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Appendix B

E-UTRA Band 5



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Ponde	1 4111-	QPSK	20407	_			38.45	PASS
Band5 Band5	1.4MHz 1.4MHz	QPSK	20407	1RB#0 1RB#2	22.50	24.35 24.70	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.75	24.60	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.86	24.71	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.97	24.82	38.45	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.74	24.59	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	21.87	23.72	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.09	24.94	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.18	25.03	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.05	24.90	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.09	24.94	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.18	25.03	38.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.18	25.03	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.21	24.06	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.16	25.01	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.33	25.18	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.25	25.10	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.13	24.98	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.04	24.89	38.45	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.06	24.91	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.19	24.04	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.03	23.88	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.14	23.99	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.89	23.74	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.04	23.89	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.97	23.82	38.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.93	23.78	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	20.88	22.73	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.45	24.30	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.38	24.23	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.39	24.24	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.28	24.13	38.45	PASS



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		T	1	T	ı	ı	ı	
Band5	1.4MHz	16QAM	20525	3RB#1	22.32	24.17	38.45	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.15	24.00	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.26	23.11	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.31	24.16	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.28	24.13	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.38	24.23	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.24	24.09	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.34	24.19	38.45	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.20	24.05	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.34	23.19	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.85	24.70	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.84	24.69	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.69	24.54	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#0	21.77	23.62	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#4	21.89	23.74	38.45	PASS
Band5	3MHz	QPSK	20415	8RB#7	21.87	23.72	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	21.81	23.66	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.20	25.05	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.14	24.99	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.15	25.00	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.21	24.06	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.20	24.05	38.45	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.23	24.08	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.27	24.12	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.47	25.32	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.36	25.21	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.32	25.17	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.35	24.20	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.31	24.16	38.45	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.28	24.13	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.28	24.13	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.20	24.05	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.94	23.79	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	21.94	23.79	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#0	20.95	22.80	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#4	20.93	22.78	38.45	PASS
Band5	3MHz	16QAM	20415	8RB#7	20.87	22.72	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	20.86	22.71	38.45	PASS



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		Т	1	Γ	Г	T	T	Π
Band5	3MHz	16QAM	20525	1RB#0	22.52	24.37	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.43	24.28	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.55	24.40	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.32	23.17	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.22	23.07	38.45	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.33	23.18	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.22	23.07	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.62	24.47	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.47	24.32	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.62	24.47	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.38	23.23	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.38	23.23	38.45	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.37	23.22	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.36	23.21	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.87	24.72	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.92	24.77	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.93	24.78	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#0	21.94	23.79	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#6	21.81	23.66	38.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.79	23.64	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	21.90	23.75	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.33	25.18	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.34	25.19	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.17	25.02	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.28	24.13	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.29	24.14	38.45	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.26	24.11	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.39	24.24	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.39	25.24	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.38	25.23	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.28	25.13	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.31	24.16	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.37	24.22	38.45	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.38	24.23	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.30	24.15	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.15	24.00	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.04	23.89	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.20	24.05	38.45	PASS



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			ı	Т	Τ	1	ı	1
Band5	5MHz	16QAM	20425	12RB#0	21.04	22.89	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#6	20.89	22.74	38.45	PASS
Band5	5MHz	16QAM	20425	12RB#13	20.89	22.74	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	20.96	22.81	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.61	24.46	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.67	24.52	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.62	24.47	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.33	23.18	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.30	23.15	38.45	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.34	23.19	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.28	23.13	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.72	24.57	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.48	24.33	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.49	24.34	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.40	23.25	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.41	23.26	38.45	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.39	23.24	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.36	23.21	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.08	24.93	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.32	25.17	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.96	24.81	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#0	21.96	23.81	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#12	21.96	23.81	38.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.06	23.91	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.07	23.92	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.45	25.30	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.57	25.42	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.22	24.07	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.71	24.56	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.38	24.23	38.45	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.97	23.82	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.28	24.13	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.63	25.48	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.55	25.40	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.03	24.88	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.70	24.55	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.56	24.41	38.45	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.51	24.36	38.45	PASS



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Band5	10MHz	QPSK	20600	50RB#0	22.60	24.45	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.43	24.28	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.15	24.00	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.60	24.45	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#0	20.93	22.78	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.00	22.85	38.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.04	22.89	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.04	22.89	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.72	24.57	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.43	24.28	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.86	24.71	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.21	23.06	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.30	23.15	38.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.30	23.15	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.42	23.27	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.96	24.81	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.66	24.51	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.31	25.16	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.41	23.26	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.54	23.39	38.45	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.59	23.44	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.55	23.40	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



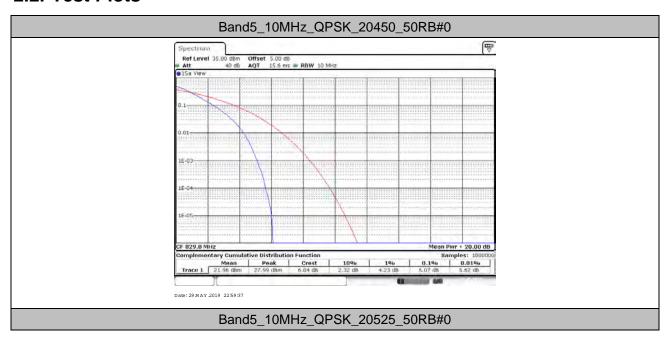
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.75	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.00	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.86	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.74	13	PASS

