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# Appendix B

### E-UTRA BAND 7



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### 1. Effective (Isotropic) Radiated Power

### 1.1.Test Result

BAND	Bandwidth	Modulation	Channel	RB	Result	EIRP	Limit	Verdic
		ODCK	00775	Configuration	(dBm)	(dBm)	(dBm)	t
BAND7	5MHz	QPSK	20775	1RB#0	23.88	27.88	33.00	PASS
BAND7	5MHz	QPSK	20775	1RB#12	23.79	27.79	33.00	PASS
BAND7	5MHz	QPSK	20775	1RB#24	23.86	27.86	33.00	PASS
BAND7	5MHz	QPSK	20775	12RB#0	22.91	26.91	33.00	PASS
BAND7	5MHz	QPSK	20775	12RB#13	22.97	26.97	33.00	PASS
BAND7	5MHz	QPSK	20775	12RB#6	22.95	26.95	33.00	PASS
BAND7	5MHz	QPSK	20775	25RB#0	22.99	26.99	33.00	PASS
BAND7	5MHz	QPSK	21100	1RB#0	23.61	27.61	33.00	PASS
BAND7	5MHz	QPSK	21100	1RB#12	23.54	27.54	33.00	PASS
BAND7	5MHz	QPSK	21100	1RB#24	23.50	27.50	33.00	PASS
BAND7	5MHz	QPSK	21100	12RB#0	22.50	26.50	33.00	PASS
BAND7	5MHz	QPSK	21100	12RB#13	22.36	26.36	33.00	PASS
BAND7	5MHz	QPSK	21100	12RB#6	22.43	26.43	33.00	PASS
BAND7	5MHz	QPSK	21100	25RB#0	22.44	26.44	33.00	PASS
BAND7	5MHz	QPSK	21425	1RB#0	23.28	27.28	33.00	PASS
BAND7	5MHz	QPSK	21425	1RB#12	23.22	27.22	33.00	PASS
BAND7	5MHz	QPSK	21425	1RB#24	23.18	27.18	33.00	PASS
BAND7	5MHz	QPSK	21425	12RB#0	22.18	26.18	33.00	PASS
BAND7	5MHz	QPSK	21425	12RB#13	22.09	26.09	33.00	PASS
BAND7	5MHz	QPSK	21425	12RB#6	22.15	26.15	33.00	PASS
BAND7	5MHz	QPSK	21425	25RB#0	22.18	26.18	33.00	PASS
BAND7	5MHz	16QAM	20775	1RB#0	22.97	26.97	33.00	PASS
BAND7	5MHz	16QAM	20775	1RB#12	22.98	26.98	33.00	PASS
BAND7	5MHz	16QAM	20775	1RB#24	22.89	26.89	33.00	PASS
BAND7	5MHz	16QAM	20775	12RB#0	21.91	25.91	33.00	PASS
BAND7	5MHz	16QAM	20775	12RB#13	21.88	25.88	33.00	PASS
BAND7	5MHz	16QAM	20775	12RB#6	21.88	25.88	33.00	PASS
BAND7	5MHz	16QAM	20775	25RB#0	21.90	25.90	33.00	PASS
BAND7	5MHz	16QAM	21100	1RB#0	22.95	26.95	33.00	PASS
BAND7	5MHz	16QAM	21100	1RB#12	22.81	26.81	33.00	PASS
BAND7	5MHz	16QAM	21100	1RB#24	22.91	26.91	33.00	PASS
BAND7	5MHz	16QAM	21100	12RB#0	21.84	25.84	33.00	PASS
BAND7	5MHz	16QAM	21100	12RB#13	21.91	25.91	33.00	PASS
BAND7	5MHz	16QAM	21100	12RB#6	21.94	25.94	33.00	PASS



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		1	1	1			1	1
BAND7	5MHz	16QAM	21100	25RB#0	21.82	25.82	33.00	PASS
BAND7	5MHz	16QAM	21425	1RB#0	22.87	26.87	33.00	PASS
BAND7	5MHz	16QAM	21425	1RB#12	22.94	26.94	33.00	PASS
BAND7	5MHz	16QAM	21425	1RB#24	22.82	26.82	33.00	PASS
BAND7	5MHz	16QAM	21425	12RB#0	21.92	25.92	33.00	PASS
BAND7	5MHz	16QAM	21425	12RB#13	21.92	25.92	33.00	PASS
BAND7	5MHz	16QAM	21425	12RB#6	21.91	25.91	33.00	PASS
BAND7	5MHz	16QAM	21425	25RB#0	21.91	25.91	33.00	PASS
BAND7	5MHz	64QAM	20775	1RB#0	21.83	25.83	33.00	PASS
BAND7	5MHz	64QAM	20775	1RB#12	21.96	25.96	33.00	PASS
BAND7	5MHz	64QAM	20775	1RB#24	21.95	25.95	33.00	PASS
BAND7	5MHz	64QAM	20775	12RB#0	20.92	24.92	33.00	PASS
BAND7	5MHz	64QAM	20775	12RB#13	20.91	24.91	33.00	PASS
BAND7	5MHz	64QAM	20775	12RB#6	20.99	24.99	33.00	PASS
BAND7	5MHz	64QAM	20775	25RB#0	20.85	24.85	33.00	PASS
BAND7	5MHz	64QAM	21100	1RB#0	21.85	25.85	33.00	PASS
BAND7	5MHz	64QAM	21100	1RB#12	21.94	25.94	33.00	PASS
BAND7	5MHz	64QAM	21100	1RB#24	21.81	25.81	33.00	PASS
BAND7	5MHz	64QAM	21100	12RB#0	20.96	24.96	33.00	PASS
BAND7	5MHz	64QAM	21100	12RB#13	20.83	24.83	33.00	PASS
BAND7	5MHz	64QAM	21100	12RB#6	20.93	24.93	33.00	PASS
BAND7	5MHz	64QAM	21100	25RB#0	20.89	24.89	33.00	PASS
BAND7	5MHz	64QAM	21425	1RB#0	21.91	25.91	33.00	PASS
BAND7	5MHz	64QAM	21425	1RB#12	21.94	25.94	33.00	PASS
BAND7	5MHz	64QAM	21425	1RB#24	21.97	25.97	33.00	PASS
BAND7	5MHz	64QAM	21425	12RB#0	20.91	24.91	33.00	PASS
BAND7	5MHz	64QAM	21425	12RB#13	20.96	24.96	33.00	PASS
BAND7	5MHz	64QAM	21425	12RB#6	20.90	24.90	33.00	PASS
BAND7	5MHz	64QAM	21425	25RB#0	20.95	24.95	33.00	PASS
BAND7	10MHz	QPSK	20800	1RB#0	23.87	27.87	33.00	PASS
BAND7	10MHz	QPSK	20800	1RB#24	23.56	27.56	33.00	PASS
BAND7	10MHz	QPSK	20800	1RB#49	23.84	27.84	33.00	PASS
BAND7	10MHz	QPSK	20800	25RB#0	22.88	26.88	33.00	PASS
BAND7	10MHz	QPSK	20800	25RB#12	22.85	26.85	33.00	PASS
BAND7	10MHz	QPSK	20800	25RB#25	22.79	26.79	33.00	PASS
BAND7	10MHz	QPSK	20800	50RB#0	22.56	26.56	33.00	PASS
BAND7	10MHz	QPSK	21100	1RB#0	23.65	27.65	33.00	PASS
BAND7	10MHz	QPSK	21100	1RB#24	23.57	27.57	33.00	PASS
BAND7	10MHz	QPSK	21100	1RB#49	23.43	27.43	33.00	PASS
BAND7	10MHz	QPSK	21100	25RB#0	22.64	26.64	33.00	PASS
BAND7	10MHz	QPSK	21100	25RB#12	22.57	26.57	33.00	PASS
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BAND7	10MHz	QPSK	21100	25RB#25	22.50	26.50	33.00	PASS
BAND7	10MHz	QPSK	21100	50RB#0	22.57	26.57	33.00	PASS
BAND7	10MHz	QPSK	21400	1RB#0	23.38	27.38	33.00	PASS
BAND7	10MHz	QPSK	21400	1RB#24	23.27	27.27	33.00	PASS
BAND7	10MHz	QPSK	21400	1RB#49	23.21	27.21	33.00	PASS
BAND7	10MHz	QPSK	21400	25RB#0	22.37	26.37	33.00	PASS
BAND7	10MHz	QPSK	21400	25RB#12	22.33	26.33	33.00	PASS
BAND7	10MHz	QPSK	21400	25RB#25	22.30	26.30	33.00	PASS
BAND7	10MHz	QPSK	21400	50RB#0	22.34	26.34	33.00	PASS
BAND7	10MHz	16QAM	20800	1RB#0	22.86	26.86	33.00	PASS
BAND7	10MHz	16QAM	20800	1RB#24	22.86	26.86	33.00	PASS
BAND7	10MHz	16QAM	20800	1RB#49	22.97	26.97	33.00	PASS
BAND7	10MHz	16QAM	20800	25RB#0	21.82	25.82	33.00	PASS
BAND7	10MHz	16QAM	20800	25RB#12	21.93	25.93	33.00	PASS
BAND7	10MHz	16QAM	20800	25RB#25	21.86	25.86	33.00	PASS
BAND7	10MHz	16QAM	20800	50RB#0	21.88	25.88	33.00	PASS
BAND7	10MHz	16QAM	21100	1RB#0	22.81	26.81	33.00	PASS
BAND7	10MHz	16QAM	21100	1RB#24	22.83	26.83	33.00	PASS
BAND7	10MHz	16QAM	21100	1RB#49	22.96	26.96	33.00	PASS
BAND7	10MHz	16QAM	21100	25RB#0	21.87	25.87	33.00	PASS
BAND7	10MHz	16QAM	21100	25RB#12	21.81	25.81	33.00	PASS
BAND7	10MHz	16QAM	21100	25RB#25	21.88	25.88	33.00	PASS
BAND7	10MHz	16QAM	21100	50RB#0	21.84	25.84	33.00	PASS
BAND7	10MHz	16QAM	21400	1RB#0	22.84	26.84	33.00	PASS
BAND7	10MHz	16QAM	21400	1RB#24	22.87	26.87	33.00	PASS
BAND7	10MHz	16QAM	21400	1RB#49	22.89	26.89	33.00	PASS
BAND7	10MHz	16QAM	21400	25RB#0	21.99	25.99	33.00	PASS
BAND7	10MHz	16QAM	21400	25RB#12	21.89	25.89	33.00	PASS
BAND7	10MHz	16QAM	21400	25RB#25	21.92	25.92	33.00	PASS
BAND7	10MHz	16QAM	21400	50RB#0	21.92	25.92	33.00	PASS
BAND7	10MHz	64QAM	20800	1RB#0	21.97	25.97	33.00	PASS
BAND7	10MHz	64QAM	20800	1RB#24	21.87	25.87	33.00	PASS
BAND7	10MHz	64QAM	20800	1RB#49	21.88	25.88	33.00	PASS
BAND7	10MHz	64QAM	20800	25RB#0	20.97	24.97	33.00	PASS
BAND7	10MHz	64QAM	20800	25RB#12	20.81	24.81	33.00	PASS
BAND7	10MHz	64QAM	20800	25RB#25	20.96	24.96	33.00	PASS
BAND7	10MHz	64QAM	20800	50RB#0	20.80	24.80	33.00	PASS
BAND7	10MHz	64QAM	21100	1RB#0	21.97	25.97	33.00	PASS
BAND7	10MHz	64QAM	21100	1RB#24	21.98	25.98	33.00	PASS
BAND7	10MHz	64QAM	21100	1RB#49	21.90	25.90	33.00	PASS
BAND7	10MHz	64QAM	21100	25RB#0	20.98	24.98	33.00	PASS
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BAND7	10MHz	64QAM	21100	25RB#12	20.94	24.94	33.00	PASS
BAND7	10MHz	64QAM	21100	25RB#25	20.90	24.90	33.00	PASS
BAND7	10MHz	64QAM	21100	50RB#0	20.95	24.95	33.00	PASS
BAND7	10MHz	64QAM	21400	1RB#0	21.84	25.84	33.00	PASS
BAND7	10MHz	64QAM	21400	1RB#24	21.97	25.97	33.00	PASS
BAND7	10MHz	64QAM	21400	1RB#49	21.84	25.84	33.00	PASS
BAND7	10MHz	64QAM	21400	25RB#0	20.89	24.89	33.00	PASS
BAND7	10MHz	64QAM	21400	25RB#12	20.86	24.86	33.00	PASS
BAND7	10MHz	64QAM	21400	25RB#25	20.99	24.99	33.00	PASS
BAND7	10MHz	64QAM	21400	50RB#0	20.80	24.80	33.00	PASS
BAND7	15MHz	QPSK	20825	1RB#0	23.86	27.86	33.00	PASS
BAND7	15MHz	QPSK	20825	1RB#38	23.90	27.90	33.00	PASS
BAND7	15MHz	QPSK	20825	1RB#74	23.75	27.75	33.00	PASS
BAND7	15MHz	QPSK	20825	36RB#0	22.89	26.89	33.00	PASS
BAND7	15MHz	QPSK	20825	36RB#18	22.85	26.85	33.00	PASS
BAND7	15MHz	QPSK	20825	36RB#39	22.93	26.93	33.00	PASS
BAND7	15MHz	QPSK	20825	75RB#0	22.91	26.91	33.00	PASS
BAND7	15MHz	QPSK	21100	1RB#0	23.61	27.61	33.00	PASS
BAND7	15MHz	QPSK	21100	1RB#38	23.53	27.53	33.00	PASS
BAND7	15MHz	QPSK	21100	1RB#74	23.40	27.40	33.00	PASS
BAND7	15MHz	QPSK	21100	36RB#0	22.65	26.65	33.00	PASS
BAND7	15MHz	QPSK	21100	36RB#18	22.58	26.58	33.00	PASS
BAND7	15MHz	QPSK	21100	36RB#39	22.39	26.39	33.00	PASS
BAND7	15MHz	QPSK	21100	75RB#0	22.57	26.57	33.00	PASS
BAND7	15MHz	QPSK	21375	1RB#0	23.47	27.47	33.00	PASS
BAND7	15MHz	QPSK	21375	1RB#38	23.28	27.28	33.00	PASS
BAND7	15MHz	QPSK	21375	1RB#74	23.15	27.15	33.00	PASS
BAND7	15MHz	QPSK	21375	36RB#0	22.40	26.40	33.00	PASS
BAND7	15MHz	QPSK	21375	36RB#18	22.36	26.36	33.00	PASS
BAND7	15MHz	QPSK	21375	36RB#39	22.30	26.30	33.00	PASS
BAND7	15MHz	QPSK	21375	75RB#0	22.36	26.36	33.00	PASS
BAND7	15MHz	16QAM	20825	1RB#0	22.99	26.99	33.00	PASS
BAND7	15MHz	16QAM	20825	1RB#38	22.91	26.91	33.00	PASS
BAND7	15MHz	16QAM	20825	1RB#74	22.88	26.88	33.00	PASS
BAND7	15MHz	16QAM	20825	36RB#0	21.96	25.96	33.00	PASS
BAND7	15MHz	16QAM	20825	36RB#18	21.85	25.85	33.00	PASS
BAND7	15MHz	16QAM	20825	36RB#39	21.83	25.83	33.00	PASS
BAND7	15MHz	16QAM	20825	75RB#0	21.93	25.93	33.00	PASS
BAND7	15MHz	16QAM	21100	1RB#0	22.80	26.80	33.00	PASS
BAND7	15MHz	16QAM	21100	1RB#38	22.93	26.93	33.00	PASS
BAND7	15MHz	16QAM	21100	1RB#74	22.99	26.99	33.00	PASS
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BAND7	15MHz	16QAM	21100	36RB#0	21.99	25.99	33.00	PASS
BAND7	15MHz	16QAM	21100	36RB#18	21.83	25.83	33.00	PASS
BAND7	15MHz	16QAM	21100	36RB#39	21.89	25.89	33.00	PASS
BAND7	15MHz	16QAM	21100	75RB#0	21.88	25.88	33.00	PASS
BAND7	15MHz	16QAM	21375	1RB#0	22.98	26.98	33.00	PASS
BAND7	15MHz	16QAM	21375	1RB#38	22.96	26.96	33.00	PASS
BAND7	15MHz	16QAM	21375	1RB#74	22.84	26.84	33.00	PASS
BAND7	15MHz	16QAM	21375	36RB#0	21.91	25.91	33.00	PASS
BAND7	15MHz	16QAM	21375	36RB#18	21.96	25.96	33.00	PASS
BAND7	15MHz	16QAM	21375	36RB#39	21.92	25.92	33.00	PASS
BAND7	15MHz	16QAM	21375	75RB#0	21.94	25.94	33.00	PASS
BAND7	15MHz	64QAM	20825	1RB#0	21.88	25.88	33.00	PASS
BAND7	15MHz	64QAM	20825	1RB#38	21.91	25.91	33.00	PASS
BAND7	15MHz	64QAM	20825	1RB#74	21.84	25.84	33.00	PASS
BAND7	15MHz	64QAM	20825	36RB#0	20.96	24.96	33.00	PASS
BAND7	15MHz	64QAM	20825	36RB#18	20.92	24.92	33.00	PASS
BAND7	15MHz	64QAM	20825	36RB#39	20.82	24.82	33.00	PASS
BAND7	15MHz	64QAM	20825	75RB#0	20.95	24.95	33.00	PASS
BAND7	15MHz	64QAM	21100	1RB#0	21.94	25.94	33.00	PASS
BAND7	15MHz	64QAM	21100	1RB#38	21.82	25.82	33.00	PASS
BAND7	15MHz	64QAM	21100	1RB#74	21.92	25.92	33.00	PASS
BAND7	15MHz	64QAM	21100	36RB#0	20.89	24.89	33.00	PASS
BAND7	15MHz	64QAM	21100	36RB#18	20.93	24.93	33.00	PASS
BAND7	15MHz	64QAM	21100	36RB#39	20.87	24.87	33.00	PASS
BAND7	15MHz	64QAM	21100	75RB#0	20.80	24.80	33.00	PASS
BAND7	15MHz	64QAM	21375	1RB#0	21.92	25.92	33.00	PASS
BAND7	15MHz	64QAM	21375	1RB#38	21.95	25.95	33.00	PASS
BAND7	15MHz	64QAM	21375	1RB#74	21.89	25.89	33.00	PASS
BAND7	15MHz	64QAM	21375	36RB#0	20.98	24.98	33.00	PASS
BAND7	15MHz	64QAM	21375	36RB#18	20.84	24.84	33.00	PASS
BAND7	15MHz	64QAM	21375	36RB#39	20.99	24.99	33.00	PASS
BAND7	15MHz	64QAM	21375	75RB#0	20.91	24.91	33.00	PASS
BAND7	20MHz	QPSK	20850	1RB#0	23.79	27.79	33.00	PASS
BAND7	20MHz	QPSK	20850	1RB#49	23.81	27.81	33.00	PASS
BAND7	20MHz	QPSK	20850	1RB#99	23.63	27.63	33.00	PASS
BAND7	20MHz	QPSK	20850	50RB#0	22.89	26.89	33.00	PASS
BAND7	20MHz	QPSK	20850	50RB#25	22.96	26.96	33.00	PASS
BAND7	20MHz	QPSK	20850	50RB#50	22.83	26.83	33.00	PASS
BAND7	20MHz	QPSK	20850	100RB#0	22.78	26.78	33.00	PASS
BAND7	20MHz	QPSK	21100	1RB#0	23.64	27.64	33.00	PASS
BAND7	20MHz	QPSK	21100	1RB#49	23.55	27.55	33.00	PASS
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BAND7	20MHz	QPSK	21100	1RB#99	23.45	27.45	33.00	PASS
BAND7	20MHz	QPSK	21100	50RB#0	22.66	26.66	33.00	PASS
BAND7	20MHz	QPSK	21100	50RB#25	22.56	26.56	33.00	PASS
BAND7	20MHz	QPSK	21100	50RB#50	22.39	26.39	33.00	PASS
BAND7	20MHz	QPSK	21100	100RB#0	22.58	26.58	33.00	PASS
BAND7	20MHz	QPSK	21350	1RB#0	23.51	27.51	33.00	PASS
BAND7	20MHz	QPSK	21350	1RB#49	23.30	27.30	33.00	PASS
BAND7	20MHz	QPSK	21350	1RB#99	23.19	27.19	33.00	PASS
BAND7	20MHz	QPSK	21350	50RB#0	22.47	26.47	33.00	PASS
BAND7	20MHz	QPSK	21350	50RB#25	22.36	26.36	33.00	PASS
BAND7	20MHz	QPSK	21350	50RB#50	22.32	26.32	33.00	PASS
BAND7	20MHz	QPSK	21350	100RB#0	22.40	26.40	33.00	PASS
BAND7	20MHz	16QAM	20850	1RB#0	22.82	26.82	33.00	PASS
BAND7	20MHz	16QAM	20850	1RB#49	22.87	26.87	33.00	PASS
BAND7	20MHz	16QAM	20850	1RB#99	22.89	26.89	33.00	PASS
BAND7	20MHz	16QAM	20850	50RB#0	21.98	25.98	33.00	PASS
BAND7	20MHz	16QAM	20850	50RB#25	21.90	25.90	33.00	PASS
BAND7	20MHz	16QAM	20850	50RB#50	21.94	25.94	33.00	PASS
BAND7	20MHz	16QAM	20850	100RB#0	21.93	25.93	33.00	PASS
BAND7	20MHz	16QAM	21100	1RB#0	22.97	26.97	33.00	PASS
BAND7	20MHz	16QAM	21100	1RB#49	22.93	26.93	33.00	PASS
BAND7	20MHz	16QAM	21100	1RB#99	22.89	26.89	33.00	PASS
BAND7	20MHz	16QAM	21100	50RB#0	21.84	25.84	33.00	PASS
BAND7	20MHz	16QAM	21100	50RB#25	21.84	25.84	33.00	PASS
BAND7	20MHz	16QAM	21100	50RB#50	21.86	25.86	33.00	PASS
BAND7	20MHz	16QAM	21100	100RB#0	21.89	25.89	33.00	PASS
BAND7	20MHz	16QAM	21350	1RB#0	22.99	26.99	33.00	PASS
BAND7	20MHz	16QAM	21350	1RB#49	22.91	26.91	33.00	PASS
BAND7	20MHz	16QAM	21350	1RB#99	22.95	26.95	33.00	PASS
BAND7	20MHz	16QAM	21350	50RB#0	21.93	25.93	33.00	PASS
BAND7	20MHz	16QAM	21350	50RB#25	21.96	25.96	33.00	PASS
BAND7	20MHz	16QAM	21350	50RB#50	21.99	25.99	33.00	PASS
BAND7	20MHz	16QAM	21350	100RB#0	21.87	25.87	33.00	PASS
BAND7	20MHz	64QAM	20850	1RB#0	21.90	25.90	33.00	PASS
BAND7	20MHz	64QAM	20850	1RB#49	21.86	25.86	33.00	PASS
BAND7	20MHz	64QAM	20850	1RB#99	21.81	25.81	33.00	PASS
BAND7	20MHz	64QAM	20850	50RB#0	20.91	24.91	33.00	PASS
BAND7	20MHz	64QAM	20850	50RB#25	20.92	24.92	33.00	PASS
BAND7	20MHz	64QAM	20850	50RB#50	20.88	24.88	33.00	PASS
BAND7	20MHz	64QAM	20850	100RB#0	20.87	24.87	33.00	PASS
BAND7	20MHz	64QAM	21100	1RB#0	21.85	25.85	33.00	PASS
This document is i	sued by the Company	ubject to its General Con	ditions of Service n	rinted overleaf,-available on re	quest or accessible a	t http://www.sas.cor	n/en/Terms-and-	Conditions aspx



