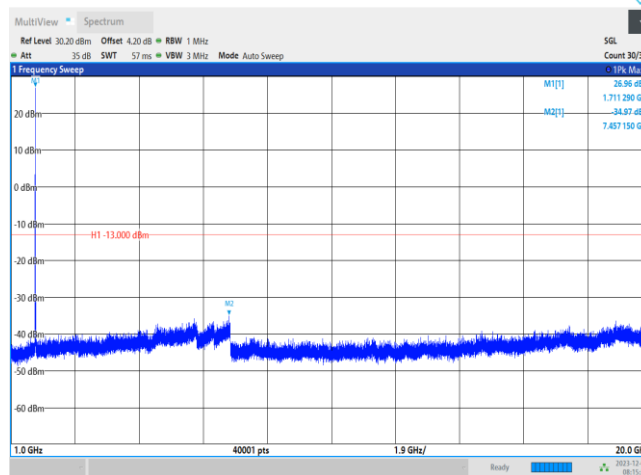
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Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



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

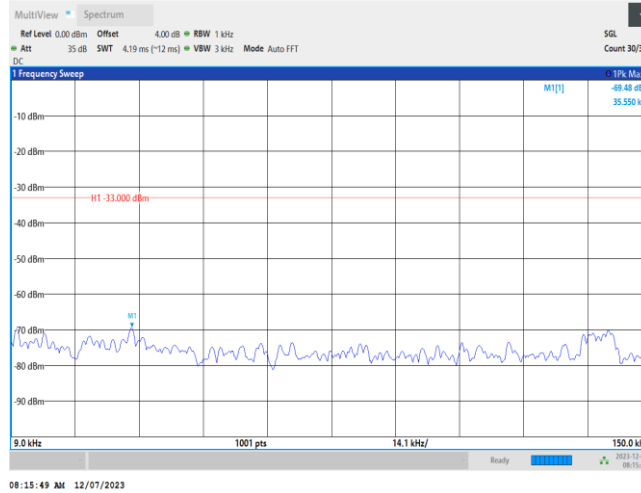


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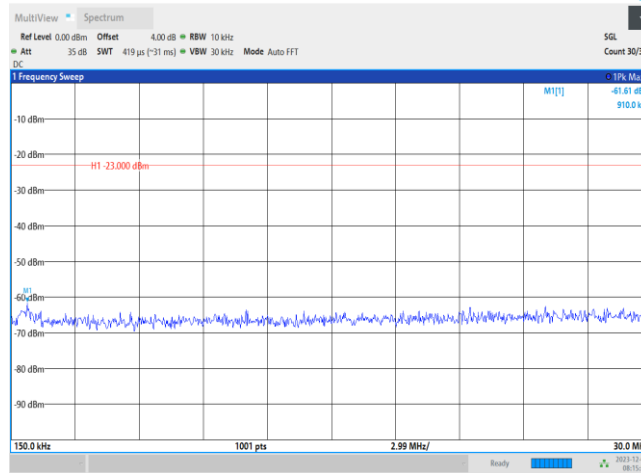
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Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



08:15:49 AM 12/07/2023

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



08:15:52 AM 12/07/2023



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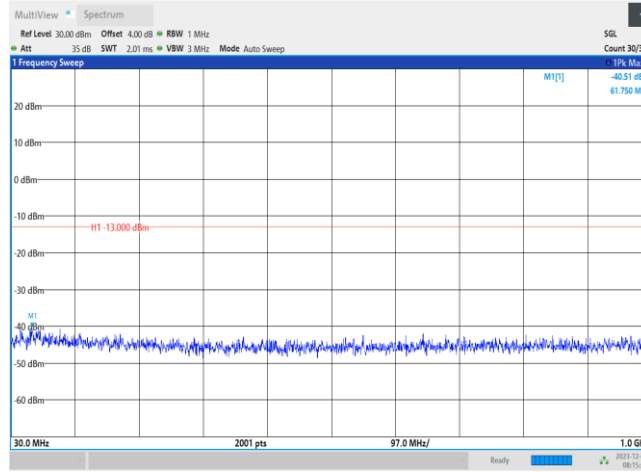
SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratory