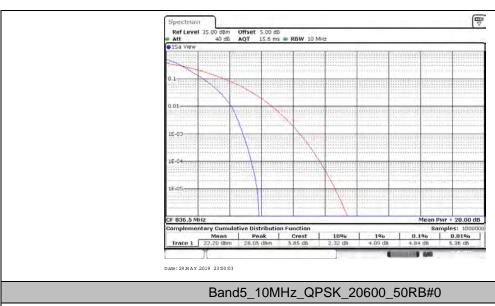
2.2. Test Plots

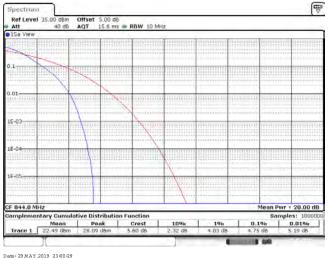




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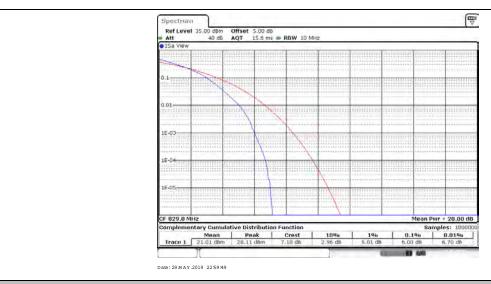


Band5_10MHz_16QAM_20450_50RB#0

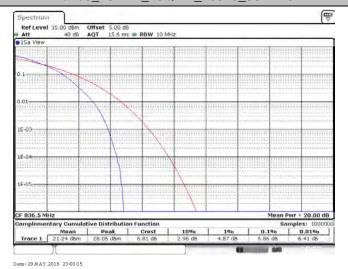


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Band5 10MHz 16QAM 20525 50RB#0

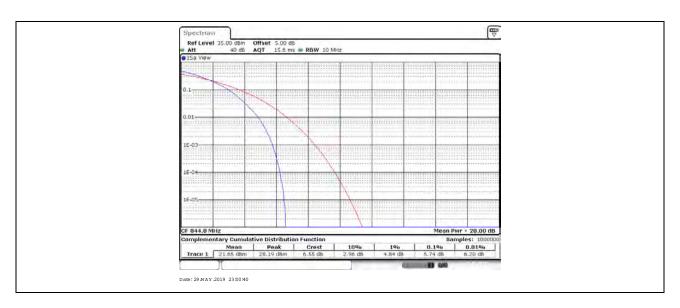


Band5_10MHz_16QAM_20600_50RB#0



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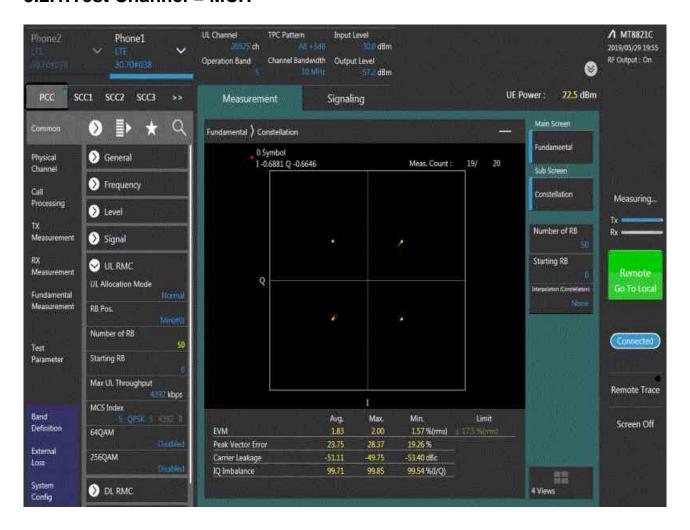




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3. Modulation Characteristics

- 3.1. Test BAND = LTE Band 5
- 3.2. Test Mode = LTE /TM1 10MHz
- 3.2.1.Test Channel = MCH

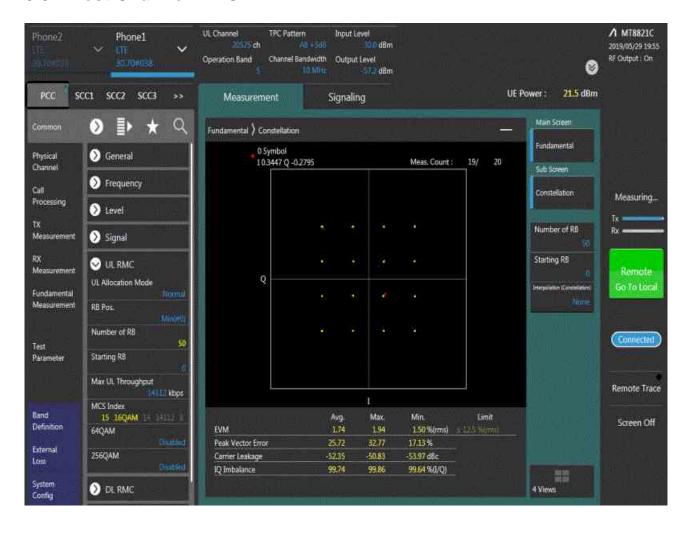




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3.3. Test Mode = LTE /TM2 10MHz

3.3.1.Test Channel = MCH





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4. 26dB Bandwidth and Occupied Bandwidth

