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# Appendix B.14

LTE Band 26(824-849)



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#### **Effective (Isotropic) Radiated Power Output Data**

#### **Test Result**

#### **Ant13:**

Alitis.								
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	23.43	16.78	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.49	16.84	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.46	16.81	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.37	15.72	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.04	16.39	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.04	16.39	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.01	16.36	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	21.95	15.30	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	22.97	16.32	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.00	16.35	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.02	16.37	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	21.92	15.27	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.62	15.97	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.63	15.98	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.58	15.93	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.61	14.96	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.17	15.52	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.12	15.47	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.15	15.50	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.18	14.53	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.03	15.38	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.20	15.55	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.12	15.47	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.13	14.48	38.45	PASS
Band26	1.4MHz	64QAM	26797	1RB#0	21.76	15.11	38.45	PASS
Band26	1.4MHz	64QAM	26797	1RB#2	21.70	15.05	38.45	PASS



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Band26	1.4MHz	64QAM	26797	1RB#5	21.67	15.02	38.45	PASS
Band26	1.4MHz	64QAM	26797	6RB#0	20.54	13.89	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#0	21.30	14.65	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#2	21.32	14.67	38.45	PASS
Band26	1.4MHz	64QAM	26915	1RB#5	21.22	14.57	38.45	PASS
Band26	1.4MHz	64QAM	26915	6RB#0	20.06	13.41	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#0	21.20	14.55	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#2	21.15	14.50	38.45	PASS
Band26	1.4MHz	64QAM	27033	1RB#5	21.22	14.57	38.45	PASS
Band26	1.4MHz	64QAM	27033	6RB#0	20.04	13.39	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.49	16.84	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.42	16.77	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.33	16.68	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.37	15.72	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.06	16.41	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.00	16.35	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	22.94	16.29	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	21.94	15.29	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	22.95	16.30	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	22.96	16.31	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.00	16.35	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	21.90	15.25	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.68	16.03	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.59	15.94	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.48	15.83	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.56	14.91	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.15	15.50	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.19	15.54	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.11	15.46	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.11	14.46	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.06	15.41	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.03	15.38	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.02	15.37	38.45	PASS



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Band26	3MHz	16QAM	27025	15RB#0	21.09	14.44	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#0	21.71	15.06	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#8	21.70	15.05	38.45	PASS
Band26	3MHz	64QAM	26805	1RB#14	21.60	14.95	38.45	PASS
Band26	3MHz	64QAM	26805	15RB#0	20.53	13.88	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#0	21.32	14.67	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#8	21.18	14.53	38.45	PASS
Band26	3MHz	64QAM	26915	1RB#14	21.17	14.52	38.45	PASS
Band26	3MHz	64QAM	26915	15RB#0	20.10	13.45	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#0	21.14	14.49	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#8	21.16	14.51	38.45	PASS
Band26	3MHz	64QAM	27025	1RB#14	21.18	14.53	38.45	PASS
Band26	3MHz	64QAM	27025	15RB#0	20.06	13.41	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.58	16.93	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.46	16.81	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.32	16.67	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.34	15.69	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.16	16.51	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.10	16.45	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.01	16.36	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	21.96	15.31	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.02	16.37	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	23.01	16.36	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.08	16.43	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	21.96	15.31	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.73	16.08	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.55	15.90	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.37	15.72	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.53	14.88	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.27	15.62	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.17	15.52	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.09	15.44	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.19	14.54	38.45	PASS
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Band26	5MHz	16QAM	27015	1RB#0	22.23	15.58	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.14	15.49	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.19	15.54	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.13	14.48	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#0	21.75	15.10	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#12	21.61	14.96	38.45	PASS
Band26	5MHz	64QAM	26815	1RB#24	21.52	14.87	38.45	PASS
Band26	5MHz	64QAM	26815	25RB#0	20.52	13.87	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#0	21.32	14.67	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#12	21.28	14.63	38.45	PASS
Band26	5MHz	64QAM	26915	1RB#24	21.18	14.53	38.45	PASS
Band26	5MHz	64QAM	26915	25RB#0	20.15	13.50	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#0	21.21	14.56	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#12	21.22	14.57	38.45	PASS
Band26	5MHz	64QAM	27015	1RB#24	21.33	14.68	38.45	PASS
Band26	5MHz	64QAM	27015	25RB#0	20.12	13.47	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.49	16.84	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.29	16.64	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.10	16.45	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.25	15.60	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.17	16.52	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.08	16.43	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	22.93	16.28	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	21.98	15.33	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	22.93	16.28	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	22.98	16.33	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.04	16.39	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	21.92	15.27	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.57	15.92	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.47	15.82	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.19	15.54	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.37	14.72	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.27	15.62	38.45	PASS



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Band26	10MHz	16QAM	26915	1RB#24	22.11	15.46	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.01	15.36	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.12	14.47	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	22.17	15.52	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.08	15.43	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.10	15.45	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.07	14.42	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#0	21.72	15.07	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#24	21.50	14.85	38.45	PASS
Band26	10MHz	64QAM	26840	1RB#49	21.29	14.64	38.45	PASS
Band26	10MHz	64QAM	26840	50RB#0	20.41	13.76	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#0	21.45	14.80	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#24	21.20	14.55	38.45	PASS
Band26	10MHz	64QAM	26915	1RB#49	21.08	14.43	38.45	PASS
Band26	10MHz	64QAM	26915	50RB#0	20.12	13.47	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#0	21.15	14.50	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#24	21.15	14.50	38.45	PASS
Band26	10MHz	64QAM	26990	1RB#49	21.27	14.62	38.45	PASS
Band26	10MHz	64QAM	26990	50RB#0	20.03	13.38	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.39	16.74	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.16	16.51	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.84	16.19	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.12	15.47	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.12	16.47	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.02	16.37	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.86	16.21	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.00	15.35	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.00	16.35	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	22.87	16.22	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.93	16.28	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.87	15.22	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.52	15.87	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.27	15.62	38.45	PASS



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Band26	15MHz	16QAM	26865	1RB#74	22.04	15.39	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.26	14.61	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.26	15.61	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.20	15.55	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	22.00	15.35	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.15	14.50	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.19	15.54	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.04	15.39	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.03	15.38	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.02	14.37	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#0	21.63	14.98	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#38	21.41	14.76	38.45	PASS
Band26	15MHz	64QAM	26865	1RB#74	21.11	14.46	38.45	PASS
Band26	15MHz	64QAM	26865	75RB#0	20.21	13.56	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#0	21.47	14.82	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#38	21.25	14.60	38.45	PASS
Band26	15MHz	64QAM	26915	1RB#74	21.14	14.49	38.45	PASS
Band26	15MHz	64QAM	26915	75RB#0	20.12	13.47	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#0	21.21	14.56	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#38	21.08	14.43	38.45	PASS
Band26	15MHz	64QAM	26965	1RB#74	21.19	14.54	38.45	PASS
Band26	15MHz	64QAM	26965	75RB#0	20.02	13.37	38.45	PASS



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#### Peak-to-Average Ratio(CCDF)

#### **Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.96	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	5.00	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	5.10	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	5.60	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	5.68	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	5.82	13	PASS
Band26	15MHz	64QAM	26865	75RB#0	6.06	13	PASS
Band26	15MHz	64QAM	26915	75RB#0	6.10	13	PASS
Band26	15MHz	64QAM	26965	75RB#0	6.24	13	PASS



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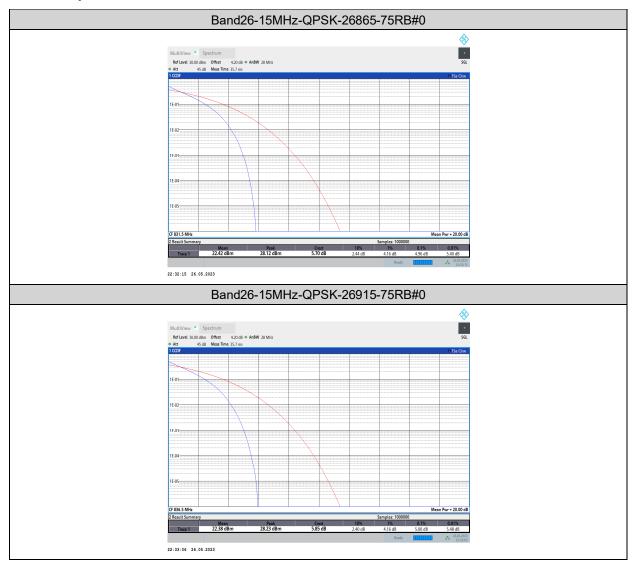
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#### **Test Graphs**