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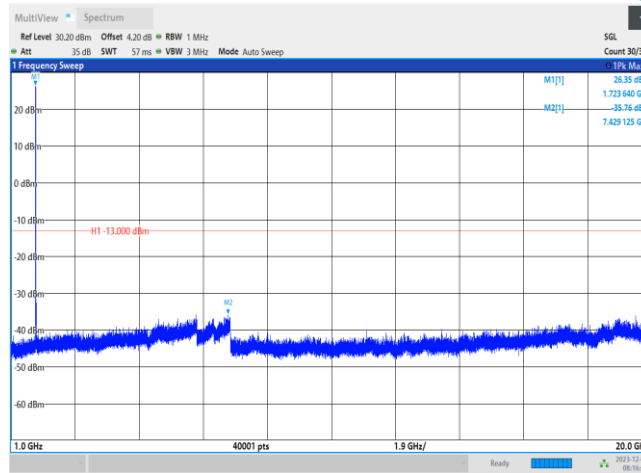
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t (86-512) 62992980 sgs.china@sgs.com



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



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

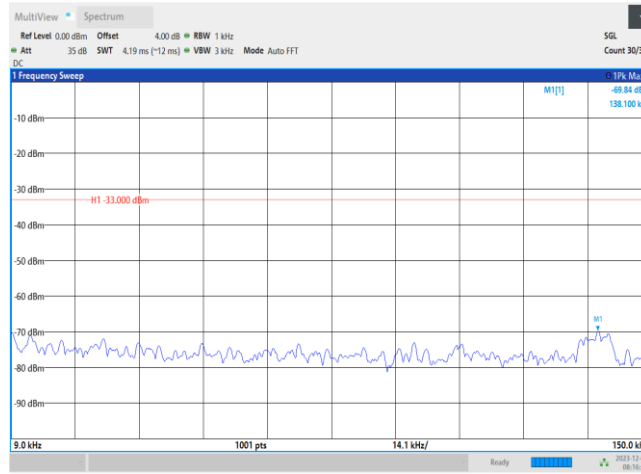


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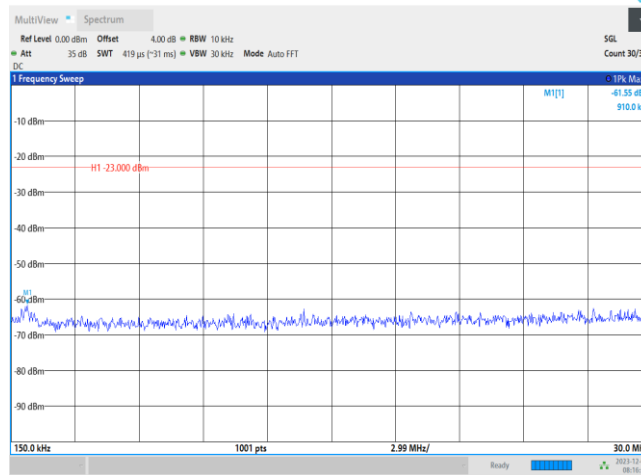
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Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