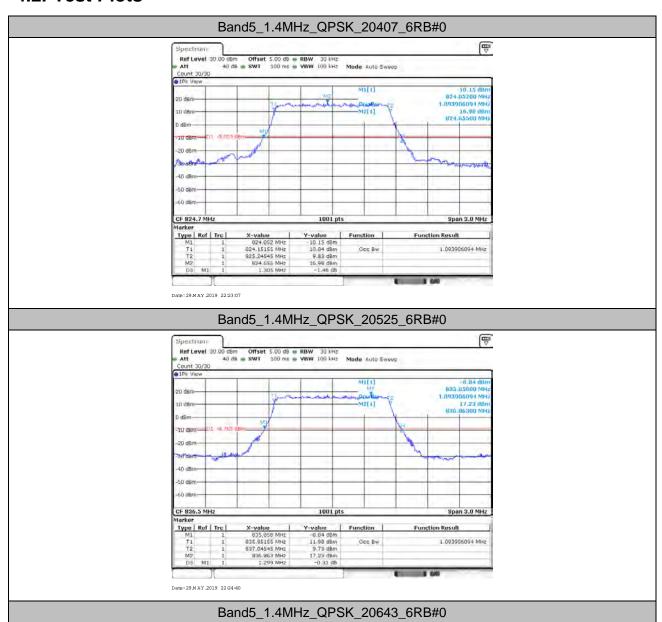
4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.094	1.305	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.094	1.299	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.097	1.323	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.100	1.308	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.097	1.305	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.100	1.314	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.703	2.988	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.703	2.982	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.697	2.976	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.691	2.988	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.697	2.988	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.691	2.994	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.466	4.930	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.486	4.920	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.476	4.930	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.476	4.990	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.476	4.910	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.466	4.840	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.951	9.820	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.931	9.620	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.931	9.740	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.951	9.720	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.931	9.700	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.911	9.660	PASS



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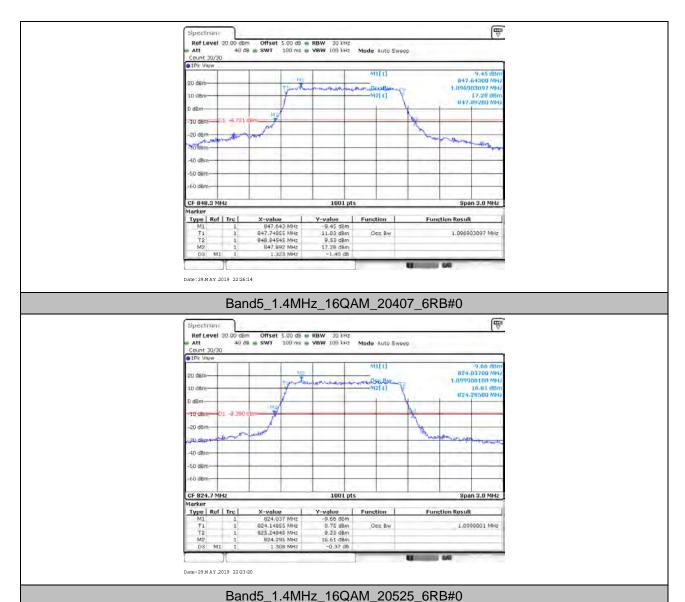
4.2. Test Plots