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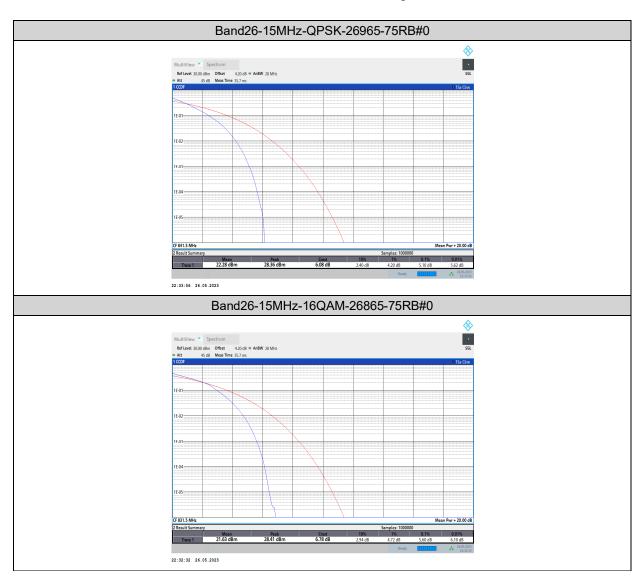
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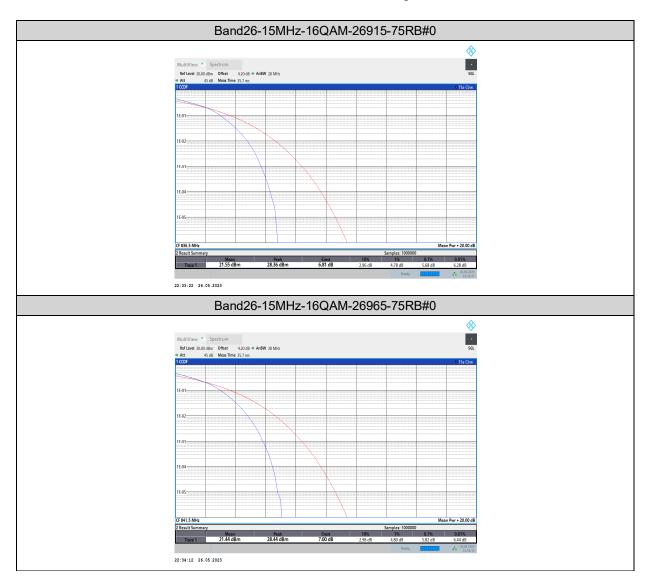
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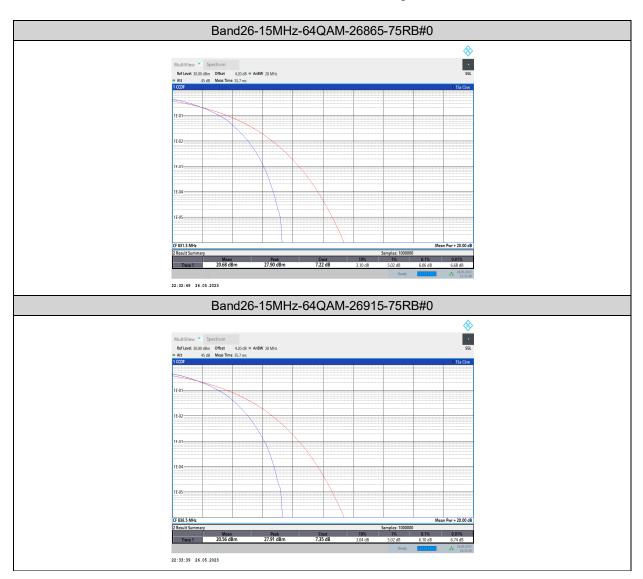
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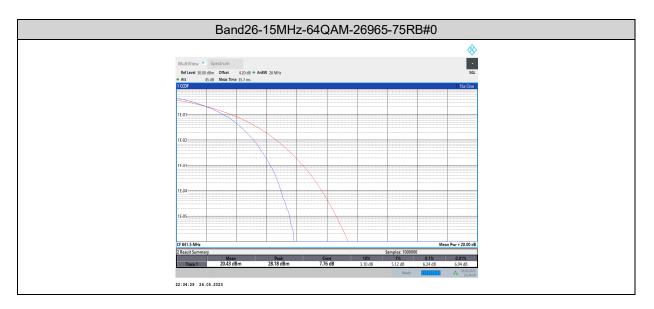
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#### **Modulation Characteristics**

#### **Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band26	15MHz	QPSK	26915	75RB#0	PASS	PASS
Band26	15MHz	16QAM	26915	75RB#0	PASS	PASS
Band26	15MHz	64QAM	26915	75RB#0	PASS	PASS



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#### **Test Graphs**





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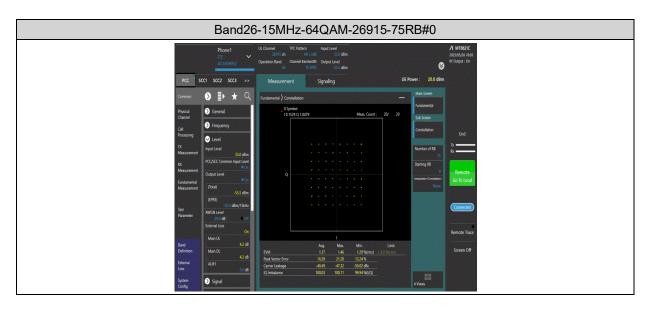
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#### 26dB Bandwidth and Occupied Bandwidth

#### **Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.089	1.30	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.080	1.25	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.086	1.28	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.092	1.30	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.102	1.32	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.101	1.33	PASS
Band26	1.4MHz	64QAM	26797	6RB#0	1.091	1.26	PASS
Band26	1.4MHz	64QAM	26915	6RB#0	1.099	1.28	PASS
Band26	1.4MHz	64QAM	27033	6RB#0	1.102	1.30	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.694	2.91	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.689	2.91	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.683	2.93	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.696	2.93	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.682	2.93	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.683	2.92	PASS
Band26	3MHz	64QAM	26805	15RB#0	2.677	2.90	PASS
Band26	3MHz	64QAM	26915	15RB#0	2.700	2.92	PASS
Band26	3MHz	64QAM	27025	15RB#0	2.690	2.90	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.475	4.69	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.464	4.84	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.472	4.78	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.470	4.84	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.472	4.77	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.467	4.84	PASS
Band26	5MHz	64QAM	26815	25RB#0	4.483	4.78	PASS
Band26	5MHz	64QAM	26915	25RB#0	4.474	4.79	PASS
Band26	5MHz	64QAM	27015	25RB#0	4.478	4.85	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.912	9.60	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.944	9.47	PASS



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Band26	10MHz	QPSK	26990	50RB#0	8.964	9.57	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.940	9.53	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.959	9.47	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.940	9.60	PASS
Band26	10MHz	64QAM	26840	50RB#0	8.957	9.60	PASS
Band26	10MHz	64QAM	26915	50RB#0	8.946	9.50	PASS
Band26	10MHz	64QAM	26990	50RB#0	8.930	9.60	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.538	14.55	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.525	14.60	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.470	14.65	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.463	14.55	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.476	14.50	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.467	14.50	PASS
Band26	15MHz	64QAM	26865	75RB#0	13.466	14.65	PASS
Band26	15MHz	64QAM	26915	75RB#0	13.461	14.45	PASS
Band26	15MHz	64QAM	26965	75RB#0	13.447	14.65	PASS