08:16:16 AM 12/07/2023

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



08:16:19 AM 12/07/2023

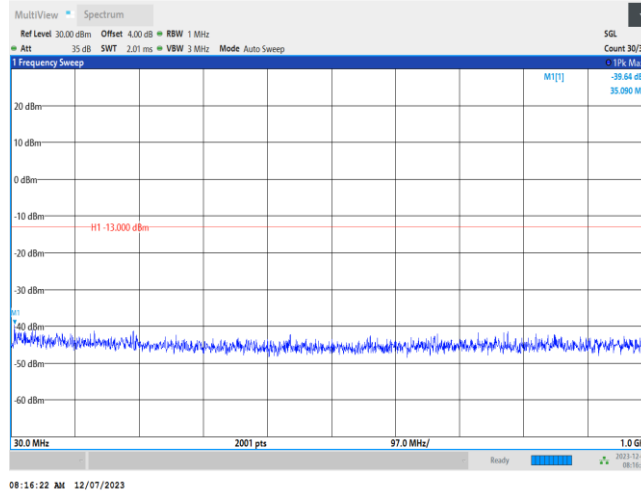


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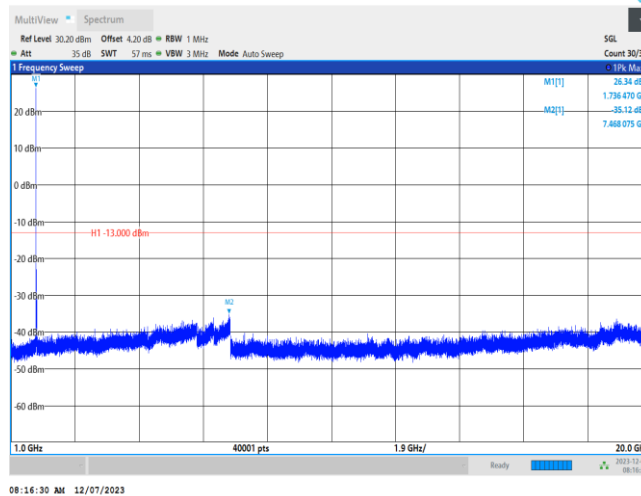
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Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



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

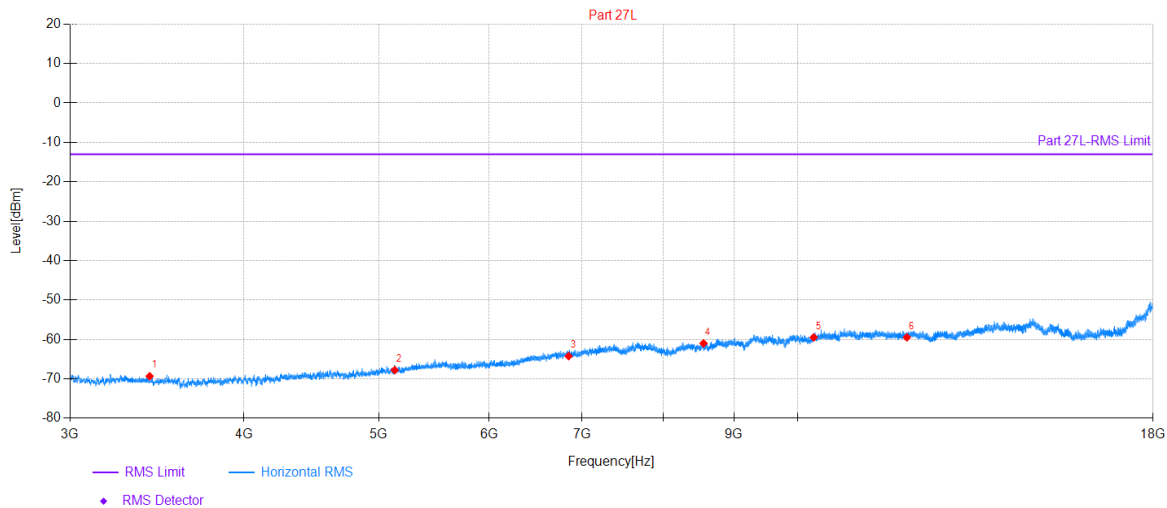


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**Field Strength of Spurious Radiation**  
**Test Band = LTE Band 4\_ TM1**  
**Test Channel = Low Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.64	-48.38	28.67	-69.33	-13.00	56.33	Horizontal
2	5133.27	43.50	-47.84	31.82	-67.78	-13.00	54.78	Horizontal
3	6844.36	42.58	-46.82	35.26	-64.24	-13.00	51.24	Horizontal
4	8555.45	41.39	-44.11	36.98	-61.00	-13.00	48.00	Horizontal
5	10266.54	38.53	-41.48	38.74	-59.47	-13.00	46.47	Horizontal
6	11977.63	36.13	-39.54	39.20	-59.47	-13.00	46.47	Horizontal