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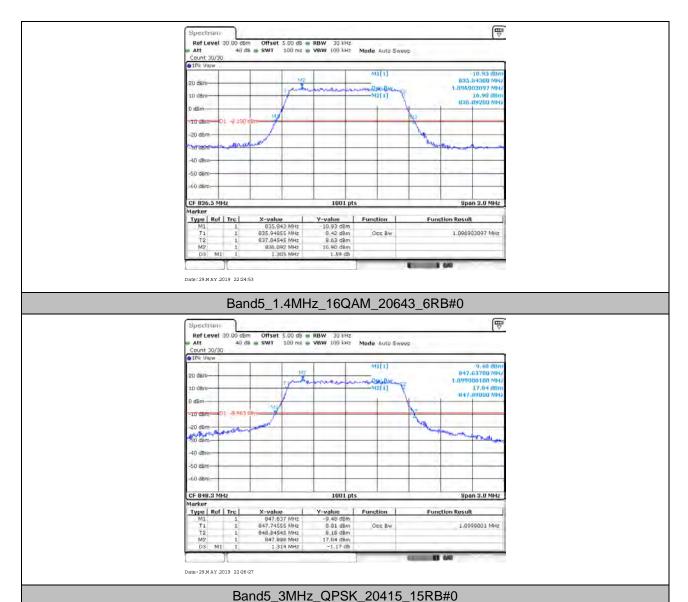
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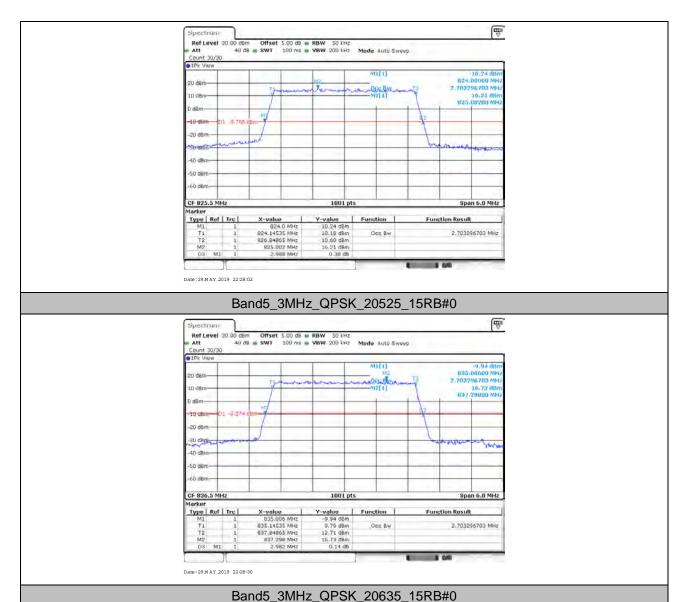
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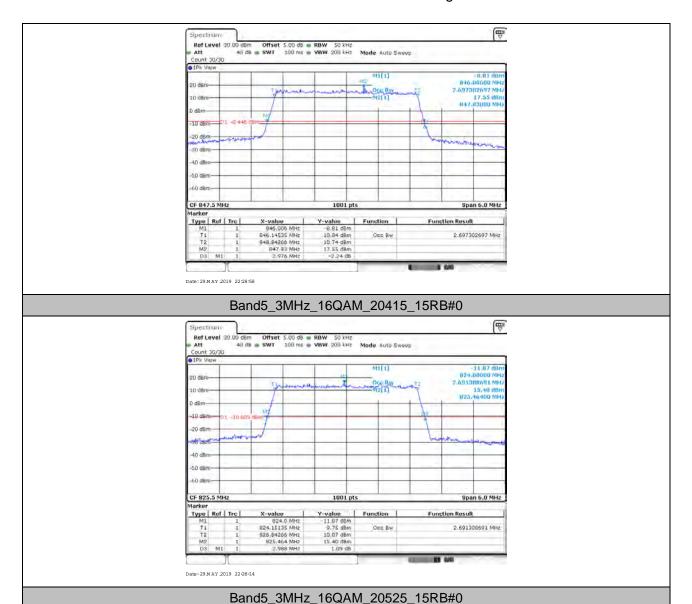
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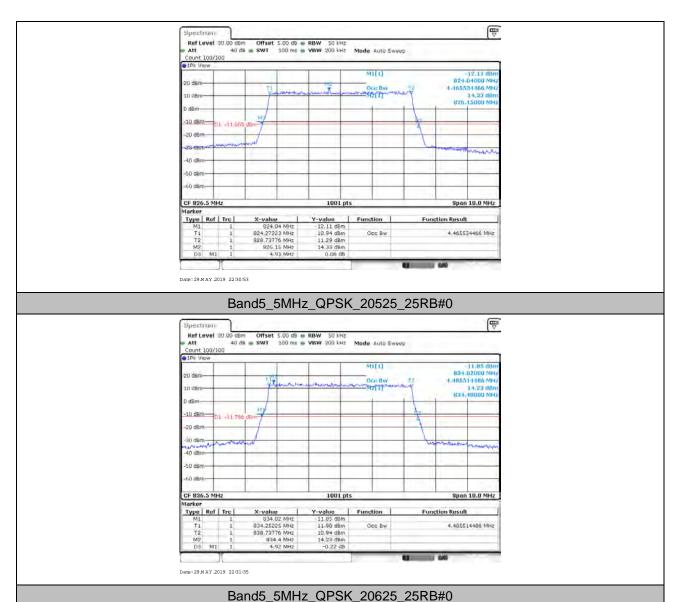
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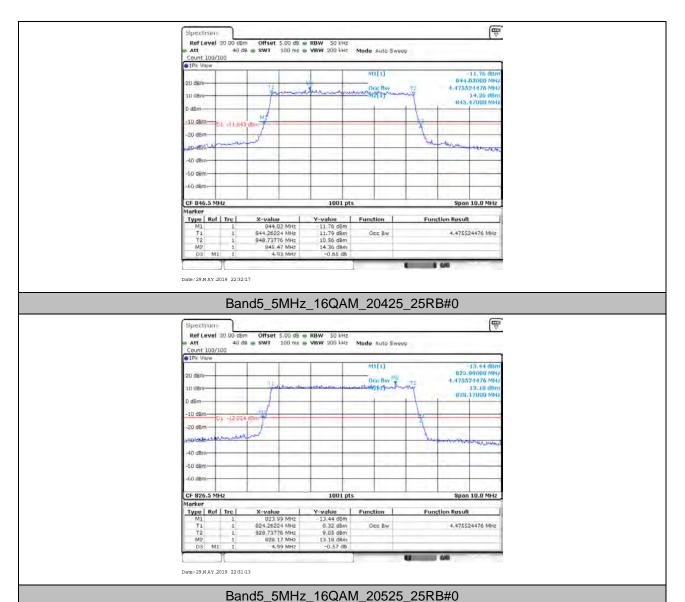