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#### **Test Graphs**





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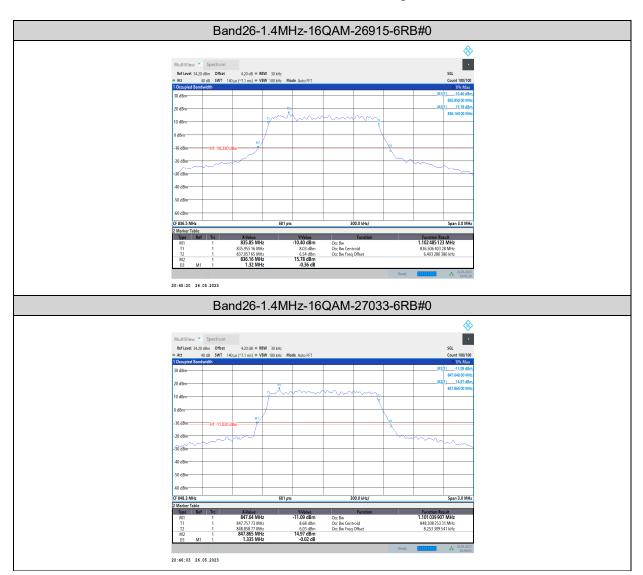
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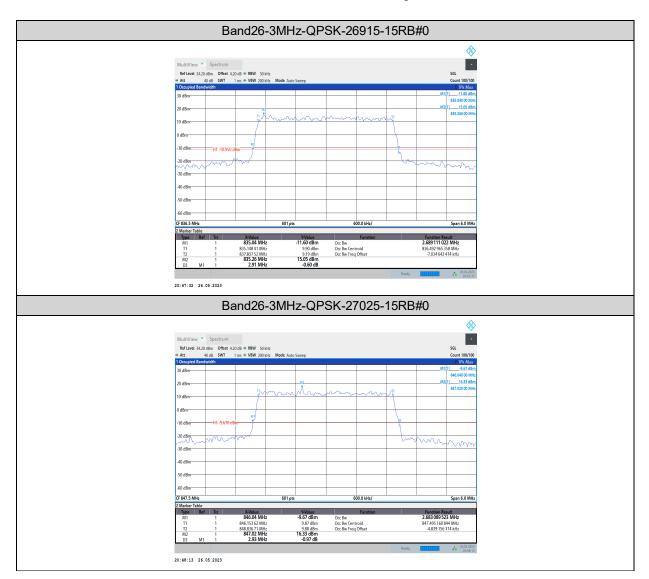
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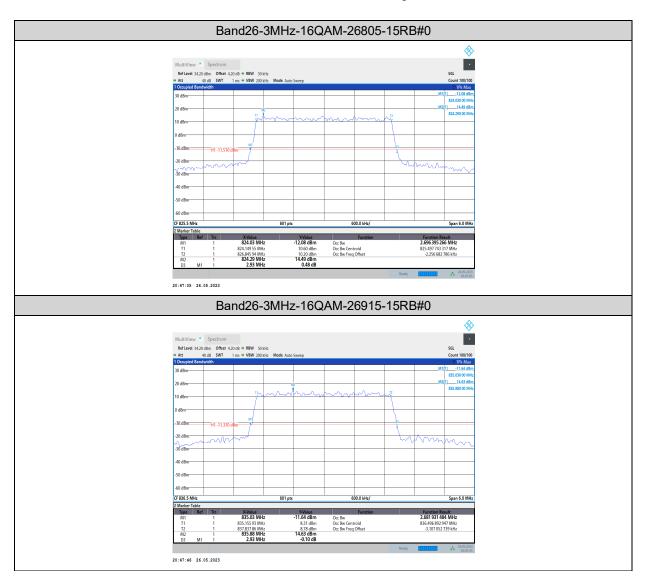
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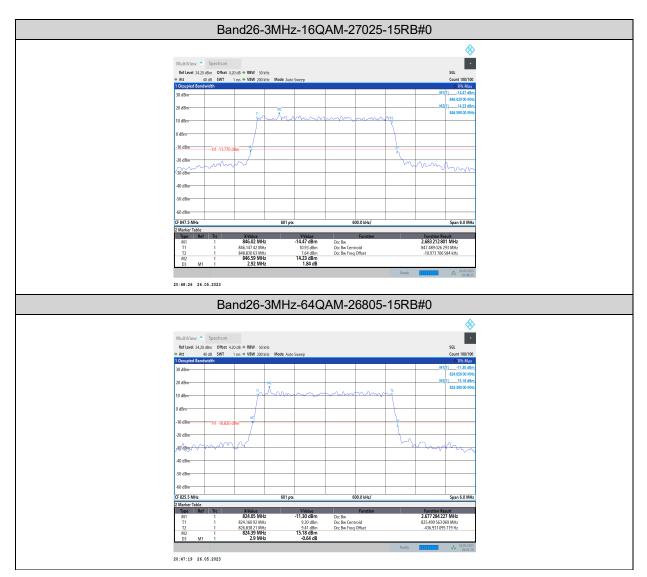
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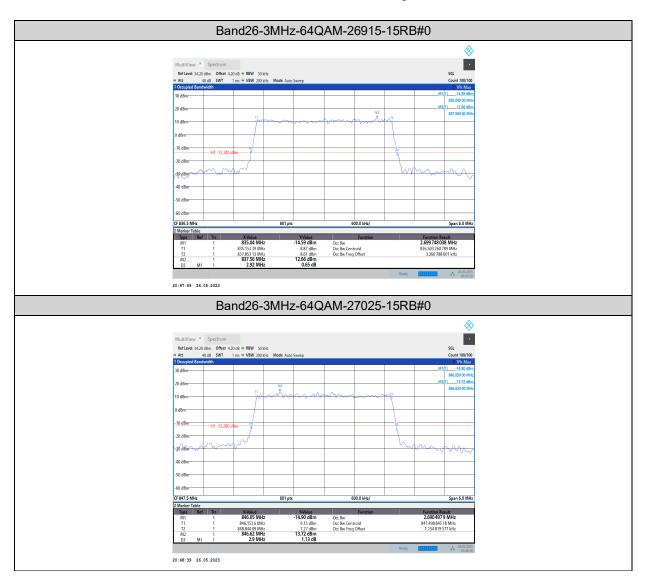
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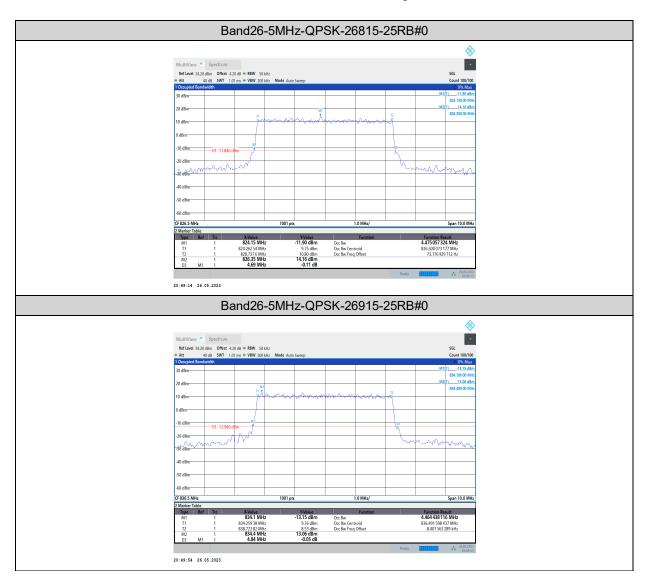
