

Appendix I

Test Results of LTE Band 7

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1. Conducted Output Power and EIRP

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
5.0	QPSK	Low	1	0	22.26	0.12	22.38	33.00	Pass
				13	22.37	0.12	22.49		Pass
				24	22.30	0.12	22.42		Pass
			12	0	21.35	0.12	21.47		Pass
				6	21.38	0.12	21.50		Pass
				11	21.35	0.12	21.47		Pass
			25	0	21.36	0.12	21.48		Pass
		Mid	1	0	22.31	0.12	22.43		Pass
				13	22.39	0.12	22.51		Pass
				24	22.36	0.12	22.48		Pass
			12	0	21.31	0.12	21.43		Pass
				6	21.34	0.12	21.46		Pass
				11	21.34	0.12	21.46		Pass
			25	0	21.30	0.12	21.42		Pass
		High	1	0	22.37	0.12	22.49		Pass
				13	22.46	0.12	22.58		Pass
				24	22.39	0.12	22.51		Pass
			12	0	21.31	0.12	21.43		Pass
				6	21.36	0.12	21.48		Pass
				11	21.39	0.12	21.51		Pass
			25	0	21.41	0.12	21.53		Pass
	16QAM	Low	1	0	21.53	0.12	21.65	33.00	Pass
				13	21.59	0.12	21.71		Pass
				24	21.59	0.12	21.71		Pass
			12	0	20.52	0.12	20.64		Pass
				6	20.51	0.12	20.63		Pass
				11	20.54	0.12	20.66		Pass
			25	0	20.44	0.12	20.56		Pass
		Mid	1	0	21.51	0.12	21.63		Pass
				13	21.58	0.12	21.70		Pass
				24	21.55	0.12	21.67		Pass
			12	0	20.48	0.12	20.60		Pass
				6	20.51	0.12	20.63		Pass
				11	20.50	0.12	20.62		Pass
			25	0	20.41	0.12	20.53		Pass
		High	1	0	21.90	0.12	22.02		Pass
				13	22.04	0.12	22.16		Pass
				24	21.98	0.12	22.10		Pass
			12	0	20.61	0.12	20.73		Pass
				6	20.64	0.12	20.76		Pass
				11	20.65	0.12	20.77		Pass
			25	0	20.55	0.12	20.67		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
5.0	64QAM	Low	1	0	20.65	0.12	20.77	33.00	Pass
				13	20.76	0.12	20.88		Pass
				24	20.72	0.12	20.84		Pass
			12	0	19.53	0.12	19.65		Pass
				6	19.56	0.12	19.68		Pass
				11	19.54	0.12	19.66		Pass
			25	0	19.51	0.12	19.63		Pass
		Mid	1	0	20.34	0.12	20.46		Pass
				13	20.40	0.12	20.52		Pass
				24	20.37	0.12	20.49		Pass
			12	0	19.45	0.12	19.57		Pass
				6	19.49	0.12	19.61		Pass
				11	19.48	0.12	19.60		Pass
			25	0	19.41	0.12	19.53		Pass
		High	1	0	20.72	0.12	20.84		Pass
				13	20.85	0.12	20.97		Pass
				24	20.77	0.12	20.89		Pass
			12	0	19.43	0.12	19.55		Pass
				6	19.46	0.12	19.58		Pass
				11	19.47	0.12	19.59		Pass
			25	0	19.48	0.12	19.60		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
10	QPSK	Low	1	0	22.26	0.12	22.38	33.00	Pass
				25	22.30	0.12	22.42		Pass
				49	22.33	0.12	22.45		Pass
			25	0	21.36	0.12	21.48		Pass
				13	21.40	0.12	21.52		Pass
				25	21.38	0.12	21.50		Pass
			50	0	21.36	0.12	21.48		Pass
		Mid	1	0	22.23	0.12	22.35		Pass
				25	22.30	0.12	22.42		Pass
				49	22.27	0.12	22.39		Pass
			25	0	21.29	0.12	21.41		Pass
				13	21.33	0.12	21.45		Pass
				25	21.34	0.12	21.46		Pass
			50	0	21.31	0.12	21.43		Pass
		High	1	0	22.22	0.12	22.34		Pass
				25	22.26	0.12	22.38		Pass
				49	22.27	0.12	22.39		Pass
			25	0	21.29	0.12	21.41		Pass