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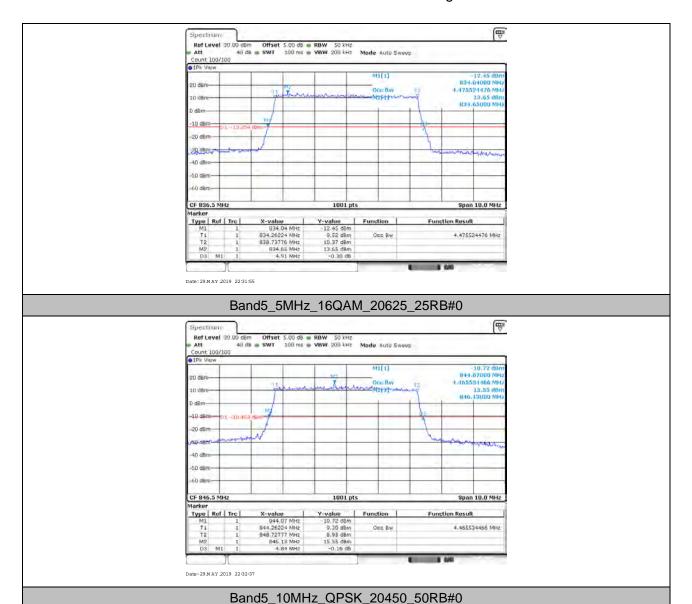
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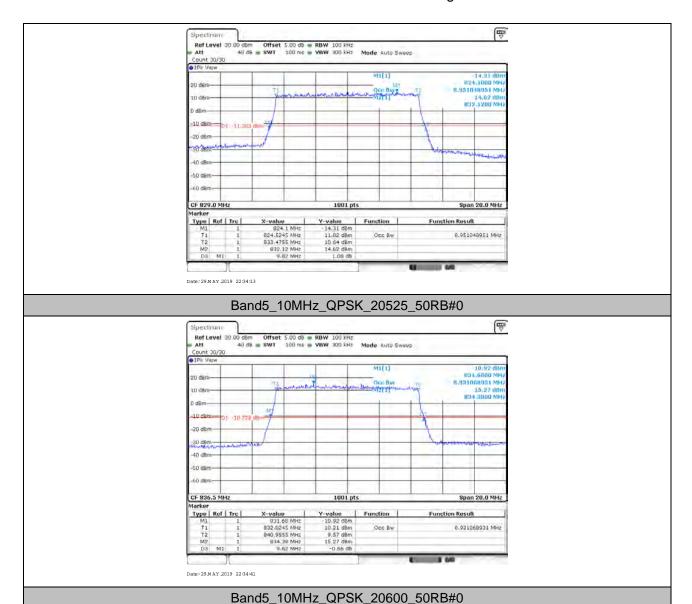
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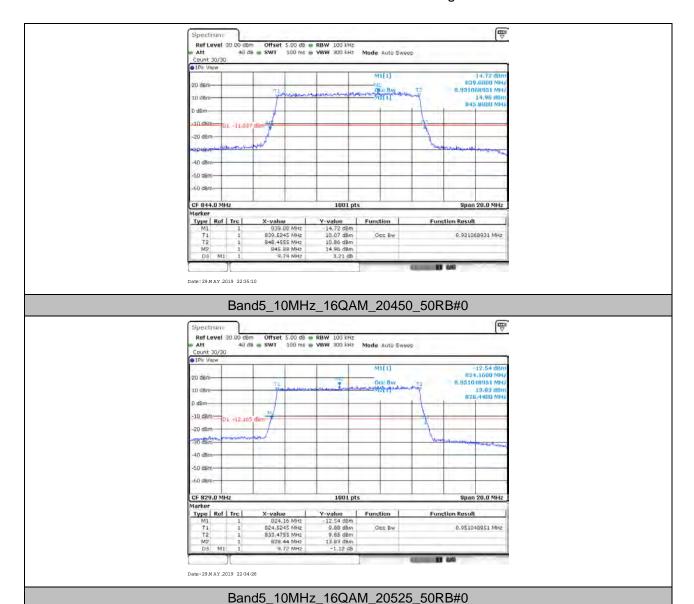
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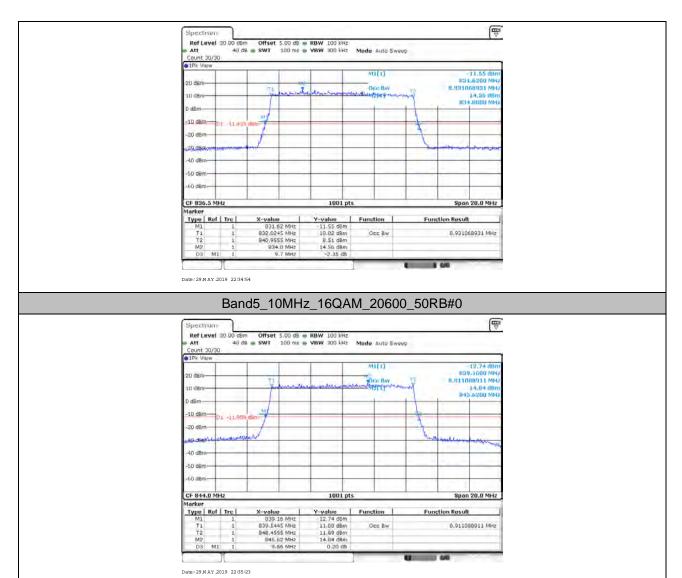
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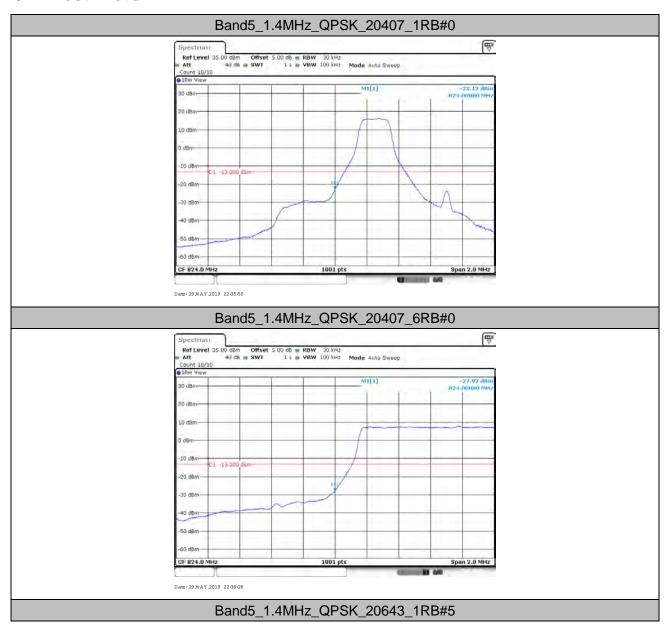
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5. Band Edge Compliance