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BAND7	20MHz	64QAM	21100	1RB#49	21.84	25.84	33.00	PASS
BAND7	20MHz	64QAM	21100	1RB#99	21.95	25.95	33.00	PASS
BAND7	20MHz	64QAM	21100	50RB#0	20.83	24.83	33.00	PASS
BAND7	20MHz	64QAM	21100	50RB#25	20.97	24.97	33.00	PASS
BAND7	20MHz	64QAM	21100	50RB#50	20.89	24.89	33.00	PASS
BAND7	20MHz	64QAM	21100	100RB#0	20.89	24.89	33.00	PASS
BAND7	20MHz	64QAM	21350	1RB#0	21.83	25.83	33.00	PASS
BAND7	20MHz	64QAM	21350	1RB#49	21.94	25.94	33.00	PASS
BAND7	20MHz	64QAM	21350	1RB#99	21.87	25.87	33.00	PASS
BAND7	20MHz	64QAM	21350	50RB#0	20.91	24.91	33.00	PASS
BAND7	20MHz	64QAM	21350	50RB#25	20.93	24.93	33.00	PASS
BAND7	20MHz	64QAM	21350	50RB#50	20.96	24.96	33.00	PASS
BAND7	20MHz	64QAM	21350	100RB#0	20.83	24.83	33.00	PASS

Note:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi] b: SGP=Signal Generator Level



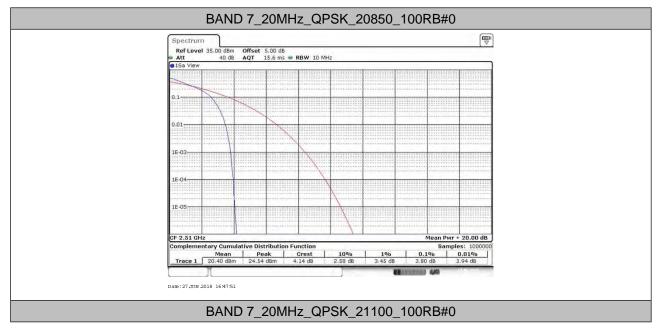
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### 2. Peak-to-Average Ratio(CCDF)

### 2.1.Test Result

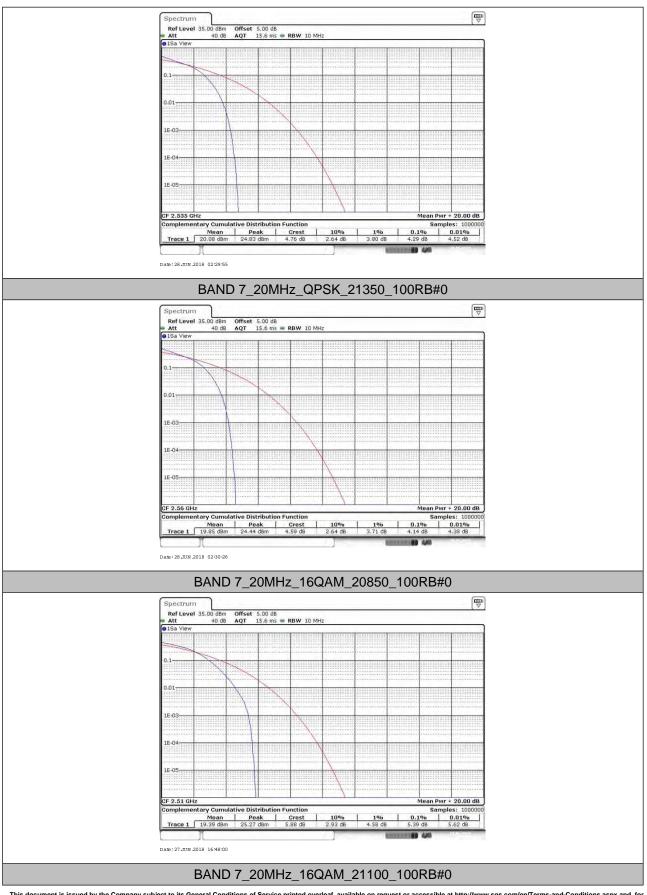
BAND	Bandwidth	Modulation	Channel	<b>RB</b> Configuration	Result(dB)	Limit(dB)	Verdict
		QPSK	20850	100RB#0	3.80	13	PASS
			21100	100RB#0	4.29	13	PASS
			21350	100RB#0	4.14	13	PASS
	20MHz	16QAM	20850	100RB#0	13	PASS	
BAND 7			21100	100RB#0	5.88	13	PASS
			21350	100RB#0	5.77	13	PASS
			20850	100RB#0	5.80	13	PASS
		64QAM	21100	100RB#0	6.23	13	PASS
			21350	100RB#0	6.12	13	PASS