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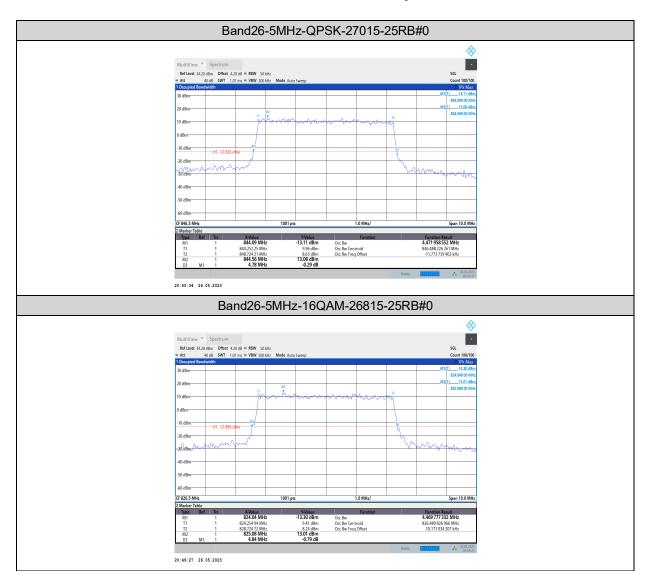
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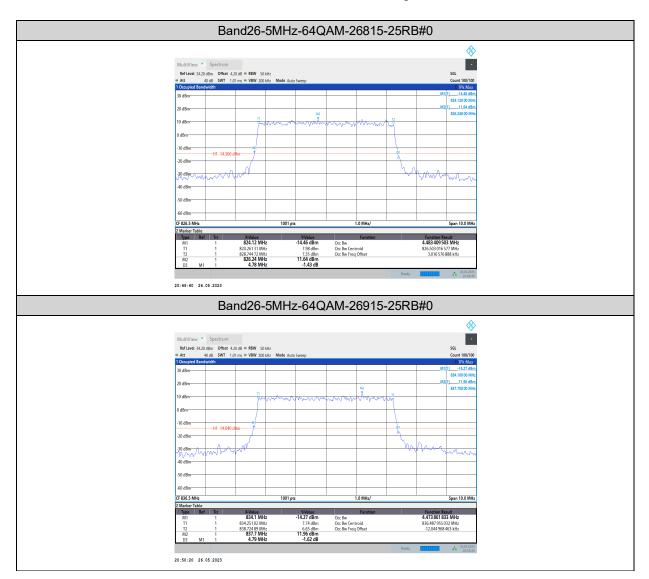
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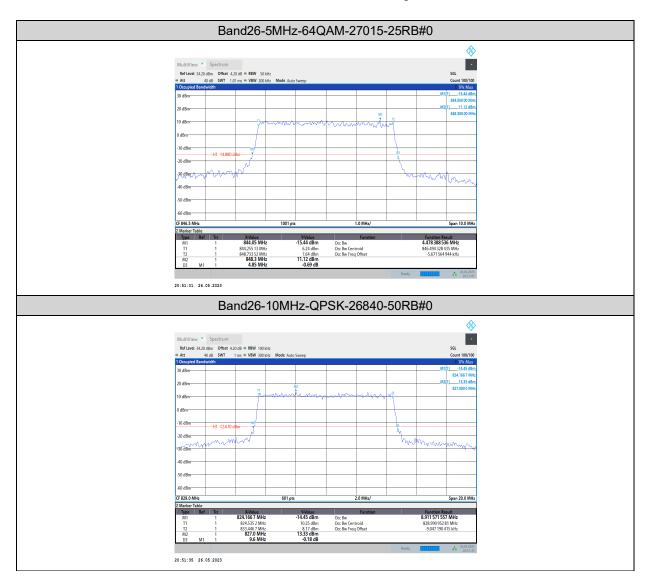
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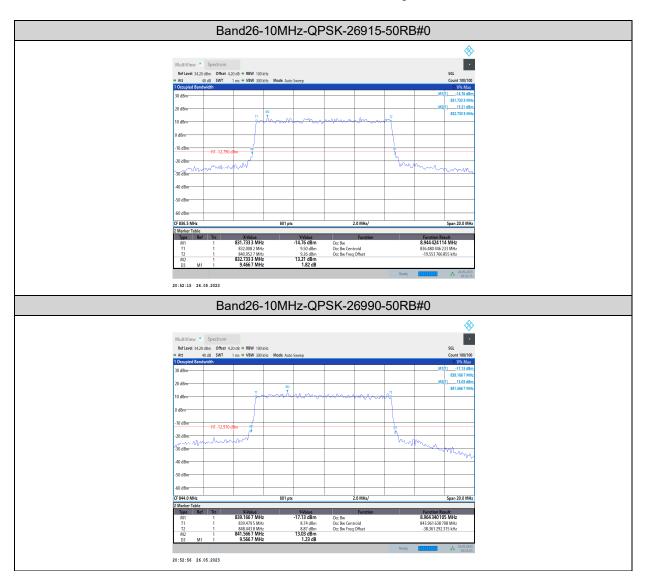
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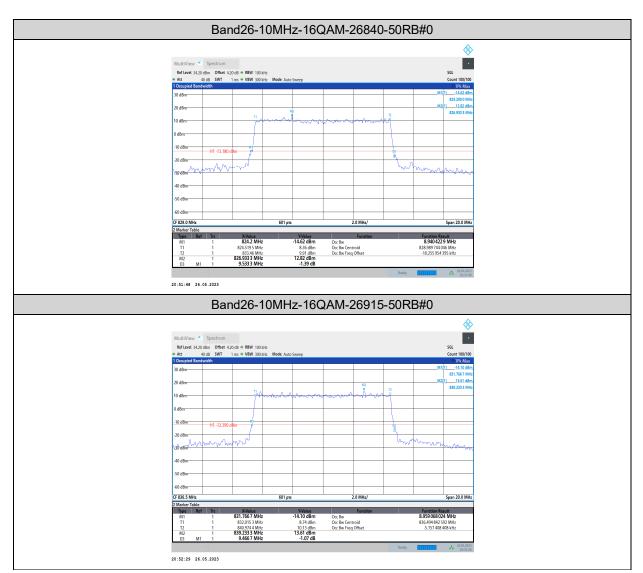
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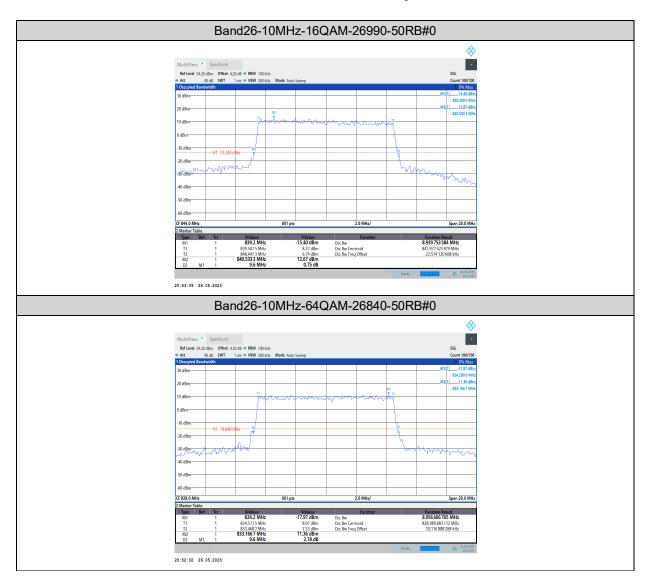
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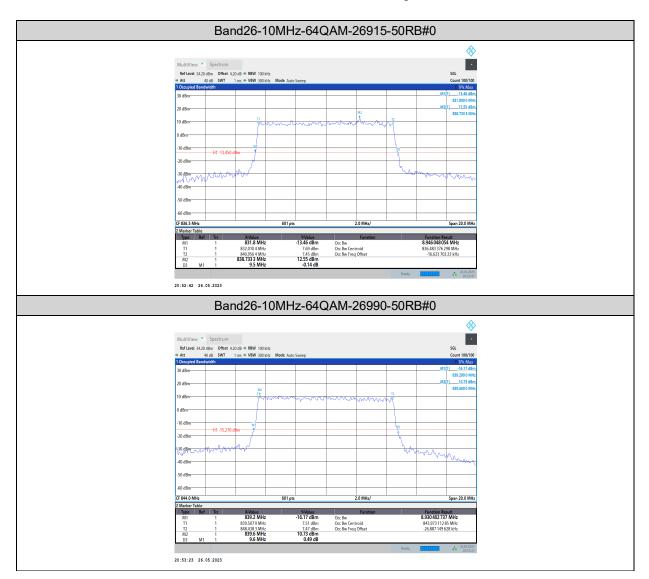