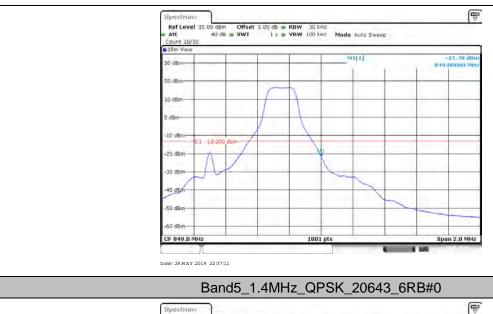
5.1. Test Plots





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Band5 1.4MHz 16QAM 20407 1RB#0



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Band5 1.4MHz 16QAM 20643 1RB#5



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Band5_1.4MHz_16QAM_20643_6RB#0



Band5 3MHz QPSK 20415 1RB#0



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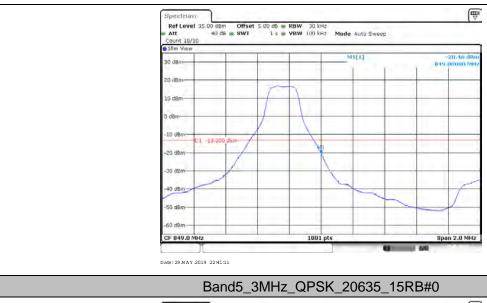


Band5 3MHz QPSK 20635 1RB#14



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Band5 3MHz 16QAM 20415 1RB#0



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Band5_3MHz_16QAM_20415_15RB#0

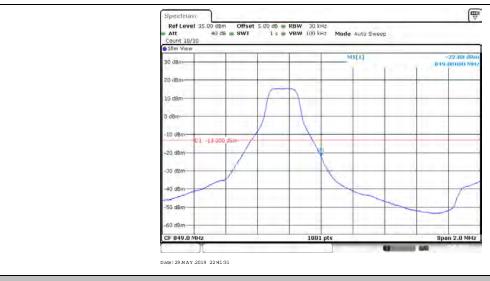


Band5_3MHz_16QAM_20635_1RB#14



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Band5_3MHz_16QAM_20635_15RB#0



Band5 5MHz QPSK 20425 1RB#0



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Band5_5MHz_QPSK_20425_25RB#0



Band5 5MHz QPSK 20625 1RB#24



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Band5_5MHz_QPSK_20625_25RB#0



Band5 5MHz 16QAM 20425 1RB#0



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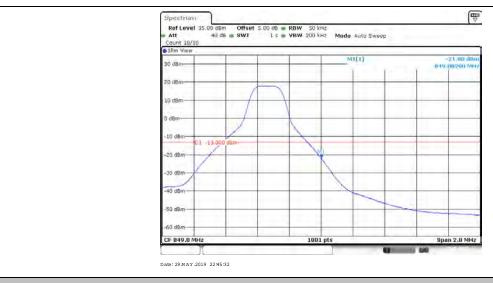


Band5_5MHz_16QAM_20625_1RB#24



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Band5_5MHz_16QAM_20625_25RB#0



Band5 10MHz QPSK 20450 1RB#0



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Band5_10MHz_QPSK_20450_50RB#0



Band5 10MHz QPSK 20600 1RB#49



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Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20450_1RB#0



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Band5_10MHz_16QAM_20450_50RB#0



Band5 10MHz 16QAM 20600 1RB#49



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Band5_10MHz_16QAM_20600_50RB#0





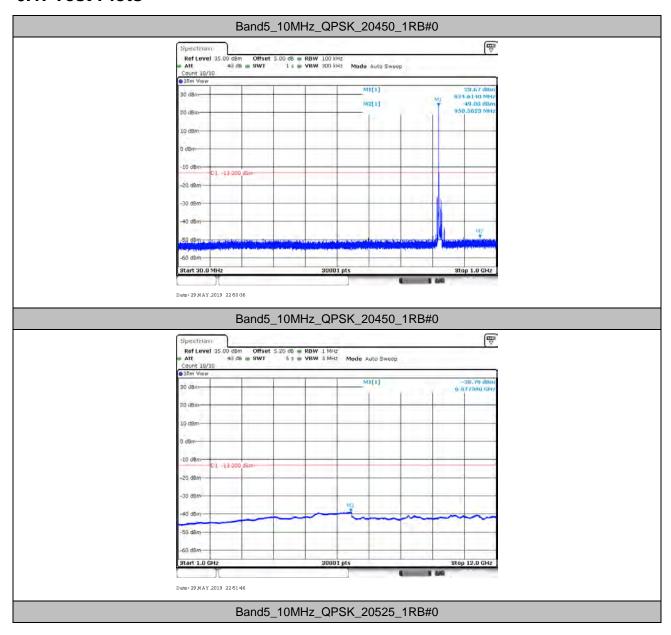
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