### 2.2. Test Plots



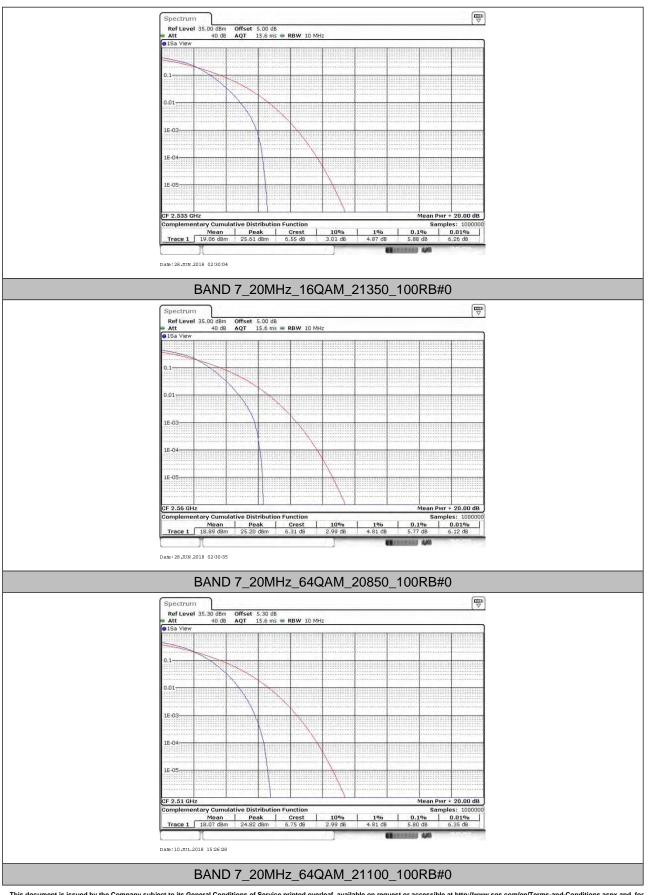


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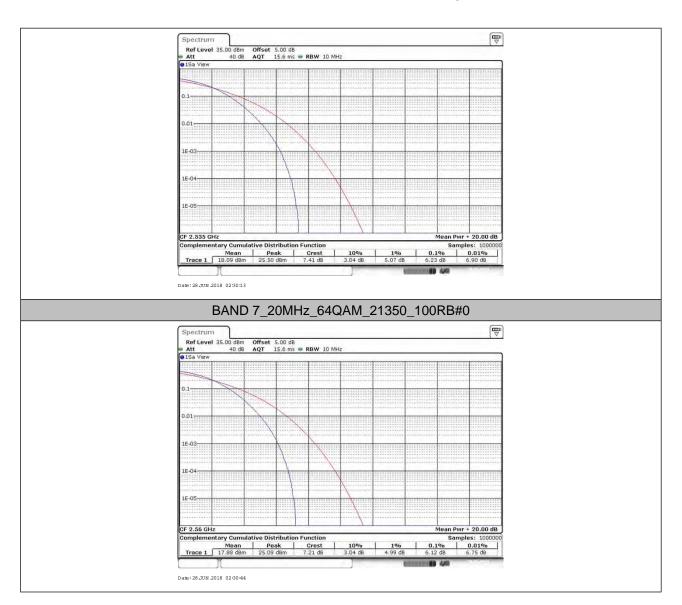


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### 3. Modulation Characteristics

3.1.Test BAND = LTE BAND7

### 3.1.1. Test Mode = LTE /TM1 20MHz

#### 3.1.1.1. Test Channel = MCH

Phone2	Phone1 ETE 30.704538	Operation Band Channel Ban	1 e3d8 Idwidth Output Le	10.0 dBm	andra Sun Galeria Maria	0	MT8821C 2018/07/04 20:19 RF Output : On
PCC SC	.c1 scc2 scc3 >>	Measurement	Signaling		UET	ower: 22.0 dBm	
Common		Fundamental Constellation			×	Main Screen	
Physical Channel	🔇 General	0 Symbol 1-0.7405 Q -0.6	979	Meas. Count	: 19/ 20	Fundamental Sub Screen	
Cull	Frequency					Constellation	Measuring
Processing TX	📎 Level						Tx
Measurement	🔊 Signal					Number of RB	Rx
RX Measurement	UL RMC	Q				Starting RB	Remote
Fundamental Measurement	RB Pos.					Hoperan Grandwig Morre	Go To Local
Test	Number of RB					iven sin	(Connected)
Parameter	Starting RB					1 - 56	
i Star	Max UL Throughput			r			Remote Trace
Band	MCS Index S QESION 1790 E		Avg.:	Max. Min.	Limit	in south	
Definition	64QAM	EVM	333	3.45 3.22.%(rms)			Screen Off
External		Peak Vector Error	18.64	25.27 14.80 %			
Loss	256QAM	Carrier Leakage		-51.77 -60.50 dBc			
	Distikt	1Q imbalance	99.98	100.11 99.84 %(I/Q)			
System Config	DE RMC					4 Views	



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### 3.1.2. Test Mode = LTE /TM2 20MHz

### 3.1.2.1. Test Channel = MCH

Phone2	Phone1 ITE ~ 30.704138		All +888 Sandwidth Output	100 dBm		2 a 11. 14 2 4 19 3	۲	MT8821C 2018/07/04 20:19 RF Output : On
PCC SC	.c1 scc2 scc3 >>	Measurement	Signalin	g		UE	Power: 21.0 dBm	
Common		Fundamental Constellation				-	Main Screen	
Physical Charinel	Seneral	0 Symbol 10.3199 Q -0	9603		Meas. Count :	20/ 20	Fundamental Sub Screen	
Call	> Frequency						Constellation	
Processing	Level						Concession	Measuring
TX Measurement	🔊 Signal		* *		a,		Number of RB	Rx
RX Measurement	S UL'RMC		8 1				Starting RB	Remote
Fundamental Measurement	UL Allocation Mode	Q	× ×				Interprotein Constituted	Go To Local
MEASTLEDILLY	RB Pos.							
Test	Number of RB		N					Connected
Parameter	Starting RB							
	Max UL Throughput 2005 kbps	i						Remote Trace
Band Definition	MCS Index 15 16QAM		Avg.	l Max.	Min.	Limit		Screen Off
	64QAM	EVM Peak Vector Error	3.38 19.57	3.52 25.25	3.28%(rms) 15.05%	(12390/mpt)		
External Loss	256QAM	Carrier Leakage	-5423	+50.58	-61.68 dBc			
System Config	DL RMC	1Q Imbalance	100.00	100,15	99.87 %(/Q)		4 Views	



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### 3.1.1. Test Mode = LTE /TM3 20MHz

### 3.1.1.1. Test Channel = MCH

Phone2	Phone1	÷	21100 ch	Ihannel Ban	- Sala Swidth SMN ac		put L	30.0 e			٥	MT8821C 2018/07/04 20133 RF Output : On
PCC SC	.c1 scc2 scc3	>>	Measureme	nt		Sign	aling			UE	Power: 20.1 d8m	
Common		Q	Fundamental ) Con	stellation							Main Screen	
Physical Channel	🕥 General			mbol 4422 Q 1.09	<i>77</i>				Meas. Count :	: 19/ 20	Fundamental Sub Screen	
Cal	> Frequency										Constellation	
Processing	🔊 Level										constenation	Measuring
TX Measurement	Signal					an an	-				Number of RB	Tx Rx
RX Measurement	S UL RMC					7 e			* *		Starting RB	Remote
Fundamental	UL Allocation Mode	lorenal	Q								Interprises and Controllation	Go To Local
Measurement	RB Pas.	Ainterro				W 34					Norae y	
	Number of R8	100									1	Connected
Test Parameter	Starting RB	18										Contractory
	Max UL Throughput	kbps									1 <sup>11</sup> . nl.a.	Remote Trace
Band	MCS Index 25 64QAM	-#		х <u>.</u> п		Avg:		l Mao	Min.	Limit		
Definition	64QAM	nabled	EVM			3.28		34	339%(rms)			Screen Off
External Loss	256QAM	natived	Peak Vector Error Carrier Leakage			17,52 53,88		19,1	14.81 %			
System Config	🕥 DL RMC		IQ Imbalance			99.96		100.1	99.83 %(I/Q)		4 Views	



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### 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1.Test Result

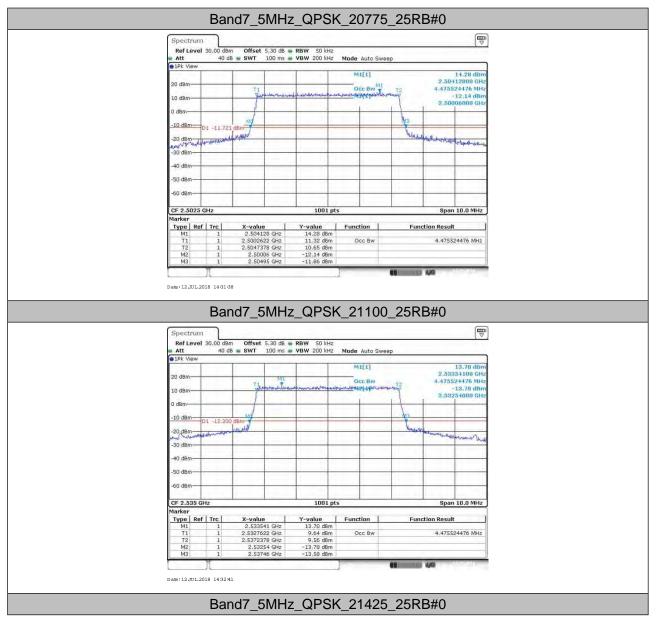
BAND	Pondwidth	Modulation	Channel	RB	Occupied Bandwidth	26dB Bondwidth	Verdict
DAND	Bandwidth	Modulation	Channel	Configuration	(MHz)	Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.476	4.890	PASS
			21100	25RB#0	4.476	4.920	PASS
			21425	25RB#0	4.476	4.900	PASS
		64QAM	20775	25RB#0	4.476	4.900	PASS
			21100	25RB#0	4.486	4.910	PASS
			21425	25RB#0	4.476	4.910	PASS
		16QAM	20775	25RB#0	4.486	4.890	PASS
			21100	25RB#0	4.476	4.900	PASS
			21425	25RB#0	4.486	4.900	PASS
	10MHz	QPSK	20800	50RB#0	8.971	10.380	PASS
			21100	50RB#0	8.971	10.380	PASS
			21400	50RB#0	8.991	10.320	PASS
		64QAM	20800	50RB#0	8.971	10.340	PASS
			21100	50RB#0	8.951	10.400	PASS
			21400	50RB#0	8.971	10.360	PASS
		16QAM	20800	50RB#0	8.971	10.340	PASS
			21100	50RB#0	8.971	10.440	PASS
			21400	50RB#0	8.991	10.400	PASS
	15MHz	QPSK	20825	75RB#0	13.546	16.140	PASS
			21100	75RB#0	13.546	16.380	PASS
			21375	75RB#0	13.546	16.080	PASS
		64QAM	20825	75RB#0	13.546	16.260	PASS
			21100	75RB#0	13.546	15.930	PASS
			21375	75RB#0	13.516	15.600	PASS
		16QAM	20825	75RB#0	13.546	16.260	PASS
			21100	75RB#0	13.546	15.900	PASS
			21375	75RB#0	13.546	15.930	PASS
	20MHz	QPSK	20850	100RB#0	17.942	20.720	PASS
			21100	100RB#0	17.982	20.160	PASS
			21350	100RB#0	17.982	20.400	PASS
		64QAM	20850	100RB#0	17.982	22.160	PASS
			21100	100RB#0	17.982	20.120	PASS
			21350	100RB#0	17.942	19.960	PASS



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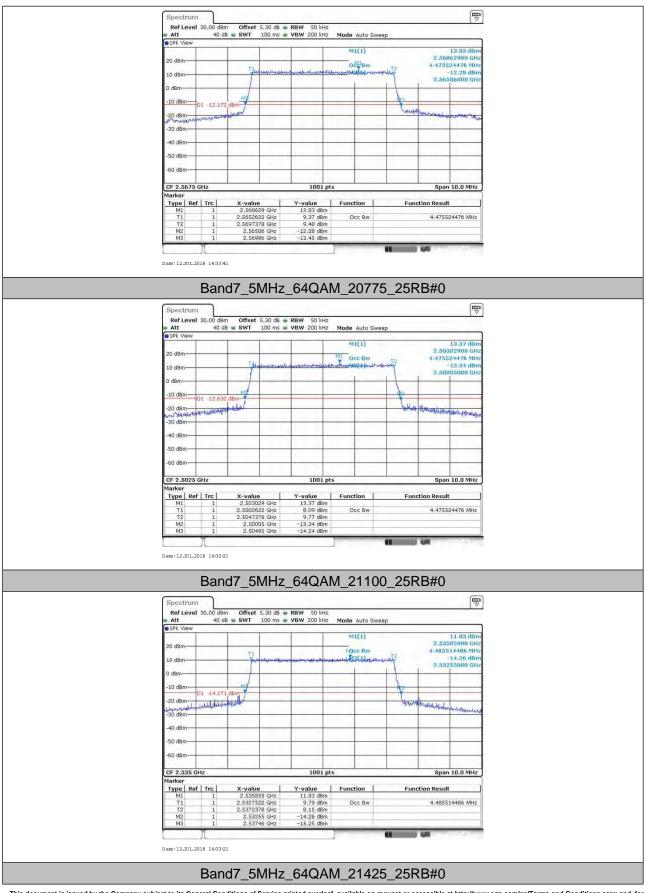
		16QAM	20850	100RB#0	17.982	22.160	PASS
			21100	100RB#0	17.942	20.120	PASS
			21350	100RB#0	17.942	20.280	PASS