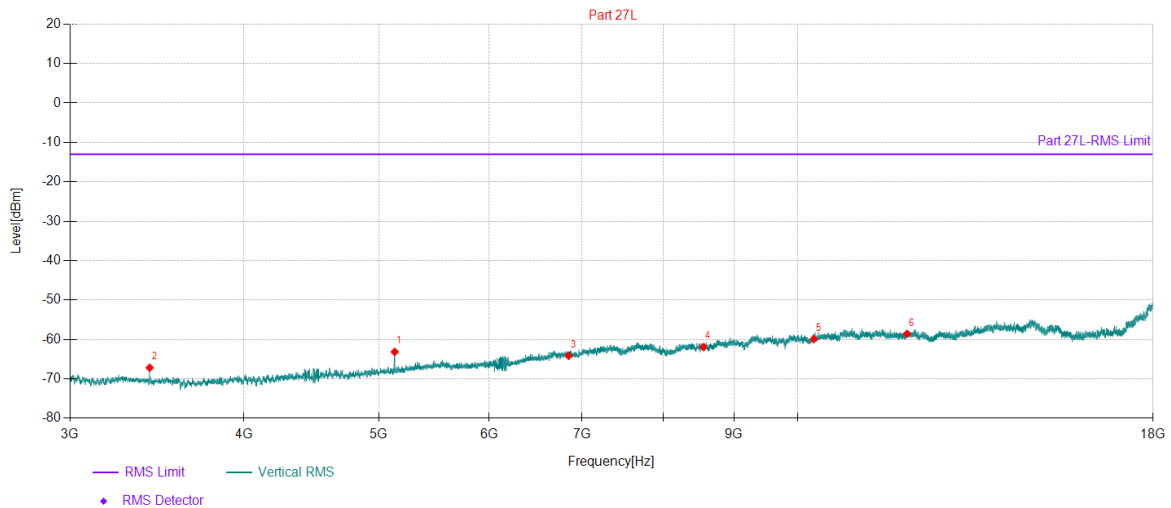


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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = Low Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5133	48.13	-47.84	31.82	-63.15	-13.00	50.15	Vertical
2	3422.18	47.80	-48.38	28.67	-67.17	-13.00	54.17	Vertical
3	6844.36	42.67	-46.82	35.26	-64.15	-13.00	51.15	Vertical
4	8555.45	40.45	-44.11	36.98	-61.94	-13.00	48.94	Vertical
5	10266.54	38.08	-41.48	38.74	-59.92	-13.00	46.92	Vertical
6	11977.63	37.00	-39.54	39.20	-58.60	-13.00	45.60	Vertical

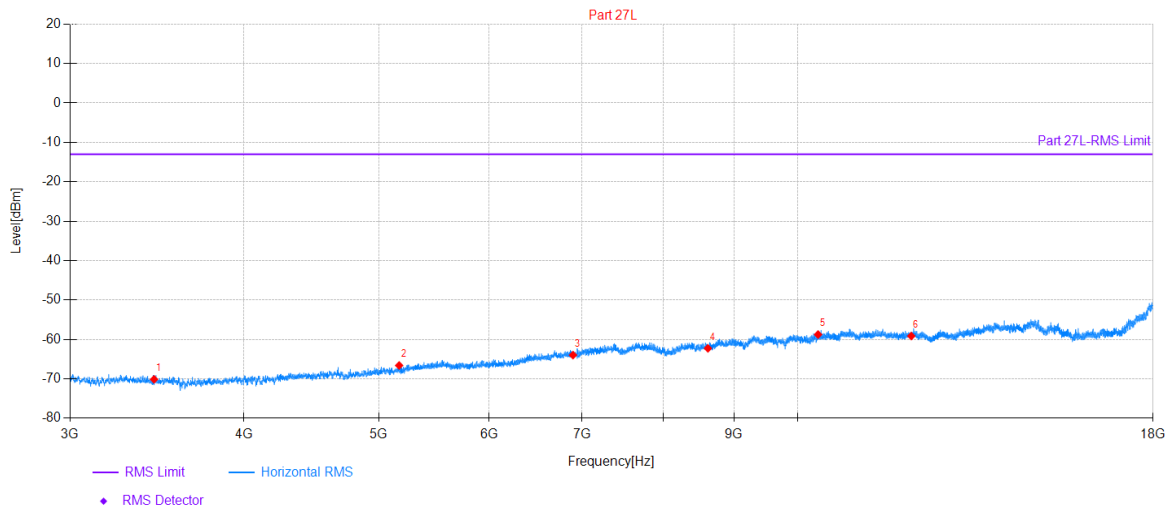


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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = Mid Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.18	44.81	-48.35	28.68	-70.12	-13.00	57.12	Horizontal
2	5170.77	44.62	-47.87	31.91	-66.60	-13.00	53.60	Horizontal
3	6894.36	42.66	-46.74	35.37	-63.97	-13.00	50.97	Horizontal
4	8617.95	39.94	-44.00	37.07	-62.25	-13.00	49.25	Horizontal
5	10341.54	38.89	-41.19	38.81	-58.75	-13.00	45.75	Horizontal
6	12065.13	36.53	-39.56	39.16	-59.13	-13.00	46.13	Horizontal