				13	21.38	0.12	21.50		Pass
				25	21.35	0.12	21.47		Pass
			50	0	21.36	0.12	21.48		Pass
	16QAM	Low	1	0	21.32	0.12	21.44	33.00	Pass
				25	21.34	0.12	21.46		Pass
				49	21.34	0.12	21.46		Pass
			25	0	20.49	0.12	20.61		Pass
				13	20.50	0.12	20.62		Pass
				25	20.53	0.12	20.65		Pass
			50	0	20.49	0.12	20.61		Pass
		Mid	1	0	21.73	0.12	21.85		Pass
				25	21.73	0.12	21.85		Pass
				49	21.75	0.12	21.87		Pass
			25	0	20.42	0.12	20.54		Pass
				13	20.48	0.12	20.60		Pass
				25	20.47	0.12	20.59		Pass
			50	0	20.43	0.12	20.55		Pass
		High	1	0	21.41	0.12	21.53		Pass
				25	21.46	0.12	21.58		Pass
				49	21.45	0.12	21.57		Pass
			25	0	20.54	0.12	20.66		Pass
				13	20.59	0.12	20.71		Pass
				25	20.55	0.12	20.67		Pass
			50	0	20.47	0.12	20.59		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
10	64QAM	Low	1	0	20.69	0.12	20.81	33.00	Pass
				25	20.78	0.12	20.90		Pass
				49	20.74	0.12	20.86		Pass
			25	0	19.49	0.12	19.61		Pass
				13	19.59	0.12	19.71		Pass
				25	19.55	0.12	19.67		Pass
			50	0	19.49	0.12	19.61		Pass
		Mid	1	0	20.48	0.12	20.60		Pass
				25	20.53	0.12	20.65		Pass
				49	20.55	0.12	20.67		Pass
			25	0	19.48	0.12	19.60		Pass
				13	19.54	0.12	19.66		Pass
				25	19.53	0.12	19.65		Pass
			50	0	19.48	0.12	19.60		Pass
		High	1	0	20.57	0.12	20.69		Pass
				25	20.60	0.12	20.72		Pass
				49	20.64	0.12	20.76		Pass
			25	0	19.55	0.12	19.67		Pass
				13	19.58	0.12	19.70		Pass
				25	19.57	0.12	19.69		Pass
			50	0	19.49	0.12	19.61		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
15	QPSK	Low	1	0	22.25	0.12	22.37	33.00	Pass
				38	22.34	0.12	22.46		Pass
				74	22.31	0.12	22.43		Pass
			36	0	21.30	0.12	21.42		Pass
				18	21.38	0.12	21.50		Pass
				39	21.35	0.12	21.47		Pass
			75	0	21.37	0.12	21.49		Pass
		Mid	1	0	22.25	0.12	22.37		Pass
				38	22.33	0.12	22.45		Pass
				74	22.31	0.12	22.43		Pass
			36	0	21.26	0.12	21.38		Pass
				18	21.35	0.12	21.47		Pass
				39	21.31	0.12	21.43		Pass
			75	0	21.28	0.12	21.40		Pass
		High	1	0	22.25	0.12	22.37		Pass
				38	22.35	0.12	22.47		Pass
				74	22.37	0.12	22.49		Pass
			36	0	21.24	0.12	21.36		Pass
				18	21.31	0.12	21.43		Pass
				39	21.32	0.12	21.44		Pass
			75	0	21.25	0.12	21.37		Pass
	16QAM	Low	1	0	21.29	0.12	21.41	33.00	Pass
				38	21.38	0.12	21.50		Pass
				74	21.37	0.12	21.49		Pass
			36	0	20.39	0.12	20.51		Pass
				18	20.49	0.12	20.61		Pass
				39	20.47	0.12	20.59		Pass
			75	0	20.47	0.12	20.59		Pass
		Mid	1	0	21.73	0.12	21.85		Pass
				38	21.81	0.12	21.93		Pass
				74	21.78	0.12	21.90		Pass
			36	0	20.39	0.12	20.51		Pass
				18	20.45	0.12	20.57		Pass
				39	20.46	0.12	20.58		Pass
			75	0	20.40	0.12	20.52		Pass
		High	1	0	21.75	0.12	21.87		Pass
				38	21.87	0.12	21.99		Pass
				74	21.86	0.12	21.98		Pass
			36	0	20.34	0.12	20.46		Pass
				18	20.39	0.12	20.51		Pass
				39	20.38	0.12	20.50		Pass