#### 4.2. Test Plots



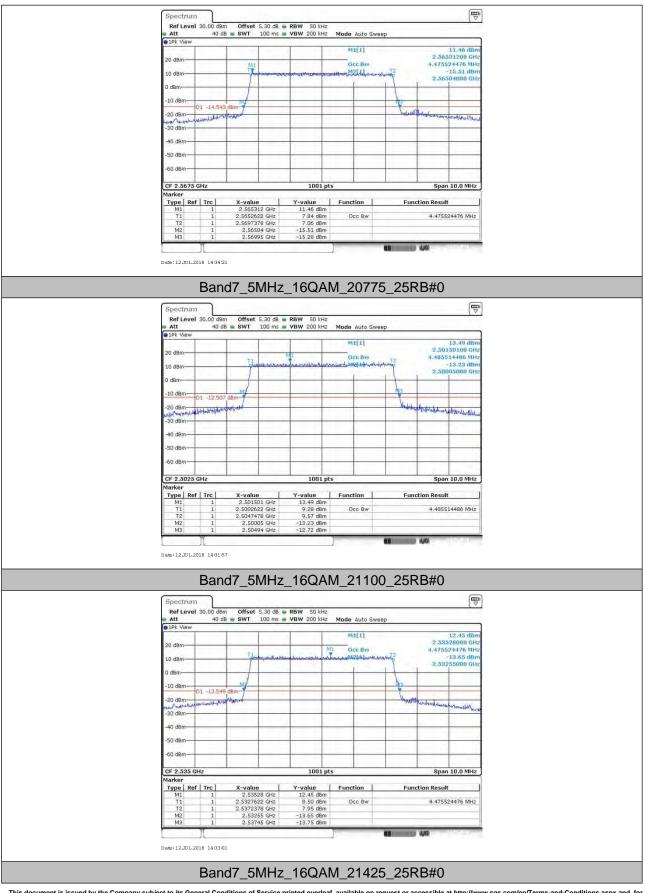


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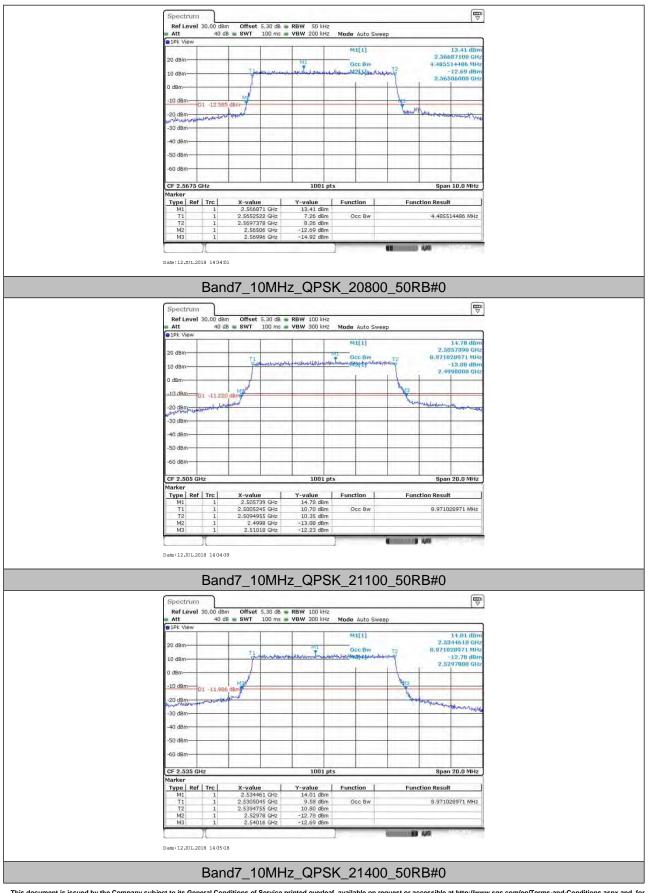


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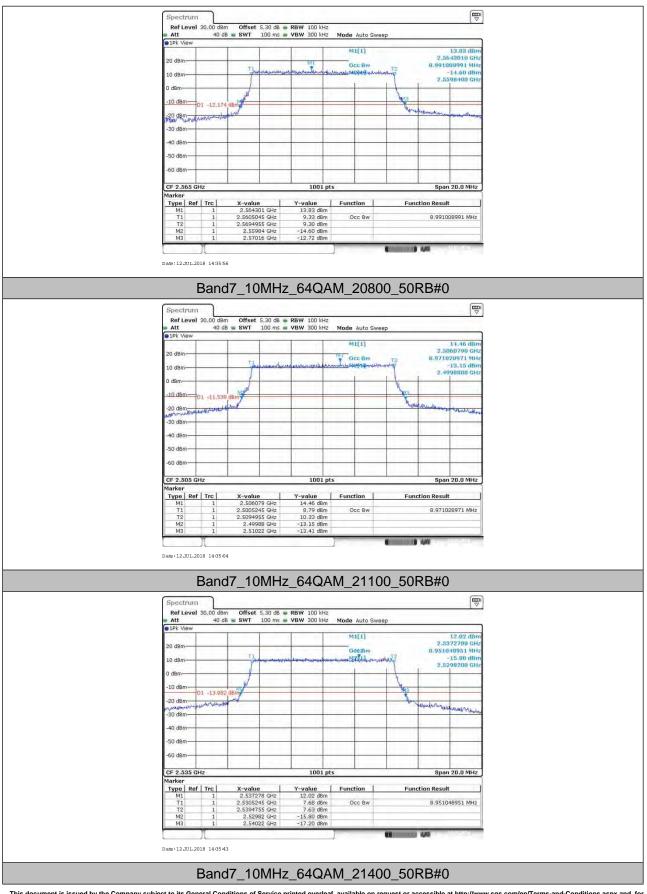


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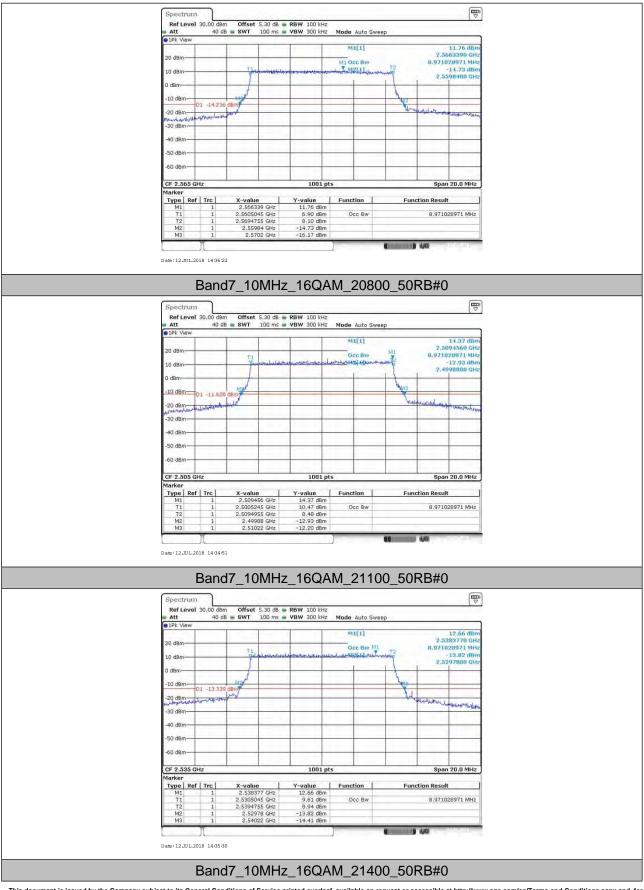


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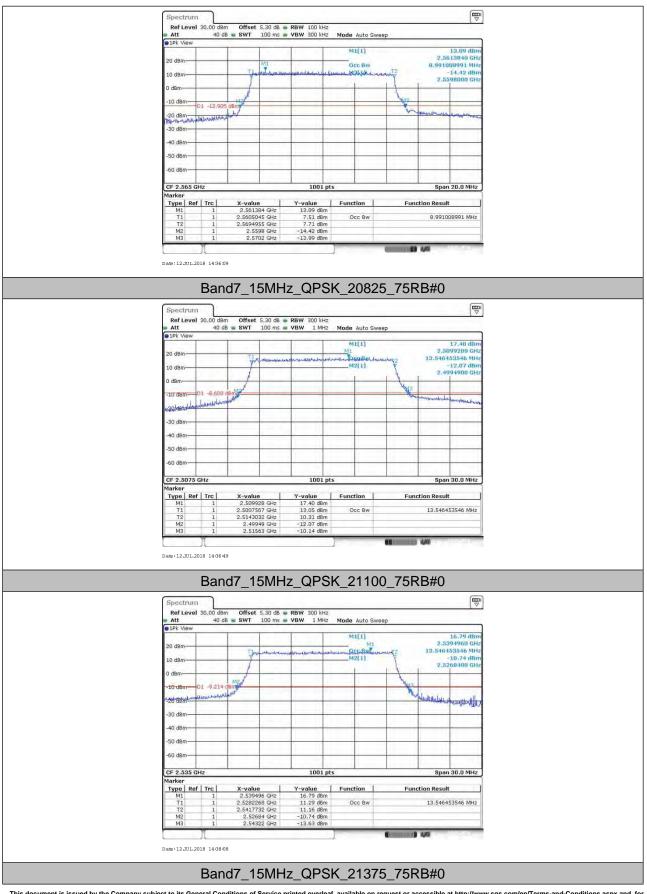


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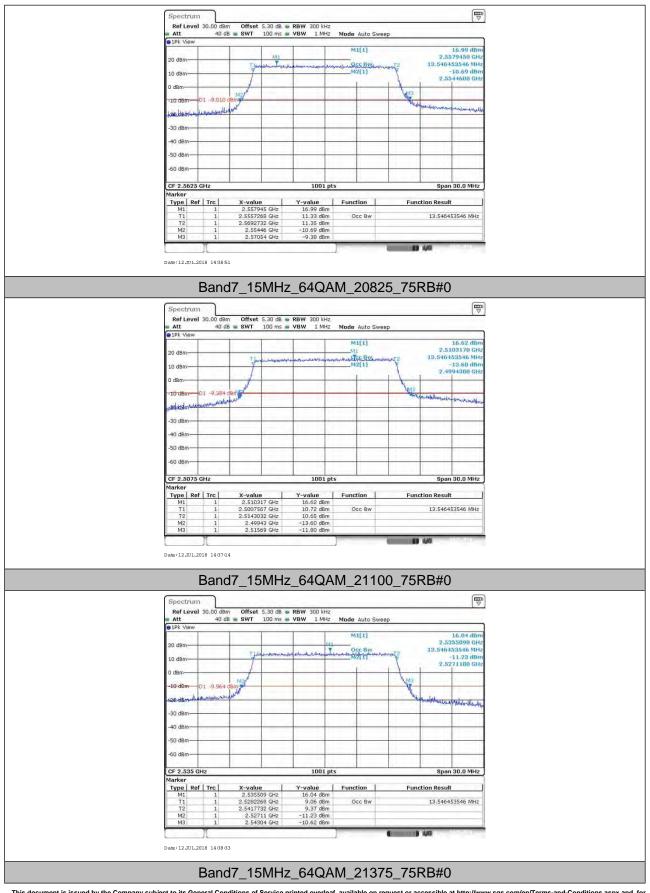


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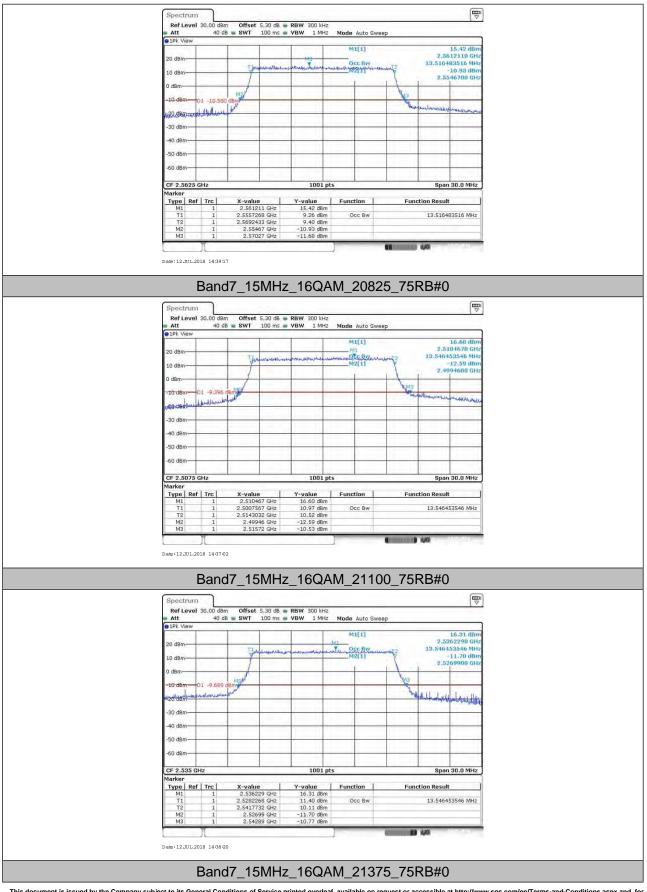


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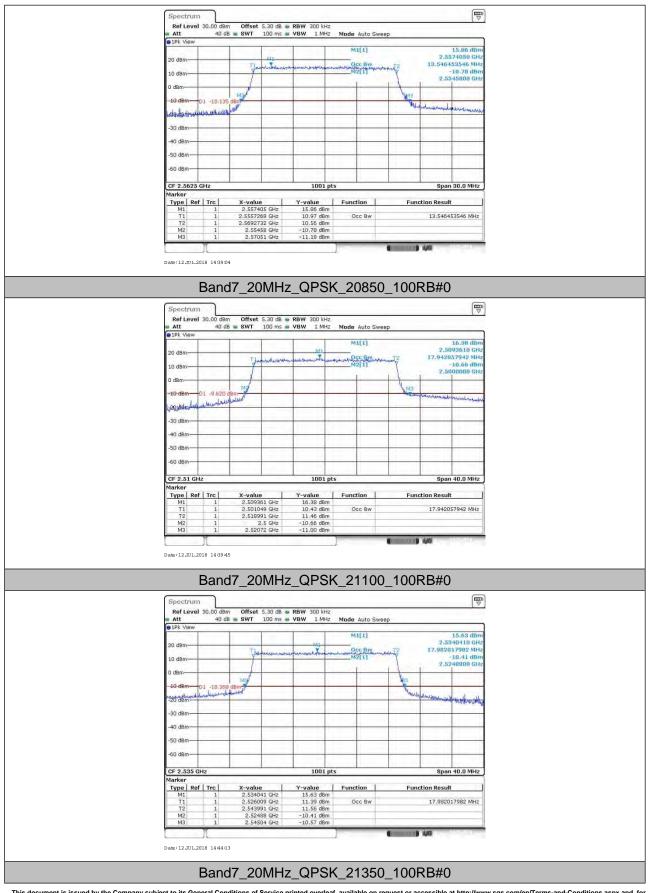