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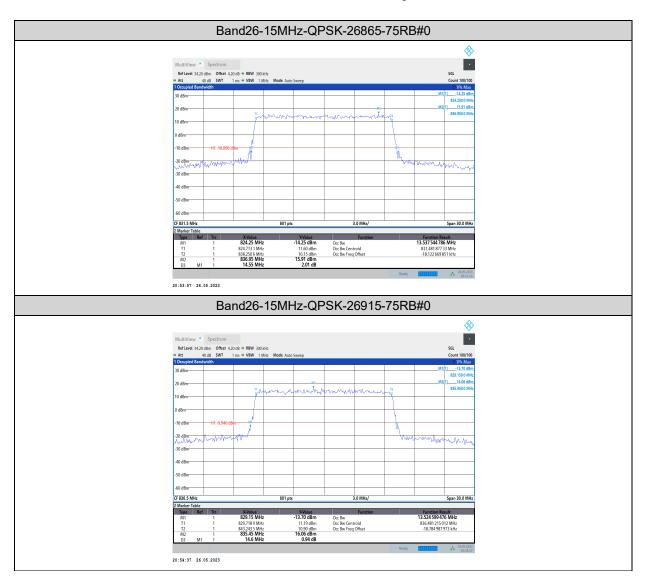
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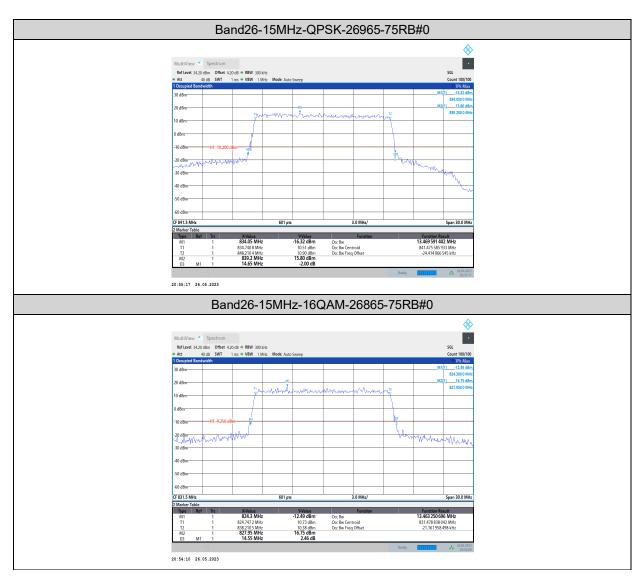
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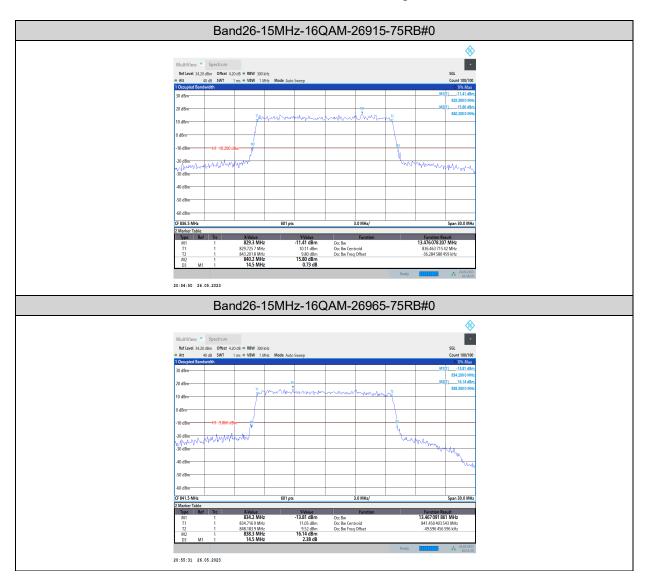
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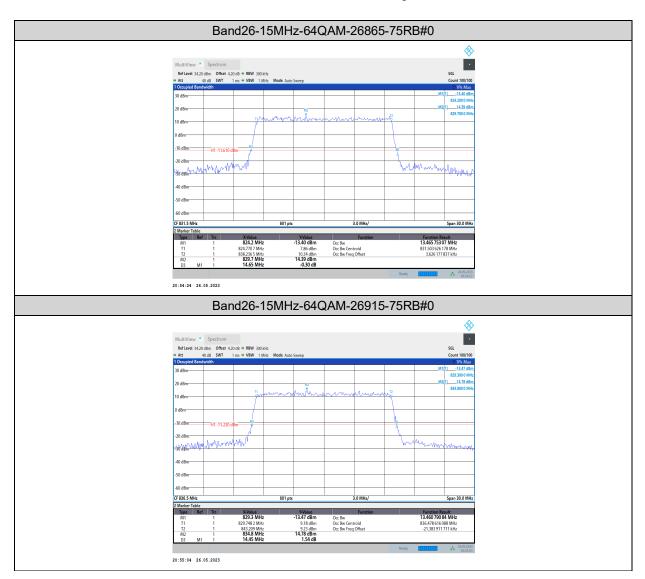
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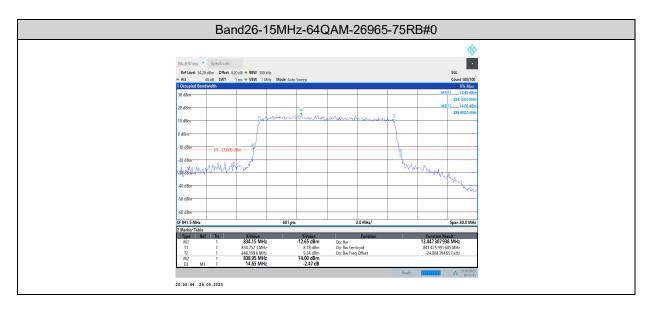
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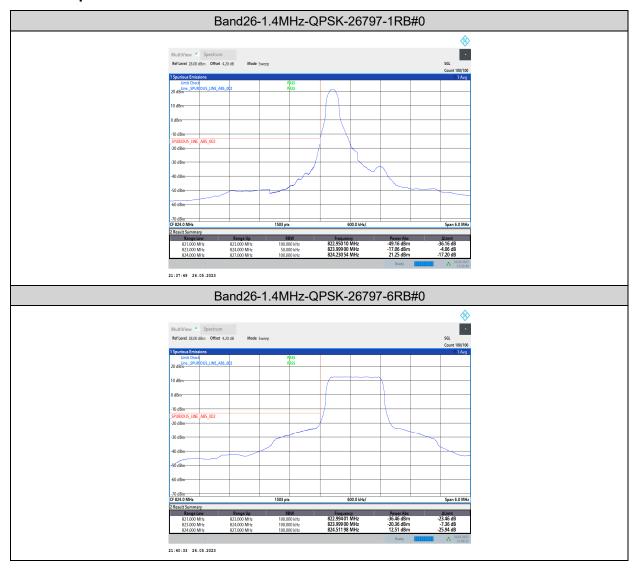
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#### **Band Edge**