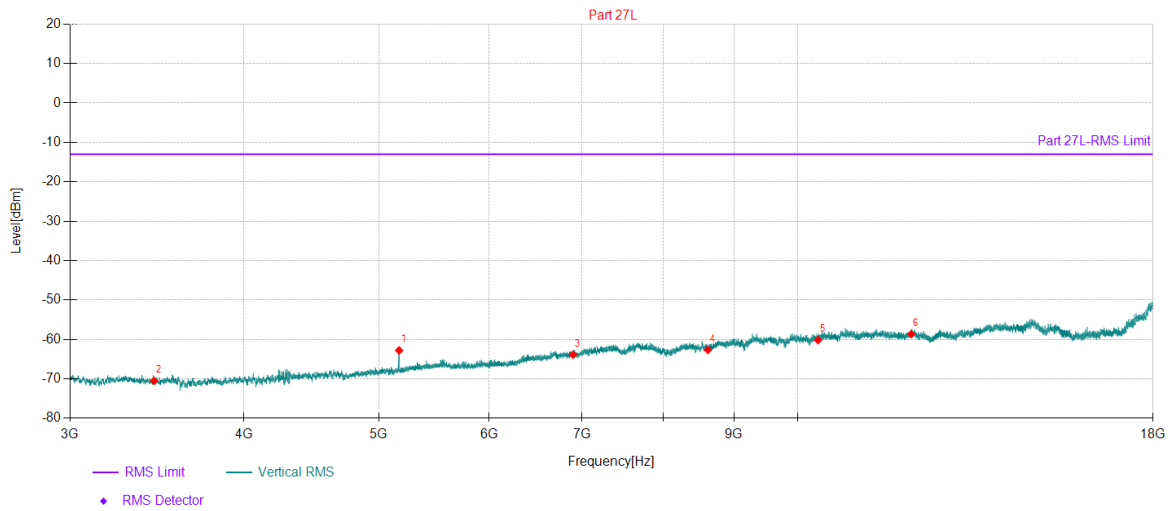


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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = Mid Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5170.5	48.43	-47.87	31.91	-62.79	-13.00	49.79	Vertical
2	3447.18	44.41	-48.35	28.68	-70.52	-13.00	57.52	Vertical
3	6894.36	42.75	-46.74	35.37	-63.88	-13.00	50.88	Vertical
4	8617.95	39.54	-44.00	37.07	-62.65	-13.00	49.65	Vertical
5	10341.54	37.49	-41.19	38.81	-60.15	-13.00	47.15	Vertical
6	12065.13	37.01	-39.56	39.16	-58.65	-13.00	45.65	Vertical