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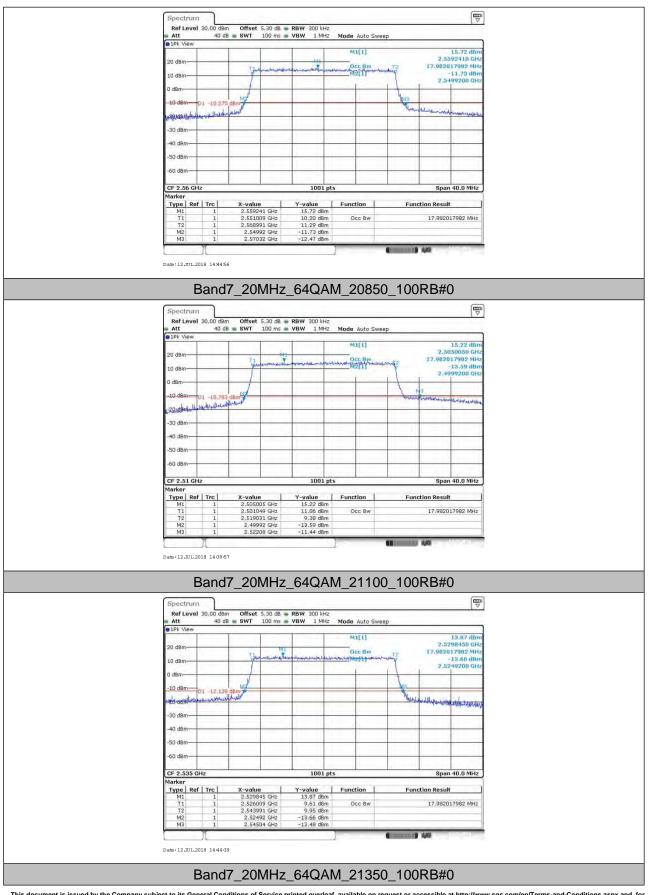


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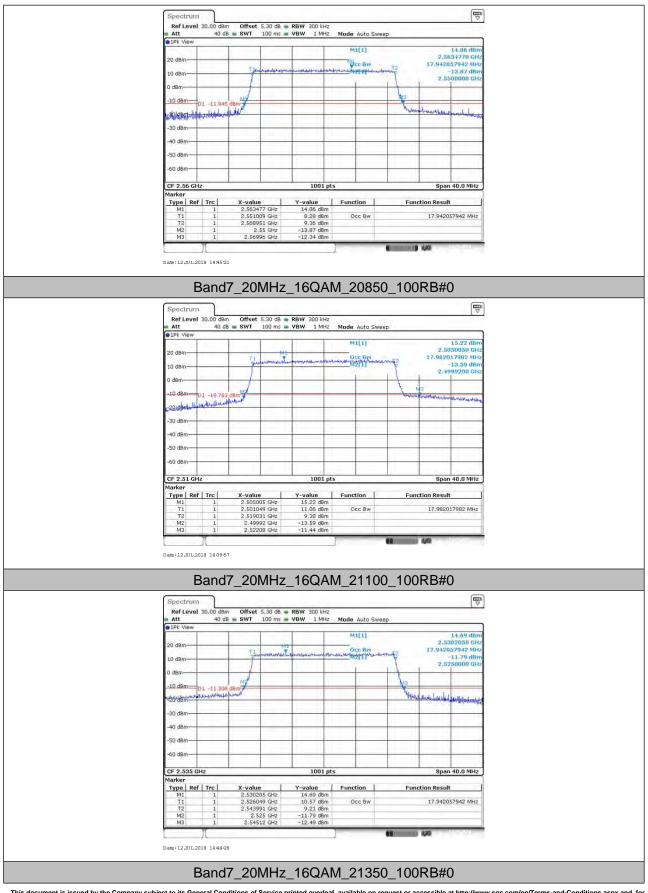


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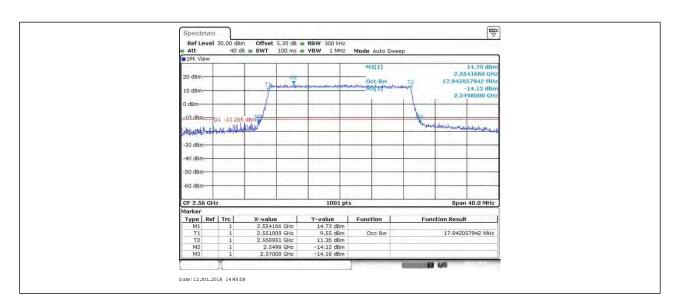


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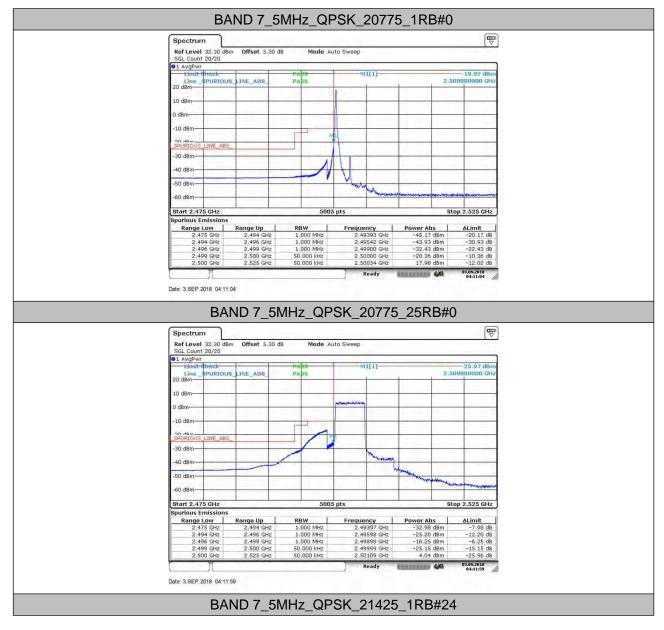




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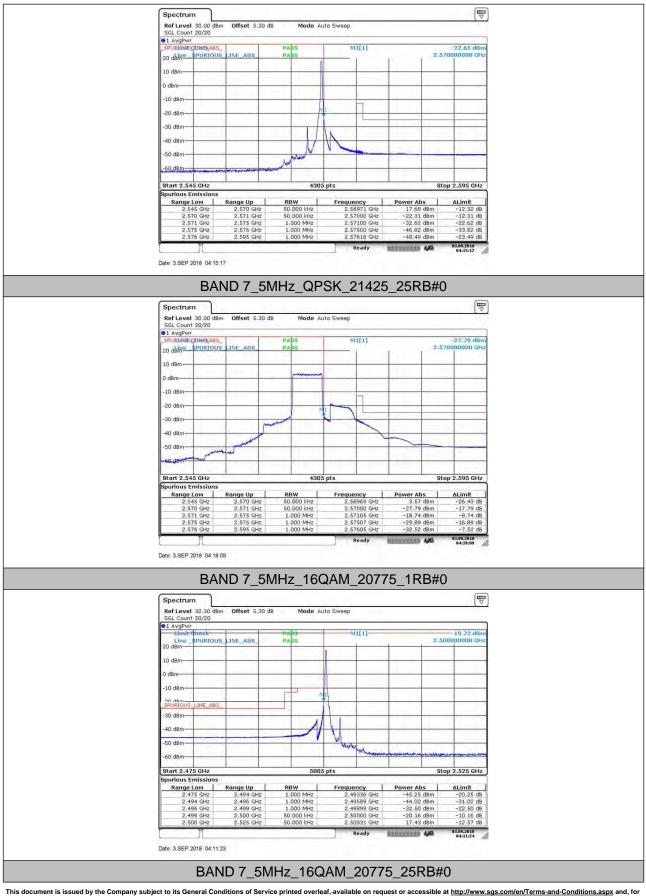
### 5. Band Edge Compliance

#### 5.1.Test Plots



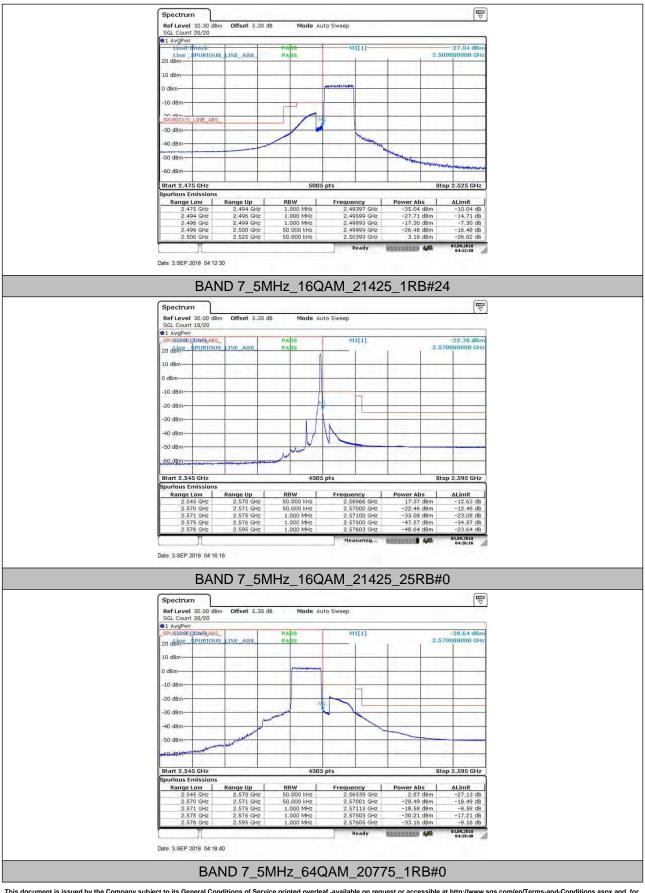


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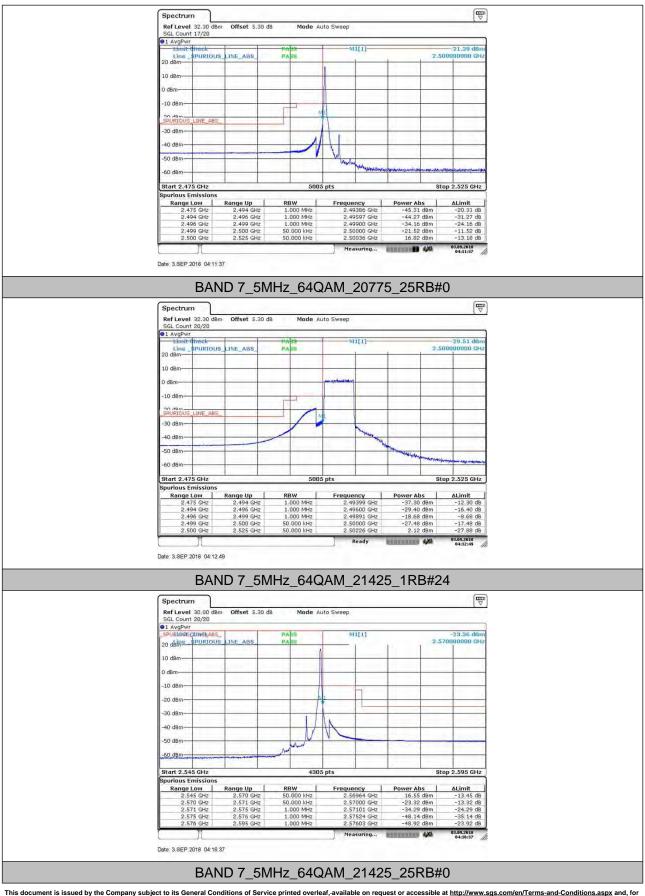


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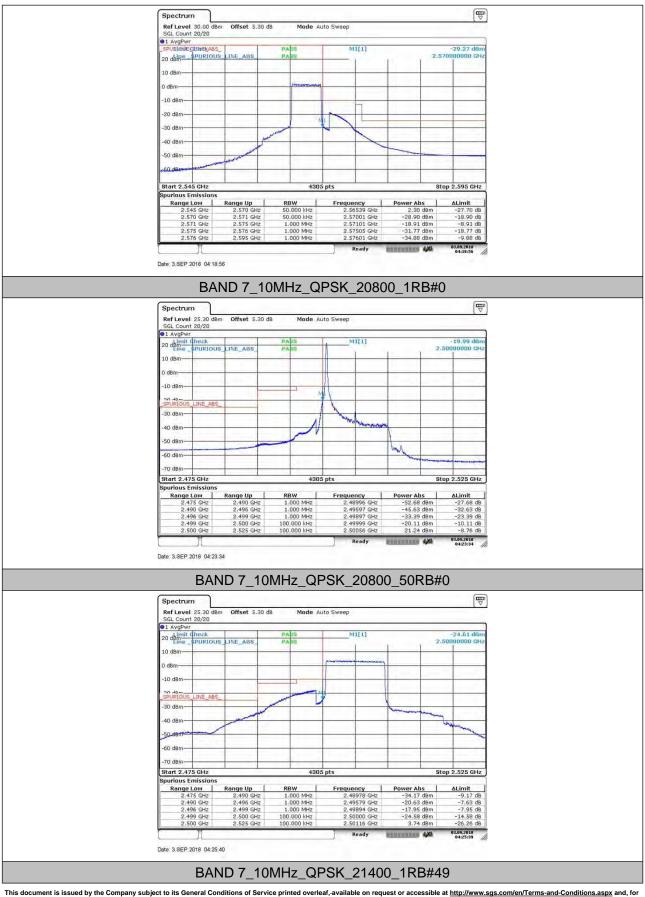