#### **Test Graphs**





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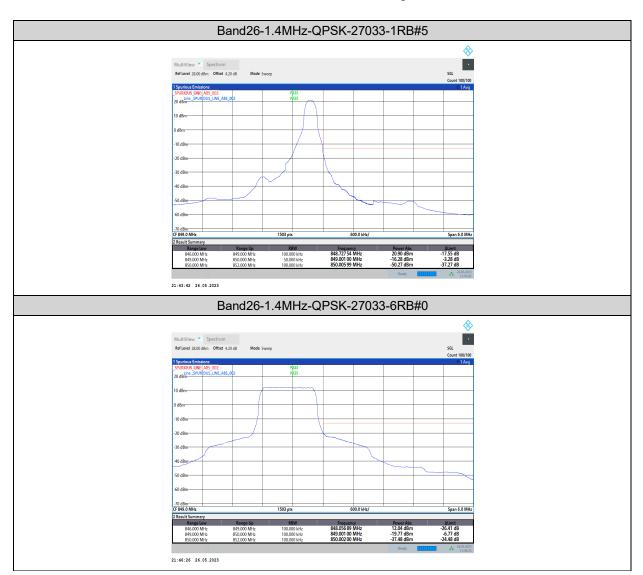
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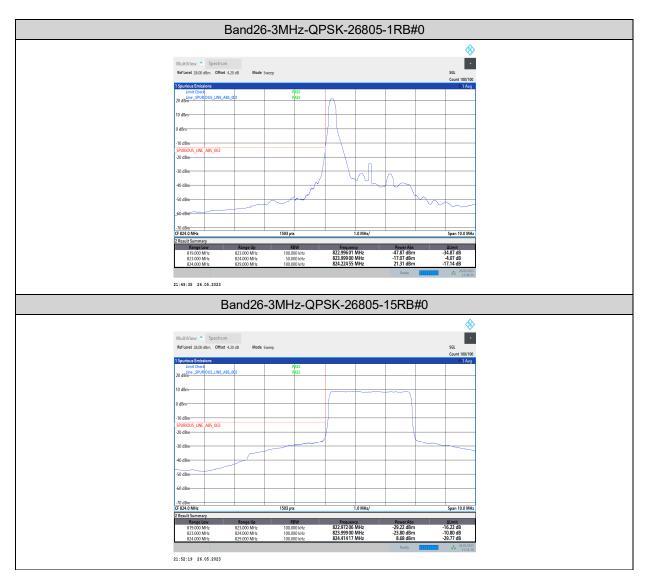
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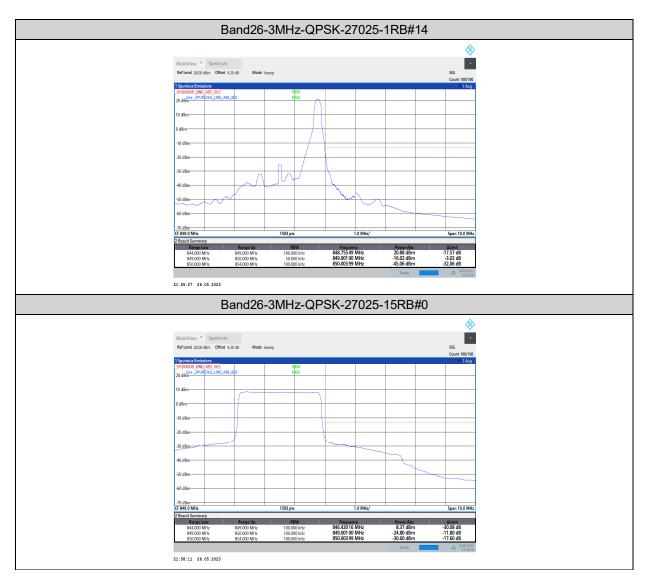
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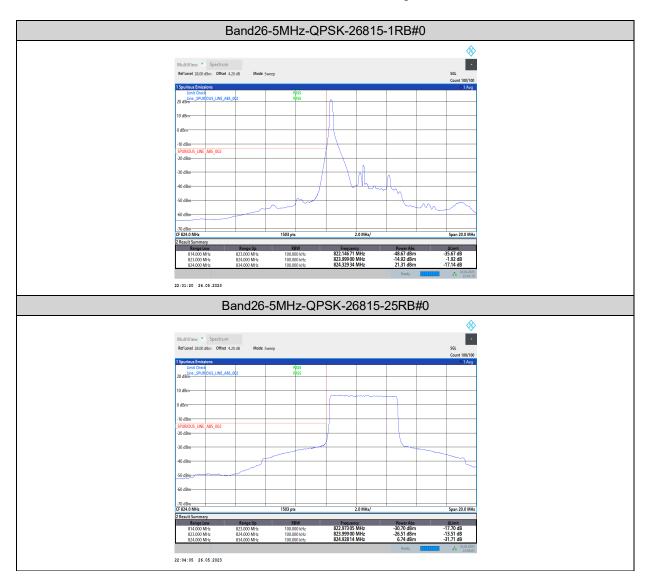
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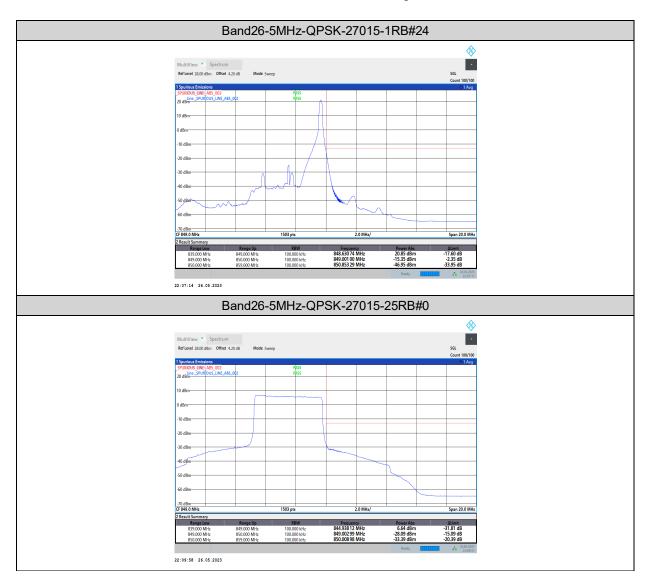
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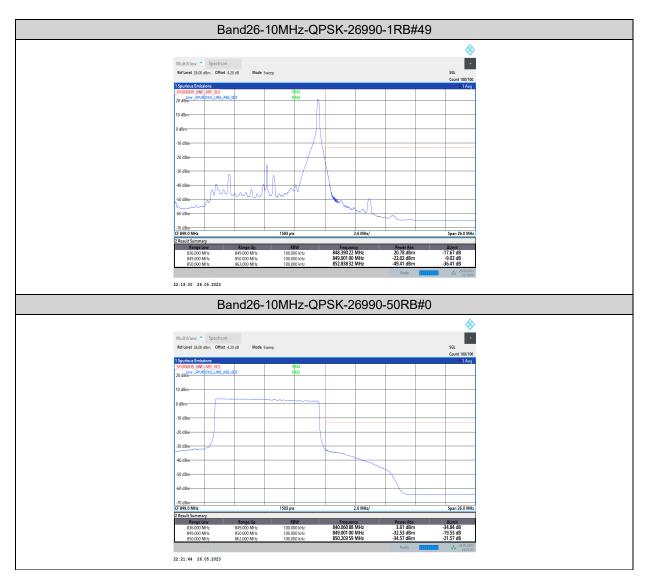
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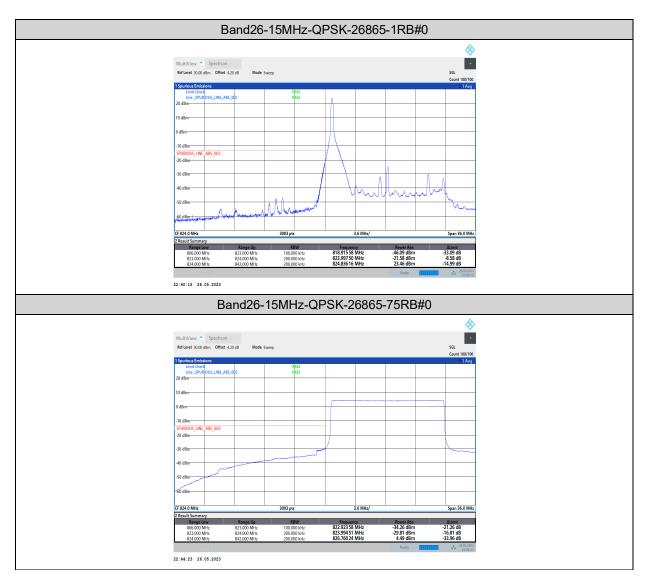
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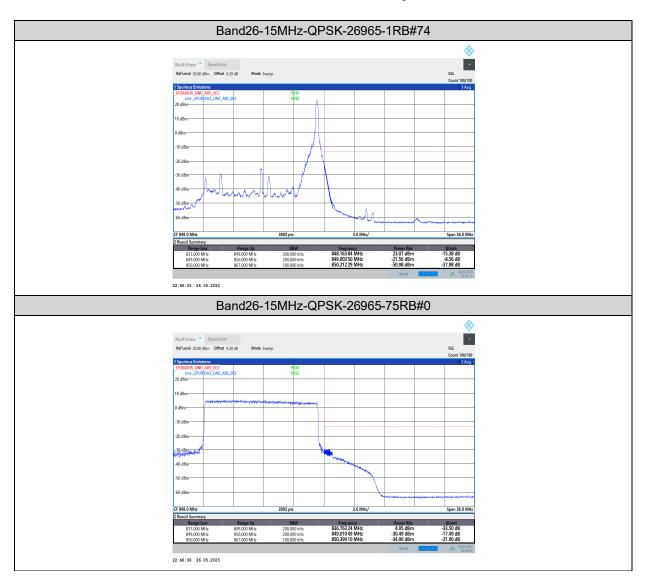
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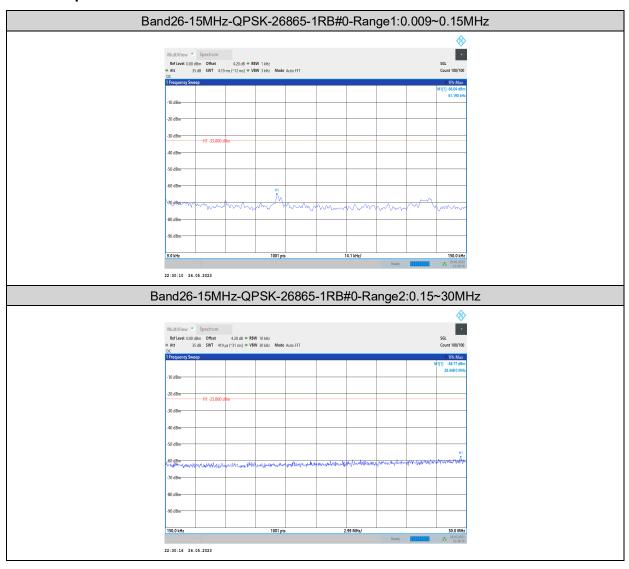
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### **Conducted Spurious Emission**