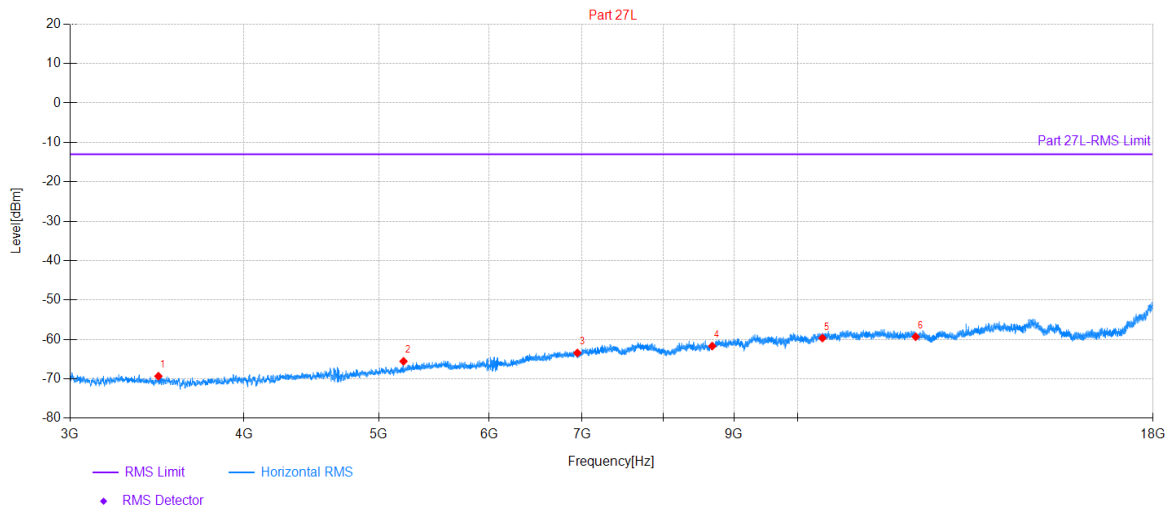


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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = High Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.57	-48.32	28.69	-69.32	-13.00	56.32	Horizontal
2	5208.27	45.60	-47.88	32.00	-65.54	-13.00	52.54	Horizontal
3	6944.36	43.03	-46.67	35.48	-63.42	-13.00	50.42	Horizontal
4	8680.45	40.52	-44.09	37.15	-61.68	-13.00	48.68	Horizontal
5	10416.54	37.88	-41.14	38.88	-59.65	-13.00	46.65	Horizontal
6	12152.63	36.56	-39.73	39.11	-59.32	-13.00	46.32	Horizontal



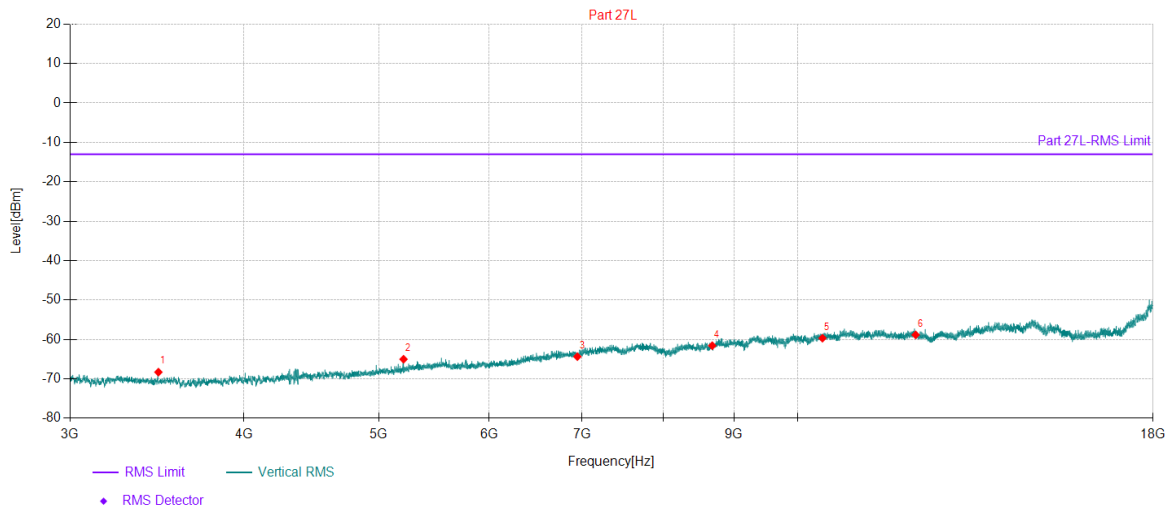
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**Test Band = LTE Band 4\_ TM1**  
**Test Channel = High Channel**



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	46.60	-48.32	28.69	-68.29	-13.00	55.29	Vertical
2	5208.27	46.12	-47.88	32.00	-65.02	-13.00	52.02	Vertical
3	6944.36	42.09	-46.67	35.48	-64.36	-13.00	51.36	Vertical
4	8680.45	40.62	-44.09	37.15	-61.58	-13.00	48.58	Vertical
5	10416.54	37.85	-41.14	38.88	-59.68	-13.00	46.68	Vertical
6	12152.63	37.04	-39.73	39.11	-58.84	-13.00	45.84	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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## 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	0.10	0.000058	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-0.70	-0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-0.60	-0.000346	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-0.40	-0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-1.50	-0.000866	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-1.30	-0.000750	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-1.70	-0.000981	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-2.80	-0.001616	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-1.50	-0.000866	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-2.60	-0.001501	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.50	-0.000289	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-1.10	-0.000635	PASS

---End of Attachment---



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