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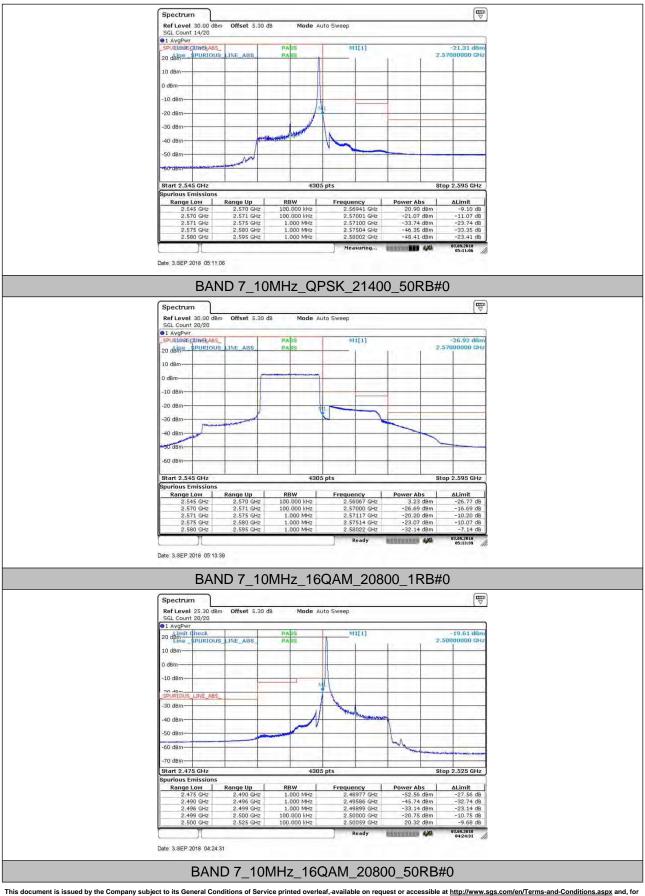


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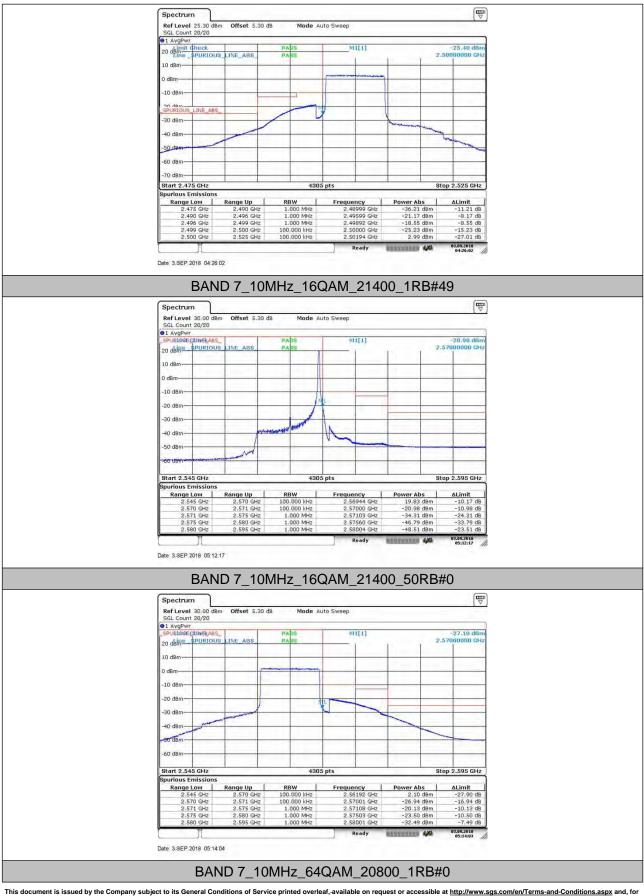


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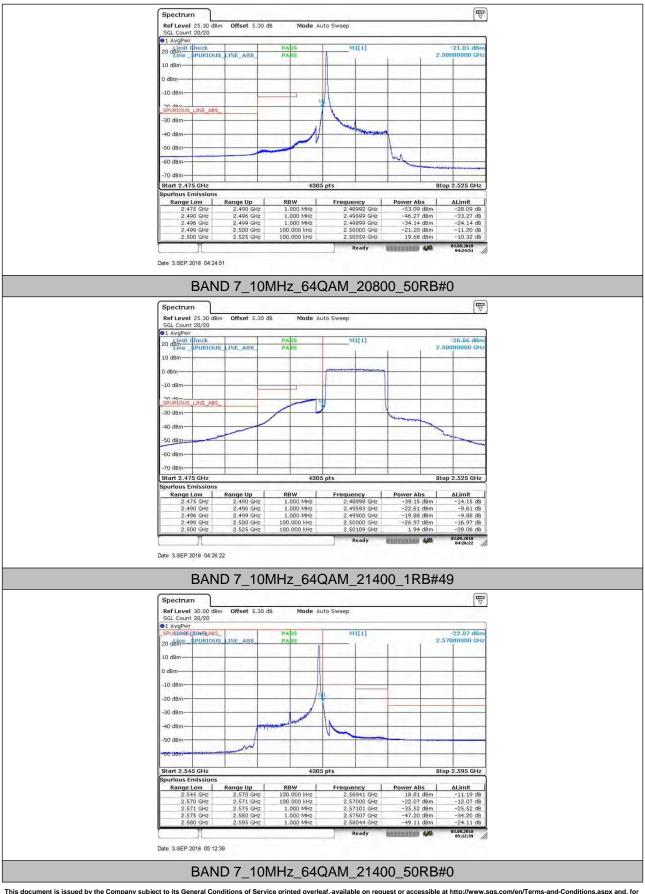


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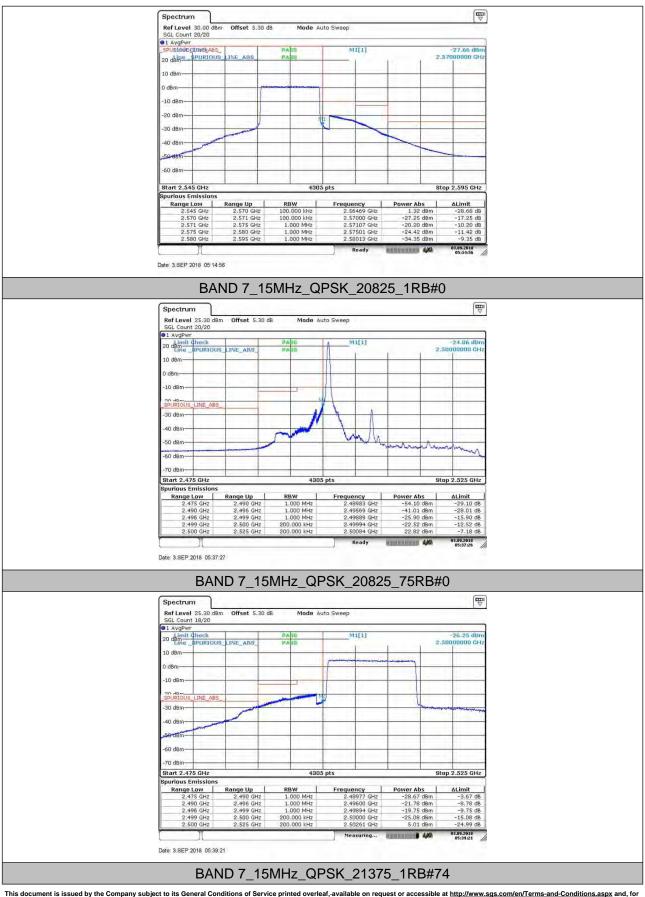


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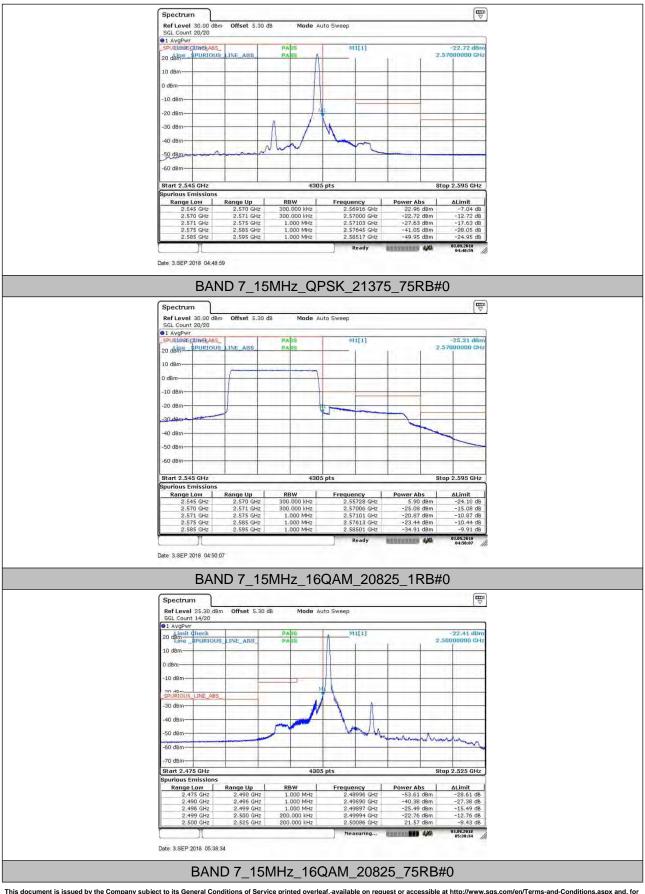


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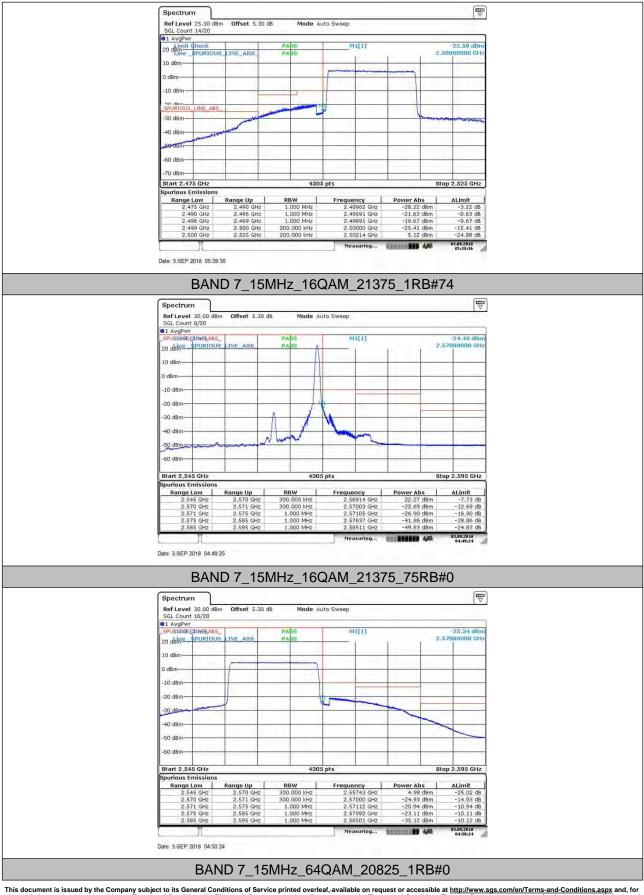


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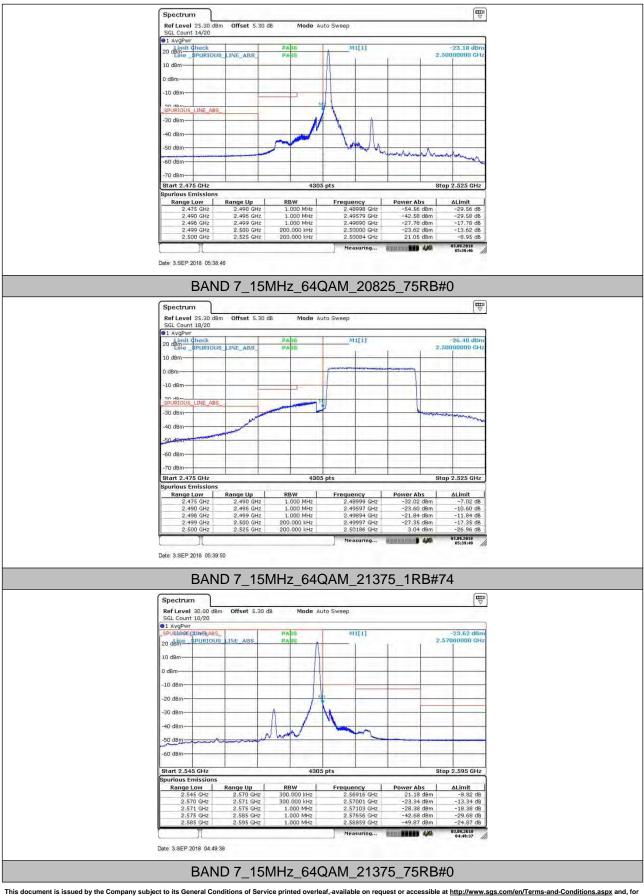


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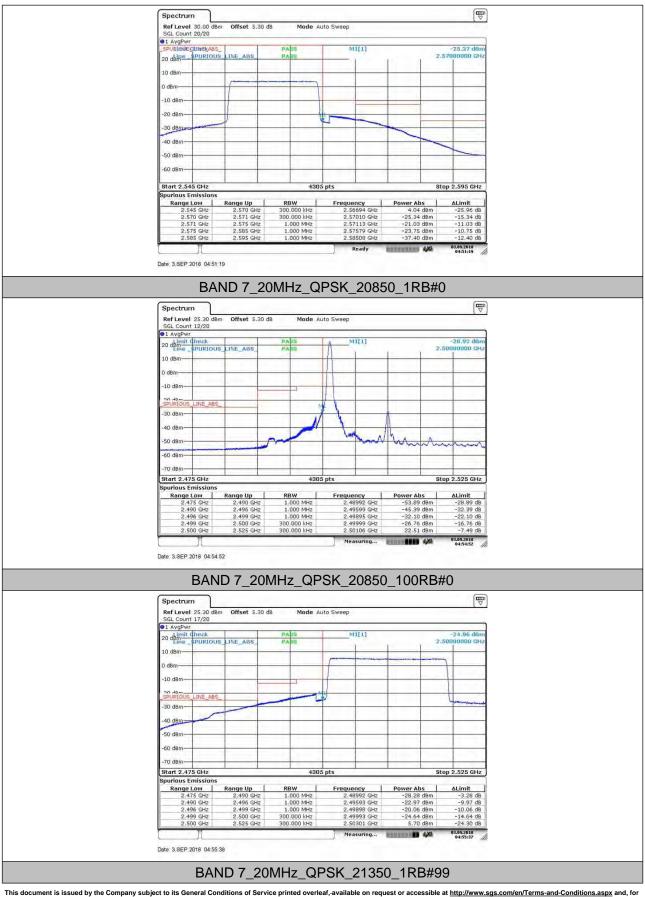