#### **Test Graphs**





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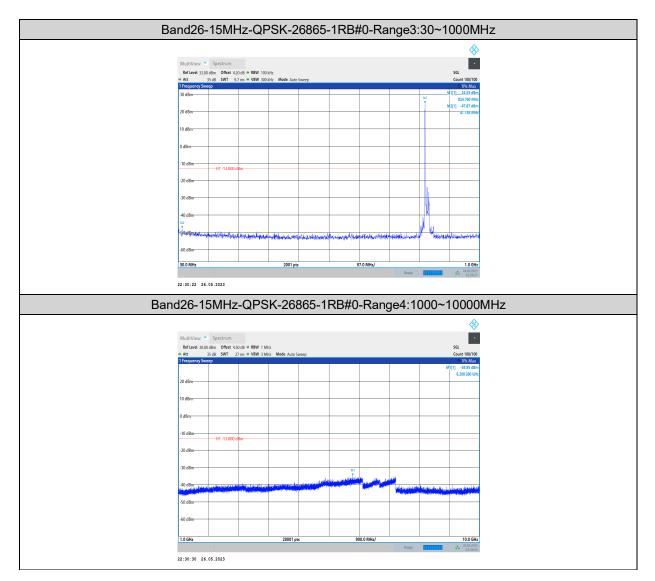
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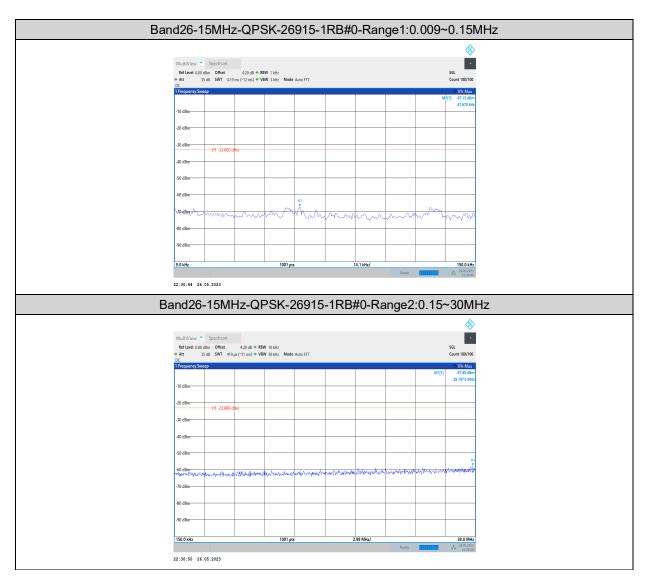
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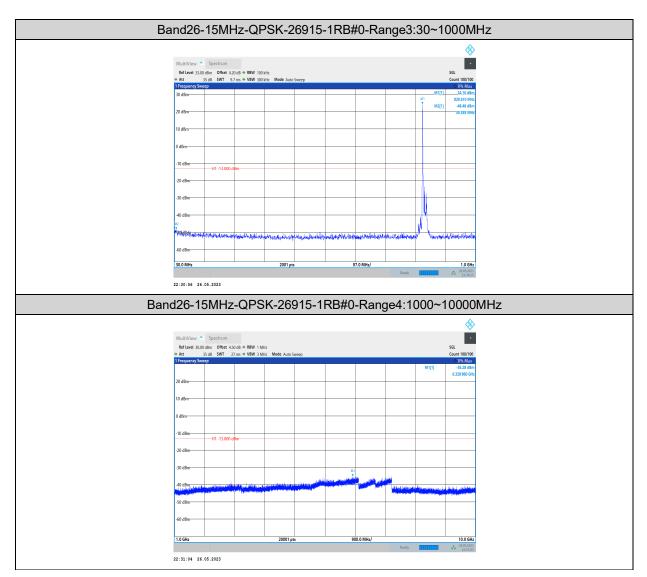
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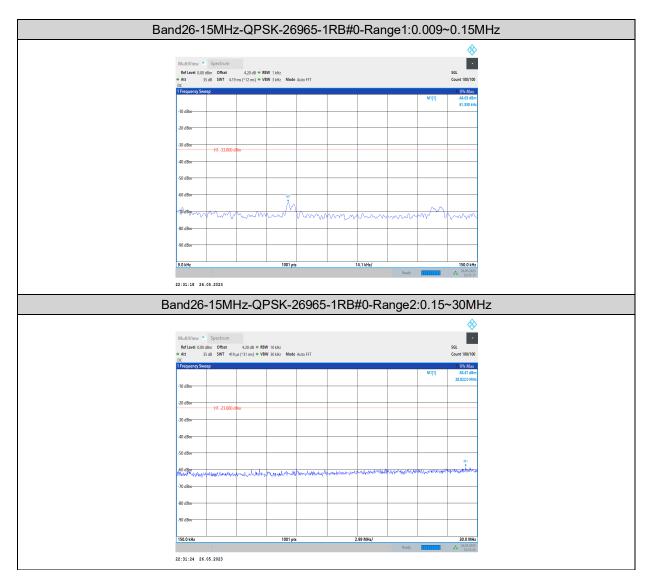
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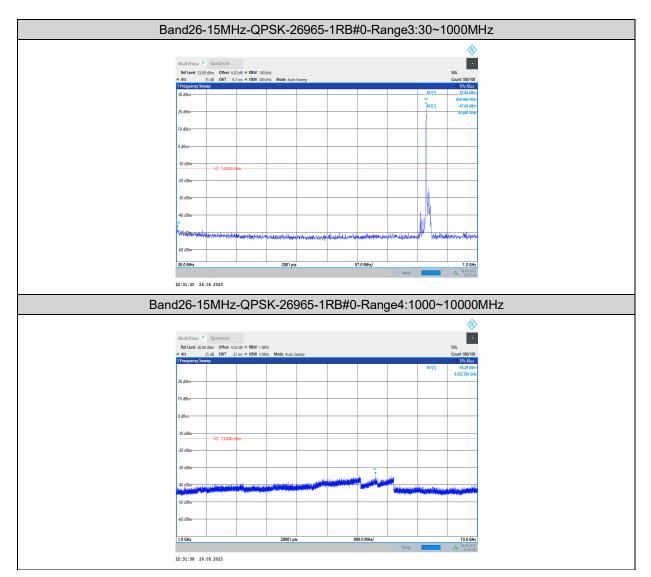
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### Field Strength of Spurious Radiation

Test Band = LTE Band 26 \_ TM1-15M\_ Ant13 **Test Channel = Low Channel** 

Data	a List									
NO	Frequency	Reading	Factor	Λ.Γ.Ι.D./:1	Level	Limit	Margin	Height	Angle	Dalawita
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1649.68	60.46	-48.38	25.58	-57.61	-13.00	44.61	147	357	Horizontal
2	2474.52	48.01	-46.96	27.85	-66.36	-13.00	53.36	259	314	Horizontal
3	3299.36	43.22	-46.11	29.48	-68.67	-13.00	55.67	163	360	Horizontal
4	4124.2	41.77	-45.34	30.80	-68.03	-13.00	55.03	284	15	Horizontal
5	4949.04	41.73	-45.08	32.48	-66.13	-13.00	53.13	172	330	Horizontal
6	5773.88	41.75	-43.52	33.48	-63.56	-13.00	50.56	169	360	Horizontal

Data	a List									
NO	Frequency	Reading	Factor	Λ.Γ.Ι.D./:1	Level	Limit	Margin	Height	Angle	Dalawita
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1649.68	52.13	-48.38	25.58	-65.94	-13.00	52.94	145	50	Vertical
2	2474.52	43.25	-46.96	27.85	-71.12	-13.00	58.12	290	253	Vertical
3	3299.36	43.99	-46.11	29.48	-67.90	-13.00	54.90	163	301	Vertical
4	4124.2	41.77	-45.34	30.80	-68.03	-13.00	55.03	288	64	Vertical
5	4949.04	42.11	-45.08	32.48	-65.75	-13.00	52.75	145	253	Vertical
6	5773.88	41.81	-43.52	33.48	-63.50	-13.00	50.50	261	316	Vertical



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#### Test Band = LTE Band 26 \_ TM1-15M \_ Ant13 **Test Channel = Mid Channel**

Data	a List									
NO.	Frequency	Reading	Factor	Λ Γ[dP/m]	Level	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1659.5556	66.31	-48.35	25.57	-51.73	-13.00	38.73	147	359	Horizontal
2	2489.52	43.68	-46.83	27.88	-70.53	-13.00	57.53	204	124	Horizontal
3	3319.36	43.13	-46.14	29.47	-68.80	-13.00	55.80	196	202	Horizontal
4	4149.2	41.96	-45.26	30.84	-67.72	-13.00	54.72	234	216	Horizontal
5	4979.04	42.04	-45.04	32.55	-65.71	-13.00	52.71	127	172	Horizontal
6	5805.88	42.06	-43.49	33.58	-63.11	-13.00	50.11	183	172	Horizontal