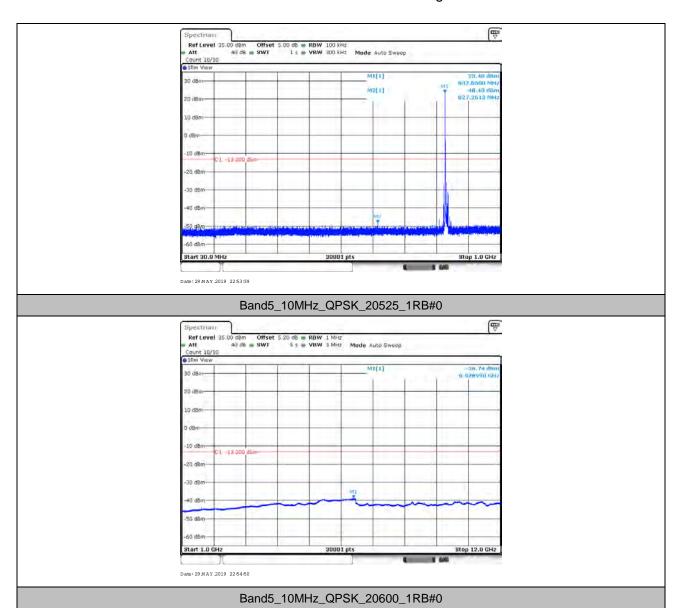
6.1. Test Plots





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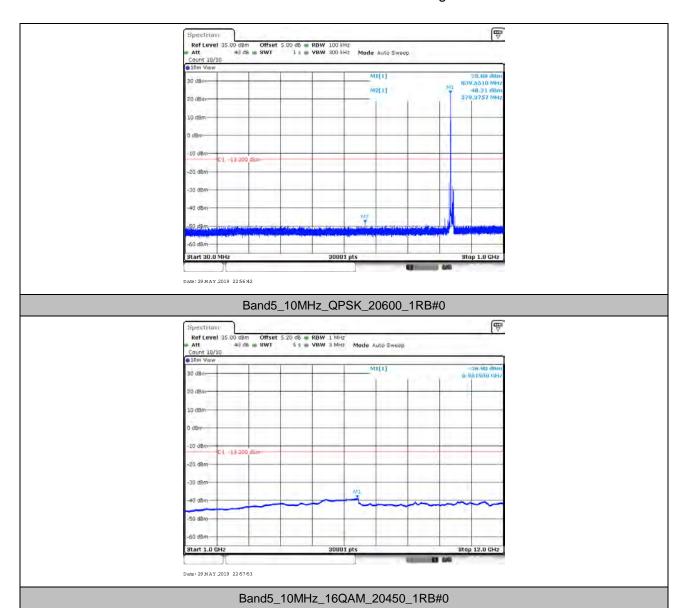
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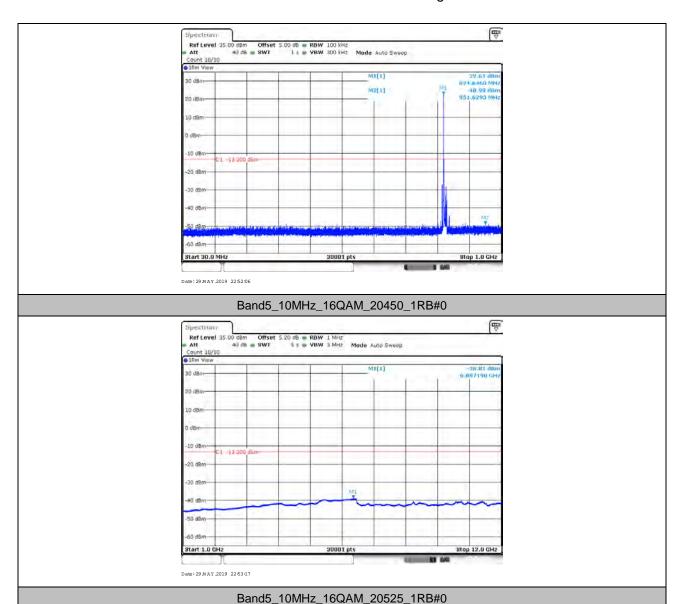
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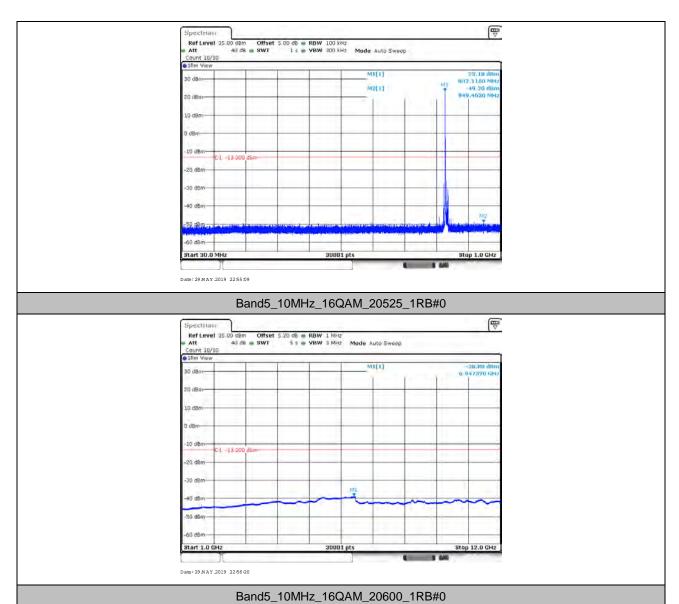
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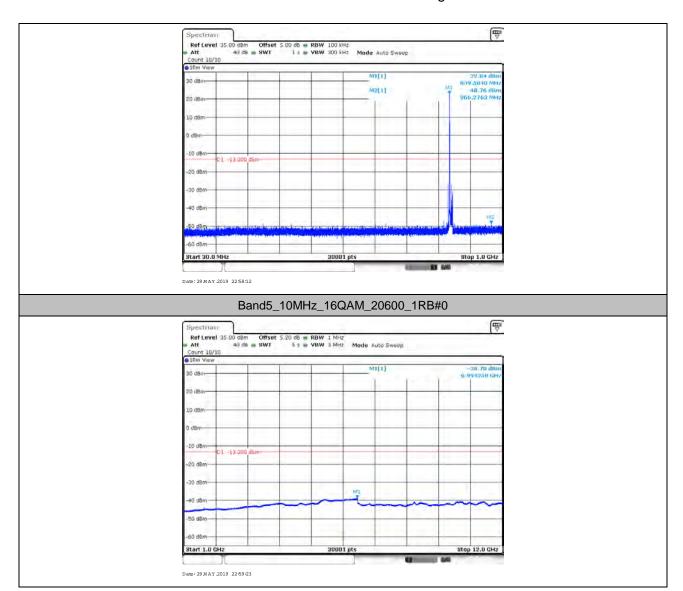






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7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE Band 5