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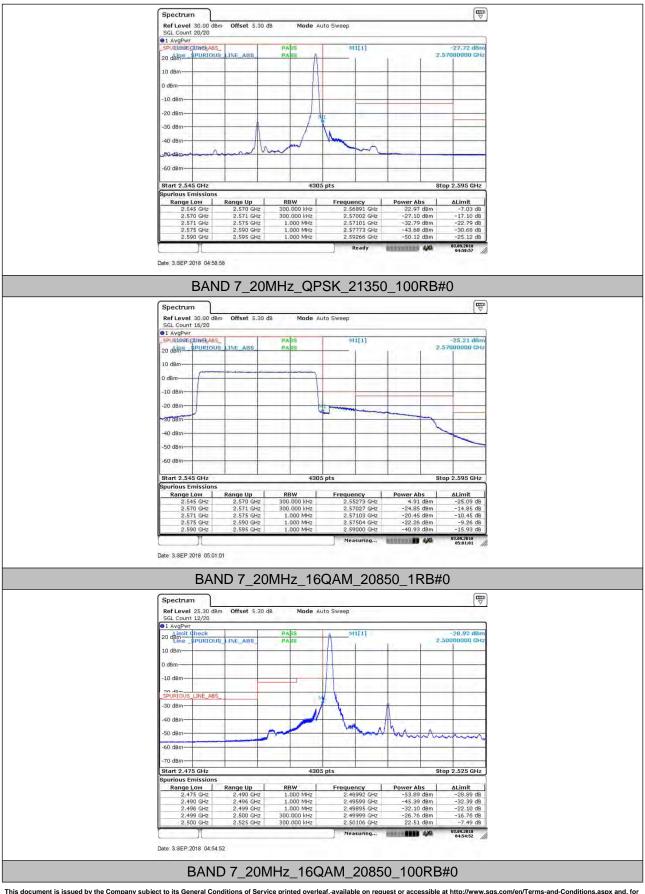


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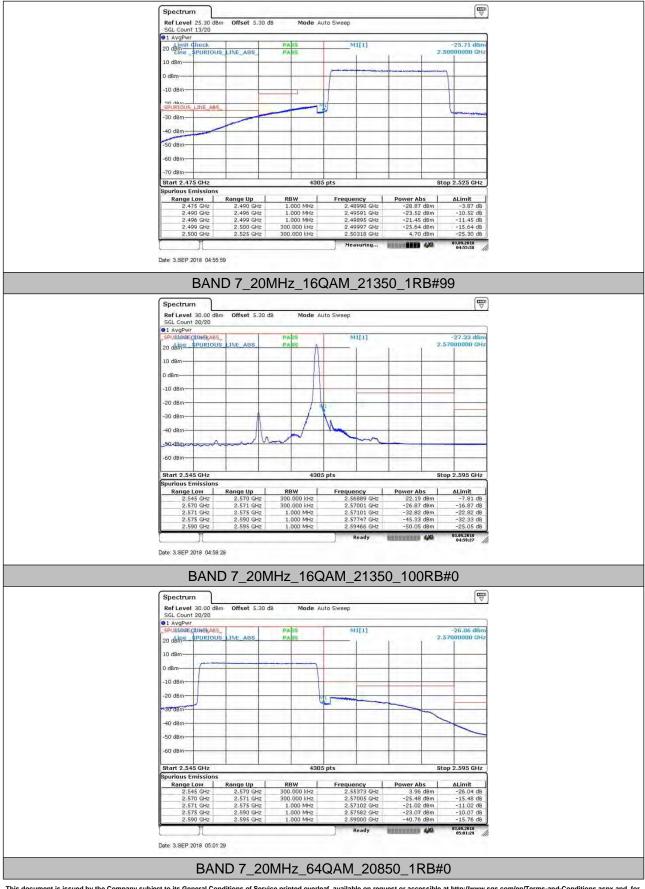


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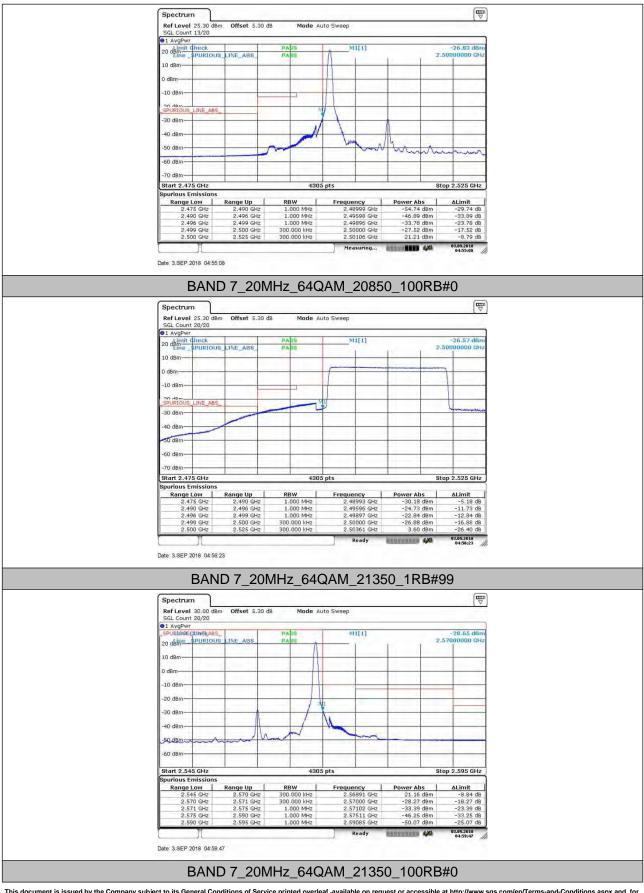


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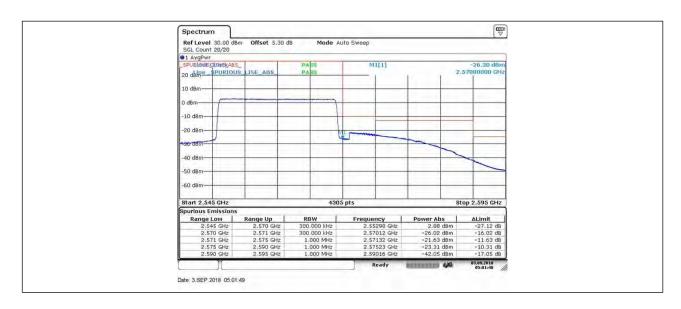


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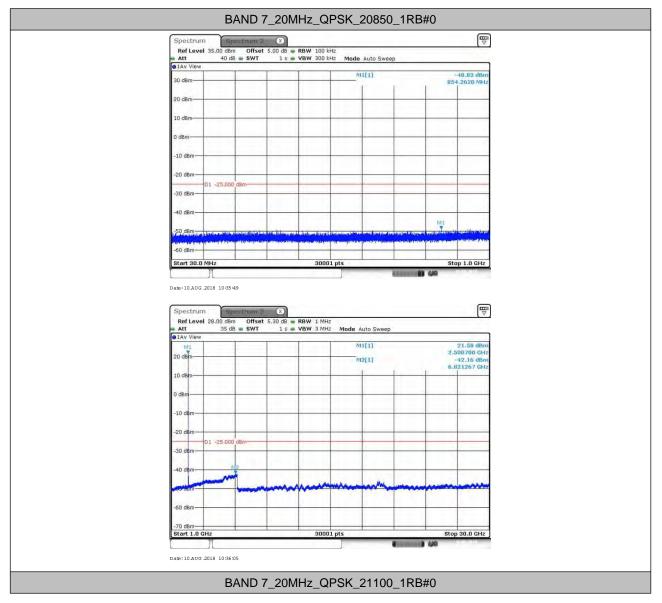


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#### 6. Spurious Emission at Antenna Terminal

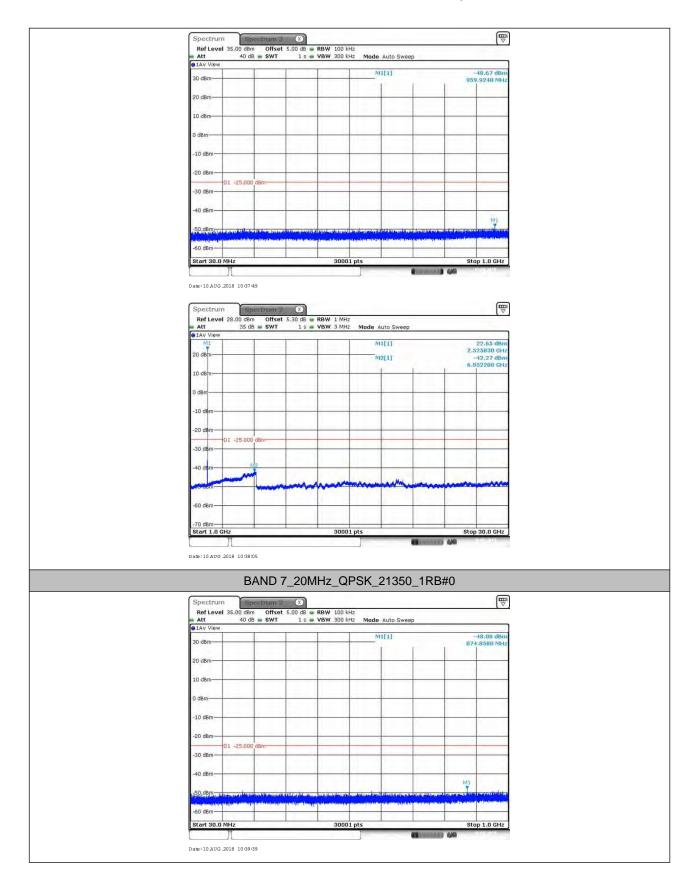
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k \* (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB. NOTE2: only the worst case data displayed in this report.

#### 6.1.Test Plots



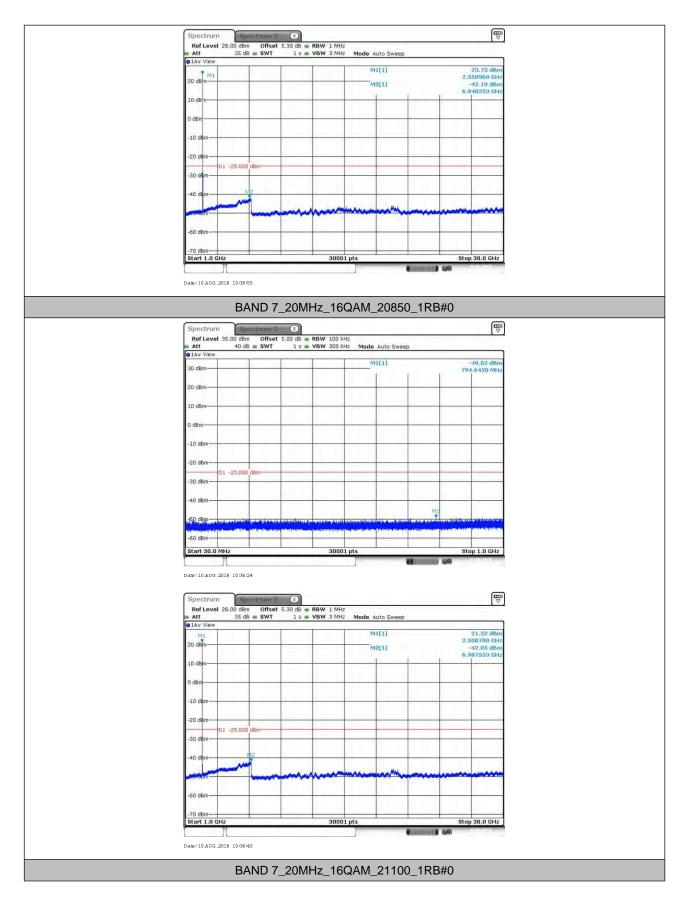


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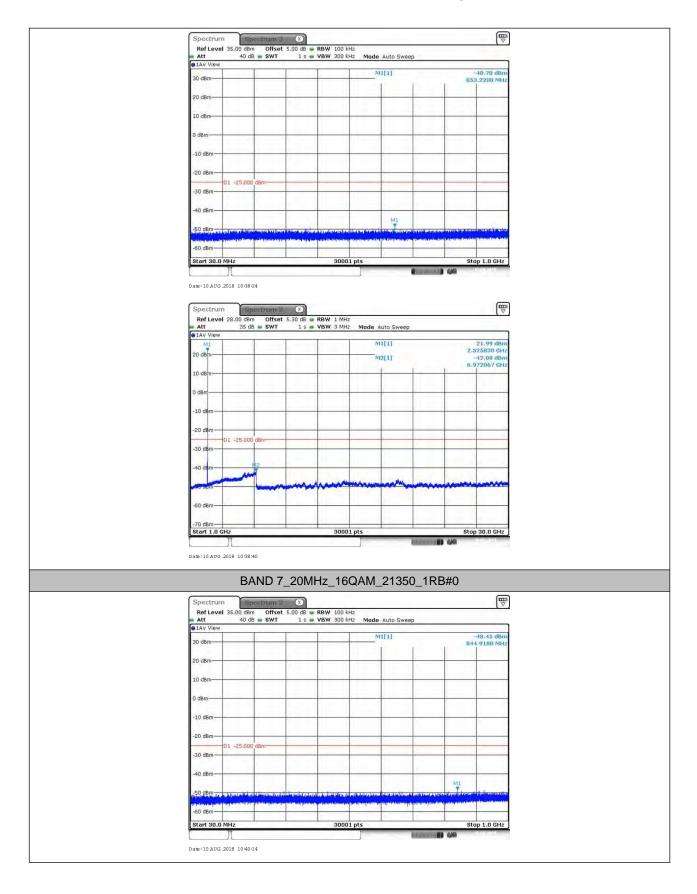