Data	a List									
NO.	Frequency	Reading	Factor	AF[dB/m]	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV]	[dB]	Ar[ub/III]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polanty
1	1659.5556	58.91	-48.35	25.57	-59.13	-13.00	46.13	142	284	Vertical
2	2489.52	43.69	-46.83	27.88	-70.52	-13.00	57.52	156	298	Vertical
3	3319.36	43.37	-46.14	29.47	-68.56	-13.00	55.56	289	219	Vertical
4	4149.2	41.93	-45.26	30.84	-67.75	-13.00	54.75	233	234	Vertical
5	4979.04	42.20	-45.04	32.55	-65.55	-13.00	52.55	141	110	Vertical
6	5805.88	42.22	-43.49	33.58	-62.95	-13.00	49.95	175	3	Vertical



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#### Test Band = LTE Band 26 \_ TM1-15M \_ Ant13 **Test Channel = High Channel**

Data	a List									
NO	Frequency	Reading	Factor	AFFID/1	Level	Limit	Margin	Height	Angle	Dalarita
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1669.68	70.22	-48.32	25.57	-47.80	-13.00	34.80	128	359	Horizontal
2	2504.52	43.93	-46.76	27.92	-70.18	-13.00	57.18	209	360	Horizontal
3	3339.36	43.10	-46.18	29.46	-68.87	-13.00	55.87	163	46	Horizontal
4	4174.2	41.57	-45.19	30.88	-68.00	-13.00	55.00	287	360	Horizontal
5	5009.04	42.42	-44.97	32.60	-65.21	-13.00	52.21	144	46	Horizontal
6	5843.88	42.62	-43.37	33.70	-62.31	-13.00	49.31	162	248	Horizontal

Data List												
NO	Frequency	Reading	Factor	Λ Γ[d D/m]	Level	Limit	Margin	Height	Angle	Dolority		
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity		
1	1669.68	58.48	-48.32	25.57	-59.54	-13.00	46.54	177	45	Vertical		
2	2504.52	43.42	-46.76	27.92	-70.69	-13.00	57.69	280	111	Vertical		
3	3339.36	43.30	-46.18	29.46	-68.67	-13.00	55.67	156	235	Vertical		
4	4174.2	41.13	-45.19	30.88	-68.44	-13.00	55.44	297	78	Vertical		
5	5009.04	43.04	-44.97	32.60	-64.59	-13.00	51.59	142	280	Vertical		
6	5843.88	42.31	-43.37	33.70	-62.62	-13.00	49.62	155	45	Vertical		



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#### Test Band = LTE Band 26 \_ TM1 Part 22H-15M \_ Ant31 **Test Channel = Low Channel**

Data	a List									
NO.	Frequency	Reading	Factor	Λ Γ[d D/m]	Level	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1649.68	44.38	-48.38	25.58	-73.69	-13.00	60.69	174	33	Horizontal
2	2474.52	43.43	-46.96	27.85	-70.94	-13.00	57.94	259	33	Horizontal
3	3299.36	42.99	-46.11	29.48	-68.90	-13.00	55.90	168	298	Horizontal
4	4124.2	42.61	-45.34	30.80	-67.19	-13.00	54.19	234	96	Horizontal
5	4949.04	41.74	-45.08	32.48	-66.12	-13.00	53.12	142	315	Horizontal
6	5773.88	41.88	-43.52	33.48	-63.43	-13.00	50.43	247	190	Horizontal

Data	a List									
NO.	Frequency	Reading	Factor	Λ Γ[d D/m]	Level	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1649.68	44.08	-48.38	25.58	-73.99	-13.00	60.99	218	187	Vertical
2	2474.52	43.55	-46.96	27.85	-70.82	-13.00	57.82	195	357	Vertical
3	3299.36	43.24	-46.11	29.48	-68.65	-13.00	55.65	168	31	Vertical
4	4124.2	42.44	-45.34	30.80	-67.36	-13.00	54.36	274	297	Vertical
5	4949.04	42.19	-45.08	32.48	-65.67	-13.00	52.67	145	218	Vertical
6	5773.88	41.75	-43.52	33.48	-63.56	-13.00	50.56	206	0	Vertical



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# Test Band = LTE Band 26 \_ TM1 Part 22H-15M \_ Ant31 Test Channel = Mid Channel

Data	a List									
NO.	Frequency	Reading	Factor	Λ Γ[d D/m]	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polanty
1	1659.68	44.42	-48.35	25.57	-73.62	-13.00	60.62	211	76	Horizontal
2	2489.52	44.17	-46.83	27.88	-70.04	-13.00	57.04	134	187	Horizontal
3	3319.36	43.30	-46.14	29.47	-68.63	-13.00	55.63	275	203	Horizontal
4	4149.2	42.65	-45.26	30.84	-67.03	-13.00	54.03	189	344	Horizontal
5	4979.04	42.07	-45.04	32.55	-65.68	-13.00	52.68	246	344	Horizontal
6	5805.88	41.92	-43.49	33.58	-63.25	-13.00	50.25	244	60	Horizontal

Data	a List									
NO.	Frequency	Reading	Factor	AF[dB/m]	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV]	[dB]	Ar[ub/III]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polanty
1	1659.68	44.20	-48.35	25.57	-73.84	-13.00	60.84	298	63	Vertical
2	2489.52	43.85	-46.83	27.88	-70.36	-13.00	57.36	176	8	Vertical
3	3319.36	43.18	-46.14	29.47	-68.75	-13.00	55.75	302	357	Vertical
4	4149.2	42.15	-45.26	30.84	-67.53	-13.00	54.53	142	284	Vertical
5	4979.04	42.57	-45.04	32.55	-65.18	-13.00	52.18	168	3	Vertical
6	5805.88	41.76	-43.49	33.58	-63.41	-13.00	50.41	218	188	Vertical



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# Test Band = LTE Band 26 \_ TM1 Part 22H-15M \_ Ant31 Test Channel = High Channel

Data	a List									
NO	Frequency	Reading	Factor	V [[4D/==]	Level	Limit	Margin	Height	Angle	Dalawita
NO.	[MHz]	[dBµV]	[dB]	AF[dB/m]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polarity
1	1669.68	44.28	-48.32	25.57	-73.74	-13.00	60.74	147	94	Horizontal
2	2504.52	43.72	-46.76	27.92	-70.39	-13.00	57.39	258	205	Horizontal
3	3339.36	43.14	-46.18	29.46	-68.83	-13.00	55.83	194	31	Horizontal
4	4174.2	42.17	-45.19	30.88	-67.40	-13.00	54.40	215	142	Horizontal
5	5009.04	42.39	-44.97	32.60	-65.24	-13.00	52.24	163	94	Horizontal
6	5843.88	42.47	-43.37	33.70	-62.46	-13.00	49.46	207	126	Horizontal

Data	a List									
NO.	Frequency	Reading	Factor	AF[dB/m]	Level	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV]	[dB]	Ar[ub/III]	[dBm]	[dBm]	[dB]	[cm]	[°]	Polanty
1	1669.68	44.73	-48.32	25.57	-73.29	-13.00	60.29	218	231	Vertical
2	2504.52	43.56	-46.76	27.92	-70.55	-13.00	57.55	199	14	Vertical
3	3339.36	43.28	-46.18	29.46	-68.69	-13.00	55.69	254	137	Vertical
4	4174.2	41.75	-45.19	30.88	-67.82	-13.00	54.82	186	1	Vertical
5	5009.04	42.34	-44.97	32.60	-65.29	-13.00	52.29	235	357	Vertical
6	5843.88	42.31	-43.37	33.70	-62.62	-13.00	49.62	187	120	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**

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temper ature (°ℂ)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	-4.50	-0.005380	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	-7.80	-0.009325	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	-2.00	-0.002391	±2.5	PASS

Temperature											
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temper ature (°ℂ)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict	
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	-3.30	-0.003945	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	-0.40	-0.000478	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	-10	-2.00	-0.002391	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	0	-1.20	-0.001435	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	10	-1.10	-0.001315	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	20	-0.90	-0.001076	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	30	1.20	0.001435	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	40	-3.00	-0.003586	±2.5	PASS	
Band26	15MHz	QPSK	26915	75RB#0	NV	50	-4.30	-0.005140	±2.5	PASS	

---End of Attachment---



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