7.1.1.Test Mode =LTE/TM1 10MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
63.973333	-80.71	-13.00	67.71	Vertical
124.966667	-84.80	-13.00	71.80	Vertical
613.258333	-76.96	-13.00	63.96	Vertical
1649.000000	-57.10	-13.00	44.10	Vertical
4164.637500	-66.24	-13.00	53.24	Vertical
7866.712500	-62.13	-13.00	49.13	Vertical
62.573333	-76.38	-13.00	63.38	Horizontal
624.029167	-75.73	-13.00	62.73	Horizontal
1649.000000	-64.07	-13.00	51.07	Horizontal
2473.500000	-58.74	-13.00	45.74	Horizontal
4269.450000	-65.89	-13.00	52.89	Horizontal
6061.500000	-63.57	-13.00	50.57	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.486667	-80.36	-13.00	67.36	Vertical
124.966667	-85.56	-13.00	72.56	Vertical
616.695833	-77.37	-13.00	64.37	Vertical
1664.000000	-61.91	-13.00	48.91	Vertical
3328.087500	-66.20	-13.00	53.20	Vertical
6501.712500	-63.46	-13.00	50.46	Vertical
61.873333	-77.10	-13.00	64.10	Horizontal
616.375000	-76.38	-13.00	63.38	Horizontal
1664.000000	-61.49	-13.00	48.49	Horizontal
2496.500000	-58.23	-13.00	45.23	Horizontal
4422.037500	-65.86	-13.00	52.86	Horizontal
7996.387500	-62.79	-13.00	49.79	Horizontal



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7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.440000	-79.70	-13.00	66.70	Vertical
104.246667	-77.80	-13.00	64.80	Vertical
1679.000000	-58.45	-13.00	45.45	Vertical
2519.000000	-57.99	-13.00	44.99	Vertical
3357.825000	-65.59	-13.00	52.59	Vertical
6021.525000	-64.24	-13.00	51.24	Vertical
62.480000	-75.68	-13.00	62.68	Horizontal
104.293333	-81.61	-13.00	68.61	Horizontal
622.287500	-76.77	-13.00	63.77	Horizontal
1679.000000	-62.63	-13.00	49.63	Horizontal
2518.500000	-54.30	-13.00	41.30	Horizontal
4197.787500	-65.54	-13.00	52.54	Horizontal

Remark:

The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.

We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



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8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage											
BAND	Bandwidth	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict		
BAND	Danuwiuin	Modulation	Charmer	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	verdict		
Band5	10MHz	QPSK	20450	50RB#0	VL	NT	0.60	0.000724	±2.5	PASS		
Band5	10MHz	QPSK	20450	50RB#0	VN	NT	0.40	0.000483	±2.5	PASS		
Band5	10MHz	QPSK	20450	50RB#0	VH	NT	-0.50	-0.000603	±2.5	PASS		
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-1.30	-0.001554	±2.5	PASS		
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.20	0.000239	±2.5	PASS		
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.40	-0.000478	±2.5	PASS		
Band5	10MHz	QPSK	20600	50RB#0	VL	NT	-0.60	-0.000711	±2.5	PASS		
Band5	10MHz	QPSK	20600	50RB#0	VN	NT	-1.00	-0.001185	±2.5	PASS		
Band5	10MHz	QPSK	20600	50RB#0	VH	NT	-2.00	-0.002370	±2.5	PASS		
Band5	10MHz	16QAM	20450	50RB#0	VL	NT	0.20	0.000241	±2.5	PASS		
Band5	10MHz	16QAM	20450	50RB#0	VN	NT	0.30	0.000362	±2.5	PASS		
Band5	10MHz	16QAM	20450	50RB#0	VH	NT	-0.90	-0.001086	±2.5	PASS		
Band5	10MHz	16QAM	20525	50RB#0	VL	NT	-1.40	-0.001674	±2.5	PASS		
Band5	10MHz	16QAM	20525	50RB#0	VN	NT	-1.60	-0.001913	±2.5	PASS		
Band5	10MHz	16QAM	20525	50RB#0	VH	NT	0.50	0.000598	±2.5	PASS		
Band5	10MHz	16QAM	20600	50RB#0	VL	NT	-0.90	-0.001066	±2.5	PASS		
Band5	10MHz	16QAM	20600	50RB#0	VN	NT	-1.10	-0.001303	±2.5	PASS		
Band5	10MHz	16QAM	20600	50RB#0	VH	NT	0.50	0.000592	±2.5	PASS		

8.2. Frequency Vs Temperature

Temperatui	е									
BAND	DAND D LIN	Modulation	Channel	RB	Voltage	Temperature	Deviation	Deviation	Limit	Verdict
DAND	Bandwidth	iviodulation	Charmer	Configure	[Vdc]	(°C)	(Hz)	(ppm)	(ppm)	verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	0.20	0.000241	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	0.90	0.001086	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	-1.00	-0.001206	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-1.90	-0.002292	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.70	-0.002051	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	-1.50	-0.001809	±2.5	PASS





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Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-2.30	-0.002750	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	0.90	0.002730	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.70	-0.002032	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-1.90	-0.002271	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-2.60	-0.003081	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.10	-0.001303	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	0.30	0.000355	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-1.20	-0.001422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-0.50	-0.000592	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	0.10	0.000118	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-1.70	-0.002014	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-0.10	-0.000118	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	1.00	0.001206	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	0.10	0.000121	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	-0.70	-0.000844	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	-1.50	-0.001809	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	-1.30	-0.001568	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	-0.90	-0.001086	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.40	0.000483	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	0.20	0.000239	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	0.50	0.000598	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	0.10	0.000120	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	-2.20	-0.002630	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	0.40	0.000478	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-0.50	-0.000598	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-0.10	-0.000118	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-0.40	-0.000474	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-0.20	-0.000237	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-0.70	-0.000829	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	1.00	0.001185	±2.5	PASS



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Band5	10MHz	16QAM	20600	50RB#0	NV	40	-1.00	-0.001185	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	-1.70	-0.002014	±2.5	PASS

The End