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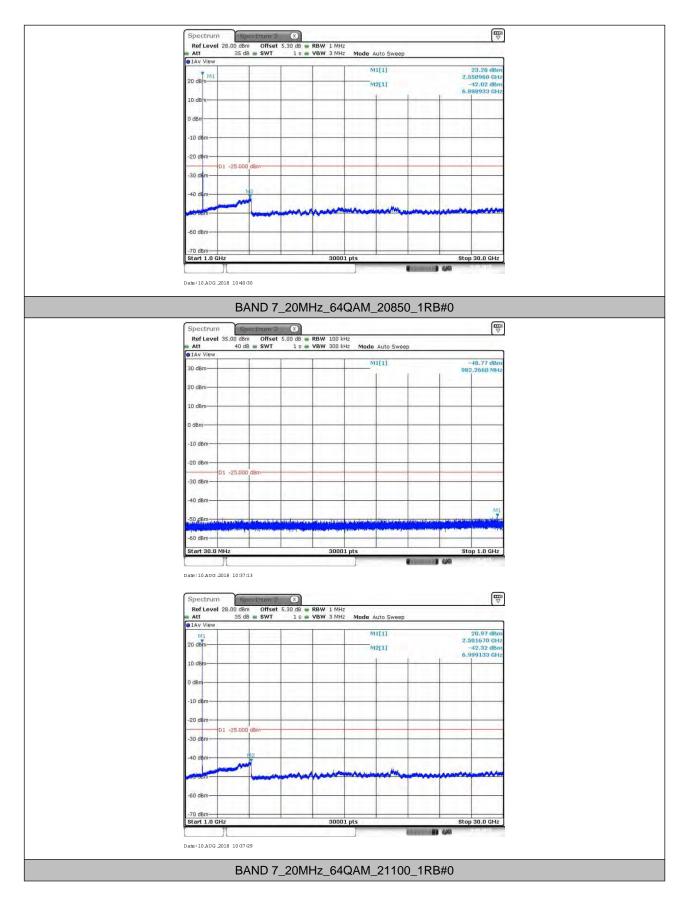


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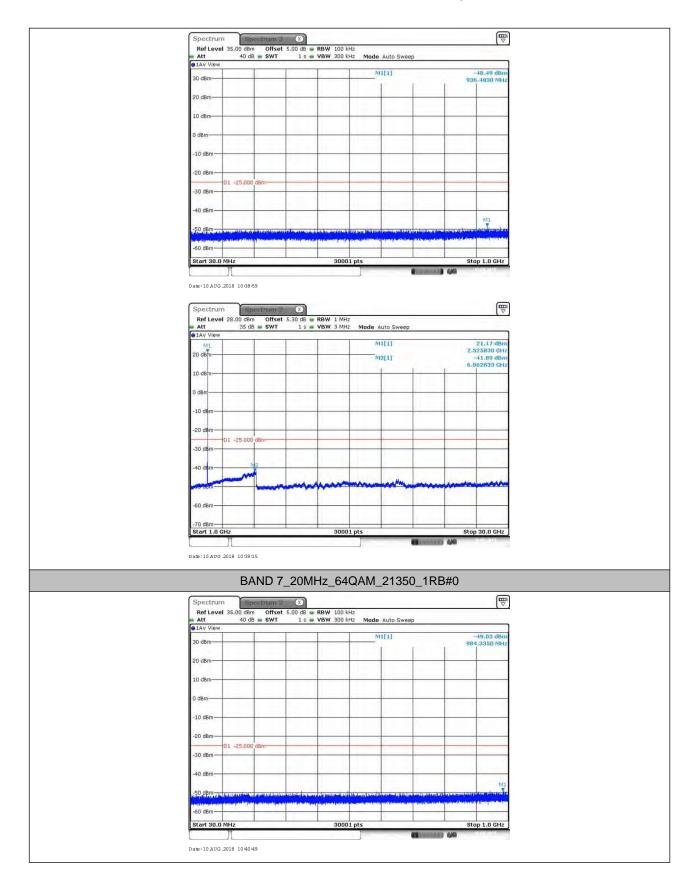


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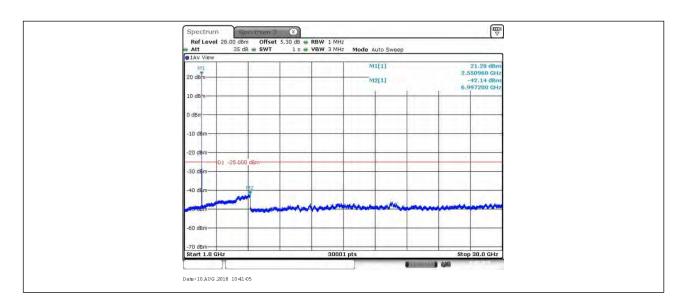


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#### 7. Field Strength of Spurious Radiation

#### 7.1.Test BAND = LTE BAND 7

#### 7.1.1. Test Mode =LTE/TM1 20MHz

#### 7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.050000	-81.72	-25.00	56.72	Vertical
104.250000	-65.37	-25.00	40.37	Vertical
1980.500000	-52.80	-25.00	27.80	Vertical
3908.700000	-68.18	-25.00	43.18	Vertical
5002.000000	-65.35	-25.00	40.35	Vertical
7932.200000	-63.76	-25.00	38.76	Vertical
55.850000	-78.09	-25.00	53.09	Horizontal
104.300000	-81.12	-25.00	56.12	Horizontal
1980.500000	-49.03	-25.00	24.03	Horizontal
4293.825000	-66.87	-25.00	41.87	Horizontal
5002.000000	-65.55	-25.00	40.55	Horizontal
7960.475000	-63.75	-25.00	38.75	Horizontal

#### 7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.150000	-81.80	-25.00	56.80	Vertical
104.300000	-65.39	-25.00	40.39	Vertical
2005.500000	-56.38	-25.00	31.38	Vertical
3893.750000	-68.08	-25.00	43.08	Vertical
5052.050000	-64.60	-25.00	39.60	Vertical
7954.300000	-63.77	-25.00	38.77	Vertical
62.600000	-78.01	-25.00	53.01	Horizontal
104.300000	-80.80	-25.00	55.80	Horizontal
2005.500000	-49.29	-25.00	24.29	Horizontal
4293.825000	-66.93	-25.00	41.93	Horizontal
5052.050000	-63.91	-25.00	38.91	Horizontal
9236.100000	-63.79	-25.00	38.79	Horizontal



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Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
64.950000	-82.38	-25.00	57.38	Vertical
124.950000	-87.14	-25.00	62.14	Vertical
345.450000	-86.11	-25.00	61.11	Vertical
5102.100000	-63.51	-25.00	38.51	Vertical
7856.475000	-63.73	-25.00	38.73	Vertical
10634.575000	-63.12	-25.00	38.12	Vertical
62.250000	-77.93	-25.00	52.93	Horizontal
104.250000	-85.75	-25.00	60.75	Horizontal
473.008333	-84.16	-25.00	59.16	Horizontal
5102.100000	-65.41	-25.00	40.41	Horizontal
7238.325000	-64.84	-25.00	39.84	Horizontal
10631.325000	-63.49	-25.00	38.49	Horizontal

#### 7.1.1.3. Test Channel = HCH

NOTE:

- All modes are tested, but the data presented above is the worst case.the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 2) 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

	1	1	1		Voltage		1		1	
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperatur e (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdic t
				100RB#0	VH	NT	-0.90	-0.000359	±2.5	PASS
			20850	100RB#0	VL	NT	-3.90	-0.001554	±2.5	PASS
				100RB#0	VN	NT	-0.70	-0.000279	±2.5	PASS
				100RB#0	VH	NT	0.20	0.000079	±2.5	PASS
		QPSK	21100	100RB#0	VL	NT	-1.60	-0.000631	±2.5	PASS
				100RB#0	VN	NT	-3.20	-0.001262	±2.5	PASS
				100RB#0	VH	NT	1.10	0.000430	±2.5	PASS
			21350	100RB#0	VL	NT	0.20	0.000078	±2.5	PASS
				100RB#0	VN	NT	0.80	0.000313	±2.5	PASS
				100RB#0	VH	NT	2.40	0.000956	±2.5	PASS
		OMHz 16QAM	20850	100RB#0	VL	NT	0.30	0.000120	±2.5	PASS
				100RB#0	VN	NT	-0.40	-0.000159	±2.5	PASS
			21100	100RB#0	VH	NT	-2.30	-0.000907	±2.5	PASS
BAND7	20MHz			100RB#0	VL	NT	-1.60	-0.000631	±2.5	PASS
				100RB#0	VN	NT	-0.60	-0.000237	±2.5	PASS
			21350	100RB#0	VH	NT	-2.50	-0.000977	±2.5	PASS
				100RB#0	VL	NT	-1.30	-0.000508	±2.5	PASS
				100RB#0	VN	NT	-0.20	-0.000078	±2.5	PASS
			20850	100RB#0	VH	NT	-1.50	-0.000598	±2.5	PASS
				100RB#0	VL	NT	0.70	0.000279	±2.5	PASS
				100RB#0	VN	NT	4.10	0.001633	±2.5	PASS
			54QAM 21100 21350	100RB#0	VH	NT	-0.30	-0.000118	±2.5	PASS
				100RB#0	VL	NT	0.50	0.000197	±2.5	PASS
				100RB#0	VN	NT	0.80	0.000316	±2.5	PASS
				100RB#0	VH	NT	-0.30	-0.000117	±2.5	PASS
				100RB#0	VL	NT	0.30	0.000117	±2.5	PASS
				100RB#0	VN	NT	-0.30	-0.000117	±2.5	PASS



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#### 8.2. Frequency Vs Temperature

		1		Ten	perature					
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperatur e (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdic t
				100RB#0	NV	0	-0.30	-0.000120	±2.5	PASS
				100RB#0	NV	10	1.70	0.000677	±2.5	PASS
			20850	100RB#0	NV	20	-2.90	-0.001155	±2.5	PASS
				100RB#0	NV	-20	0.90	0.000359	±2.5	PASS
				100RB#0	NV	-30	0.60	0.000239	±2.5	PASS
				100RB#0	NV	0	1.40	0.000552	±2.5	PASS
				100RB#0	NV	10	0.20	0.000079	±2.5	PASS
		QPSK	21100	100RB#0	NV	20	0.70	0.000276	±2.5	PASS
				100RB#0	NV	-20	0.60	0.000237	±2.5	PASS
				100RB#0	NV	-30	-1.00	-0.000394	±2.5	PASS
				100RB#0	NV	0	-0.30	-0.000117	±2.5	PASS
				100RB#0	NV	10	0.50	0.000195	±2.5	PASS
			21350	100RB#0	NV	20	0.20	0.000078	±2.5	PASS
				100RB#0	NV	-20	-0.40	-0.000156	±2.5	PASS
				100RB#0	NV	-30	0.40	0.000156	±2.5	PASS
			20850	100RB#0	NV	0	0.80	0.000319	±2.5	PASS
				100RB#0	NV	10	2.00	0.000797	±2.5	PASS
BAND7	20MHz			100RB#0	NV	20	-1.30	-0.000518	±2.5	PASS
				100RB#0	NV	-20	1.80	0.000717	±2.5	PASS
				100RB#0	NV	-30	1.10	0.000438	±2.5	PASS
		16QAM		100RB#0	NV	0	-1.50	-0.000592	±2.5	PASS
			21100	100RB#0	NV	10	-0.70	-0.000276	±2.5	PASS
				100RB#0	NV	20	0.30	0.000118	±2.5	PASS
				100RB#0	NV	-20	-1.00	-0.000394	±2.5	PASS
				100RB#0	NV	-30	-0.90	-0.000355	±2.5	PASS
				100RB#0	NV	0	3.10	0.001211	±2.5	PASS
				100RB#0	NV	10	0.40	0.000156	±2.5	PASS
			21350	100RB#0	NV	20	0.20	0.000078	±2.5	PASS
				100RB#0	NV	-20	0.40	0.000156	±2.5	PASS
				100RB#0	NV	-30	0.60	0.000234	±2.5	PASS
		64QAM	QAM 20850	100RB#0	NV	0	2.20	0.000876	±2.5	PASS
				100RB#0	NV	10	0.10	0.0004	±2.5	PASS
				100RB#0	NV	20	0.90	0.000359	±2.5	PASS
				100RB#0	NV	-20	-1.50	-0.000598	±2.5	PASS
				100RB#0	NV	-30	1.30	0.000518	±2.5	PASS



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	100RB#0	NV	0	-0.10	-0.000039	±2.5	PASS
21100	100RB#0	NV	10	0.30	0.000118	±2.5	PASS
	100RB#0	NV	20	-0.40	-0.000158	±2.5	PASS
	100RB#0	NV	-20	1.40	0.000552	±2.5	PASS
	100RB#0	NV	-30	1.10	0.000434	±2.5	PASS
21350	100RB#0	NV	0	1.90	0.000742	±2.5	PASS
	100RB#0	NV	10	0.30	0.000117	±2.5	PASS
	100RB#0	NV	20	0.80	0.000313	±2.5	PASS
	100RB#0	NV	-20	1.00	0.000391	±2.5	PASS
	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
		21100 100RB#0 21100 100RB#0 100RB#0 100RB#0 100RB#0 100RB#0 100RB#0 100RB#0 100RB#0	100RB#0 NV   21100 100RB#0 NV   100RB#0 NV	100RB#0 NV 10   21100 100RB#0 NV 20   100RB#0 NV -20   100RB#0 NV -20   100RB#0 NV -30   100RB#0 NV 0   100RB#0 NV 10   21350 100RB#0 NV 20   100RB#0 NV 20   100RB#0 NV 20	100RB#0 NV 10 0.30   21100 100RB#0 NV 20 -0.40   100RB#0 NV 20 1.40   100RB#0 NV -20 1.40   100RB#0 NV -30 1.10   100RB#0 NV 0 1.90   100RB#0 NV 10 0.30   21350 100RB#0 NV 20 0.80   100RB#0 NV -20 1.00	100RB#0 NV 10 0.30 0.000118   21100 100RB#0 NV 20 -0.40 -0.000158   100RB#0 NV 20 1.40 0.000552   100RB#0 NV -30 1.10 0.000434   100RB#0 NV 0 1.90 0.000742   100RB#0 NV 10 0.30 0.000117   21350 100RB#0 NV 20 0.80 0.000313   100RB#0 NV 20 0.80 0.000391	100RB#0 NV 10 0.30 0.000118 ±2.5   100RB#0 NV 20 -0.40 -0.000158 ±2.5   100RB#0 NV -20 1.40 0.000552 ±2.5   100RB#0 NV -30 1.10 0.000434 ±2.5   100RB#0 NV 0 1.90 0.000742 ±2.5   100RB#0 NV 10 0.30 0.000117 ±2.5   100RB#0 NV 20 0.80 0.000313 ±2.5   21350 100RB#0 NV 20 0.80 0.000391 ±2.5

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