			75	0	20.38	0.12	20.50		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
15	64QAM	Low	1	0	20.71	0.12	20.83	33.00	Pass
				38	20.77	0.12	20.89		Pass
				74	20.75	0.12	20.87		Pass
			36	0	19.45	0.12	19.57		Pass
				18	19.53	0.12	19.65		Pass
				39	19.51	0.12	19.63		Pass
			75	0	19.50	0.12	19.62		Pass
		Mid	1	0	20.50	0.12	20.62		Pass
				38	20.57	0.12	20.69		Pass
				74	20.52	0.12	20.64		Pass
			36	0	19.43	0.12	19.55		Pass
				18	19.47	0.12	19.59		Pass
				39	19.52	0.12	19.64		Pass
			75	0	19.39	0.12	19.51		Pass
		High	1	0	20.95	0.12	21.07		Pass
				38	21.06	0.12	21.18		Pass
				74	21.06	0.12	21.18		Pass
			36	0	19.39	0.12	19.51		Pass
				18	19.42	0.12	19.54		Pass
				39	19.44	0.12	19.56		Pass
			75	0	19.42	0.12	19.54		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
20	QPSK	Low	1	0	22.23	0.12	22.35	33.00	Pass
				50	22.30	0.12	22.42		Pass
				99	22.21	0.12	22.33		Pass
			50	0	21.37	0.12	21.49		Pass
				25	21.42	0.12	21.54		Pass
				50	21.24	0.12	21.36		Pass
			100	0	21.21	0.12	21.33		Pass
		Mid	1	0	22.17	0.12	22.29		Pass
				50	22.26	0.12	22.38		Pass
				99	22.26	0.12	22.38		Pass
			50	0	21.29	0.12	21.41		Pass
				25	21.35	0.12	21.47		Pass
				50	21.33	0.12	21.45		Pass
			100	0	21.31	0.12	21.43		Pass
		High	1	0	22.25	0.12	22.37		Pass
				50	22.26	0.12	22.38		Pass
				99	22.30	0.12	22.42		Pass
			50	0	21.38	0.12	21.50		Pass
				25	21.34	0.12	21.46		Pass
				50	21.36	0.12	21.48		Pass
			100	0	21.39	0.12	21.51		Pass
	16QAM	Low	1	0	21.86	0.12	21.98	33.00	Pass
				50	21.98	0.12	22.10		Pass
				99	21.91	0.12	22.03		Pass
			50	0	20.46	0.12	20.58		Pass
				25	20.56	0.12	20.68		Pass
				50	20.40	0.12	20.52		Pass
			100	0	20.37	0.12	20.49		Pass
		Mid	1	0	21.78	0.12	21.90		Pass
				50	21.82	0.12	21.94		Pass
				99	21.81	0.12	21.93		Pass
			50	0	20.39	0.12	20.51		Pass
				25	20.44	0.12	20.56		Pass
				50	20.46	0.12	20.58		Pass
			100	0	20.39	0.12	20.51		Pass
		High	1	0	21.79	0.12	21.91		Pass
				50	21.79	0.12	21.91		Pass
				99	21.85	0.12	21.97		Pass
			50	0	20.47	0.12	20.59		Pass
				25	20.42	0.12	20.54		Pass
				50	20.46	0.12	20.58		Pass
			100	0	20.52	0.12	20.64		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
20	64QAM	Low	1	0	20.68	0.12	20.80	33.00	Pass
				50	20.82	0.12	20.94		Pass
				99	20.70	0.12	20.82		Pass
			50	0	19.51	0.12	19.63		Pass
				25	19.57	0.12	19.69		Pass
				50	19.47	0.12	19.59		Pass
			100	0	19.39	0.12	19.51		Pass
				0	21.00	0.12	21.12		Pass
		Mid	1	50	21.06	0.12	21.18		Pass
				99	21.07	0.12	21.19		Pass
				0	19.45	0.12	19.57		Pass
			50	25	19.48	0.12	19.60		Pass
				50	19.45	0.12	19.57		Pass
				0	19.41	0.12	19.53		Pass
		High	1	0	21.06	0.12	21.18		Pass
				50	21.07	0.12	21.19		Pass
				99	21.13	0.12	21.25		Pass
			50	0	19.51	0.12	19.63		Pass
				25	19.51	0.12	19.63		Pass
				50	19.49	0.12	19.61		Pass
			100	0	19.52	0.12	19.64		Pass

2. Field Strength of Spurious Radiation

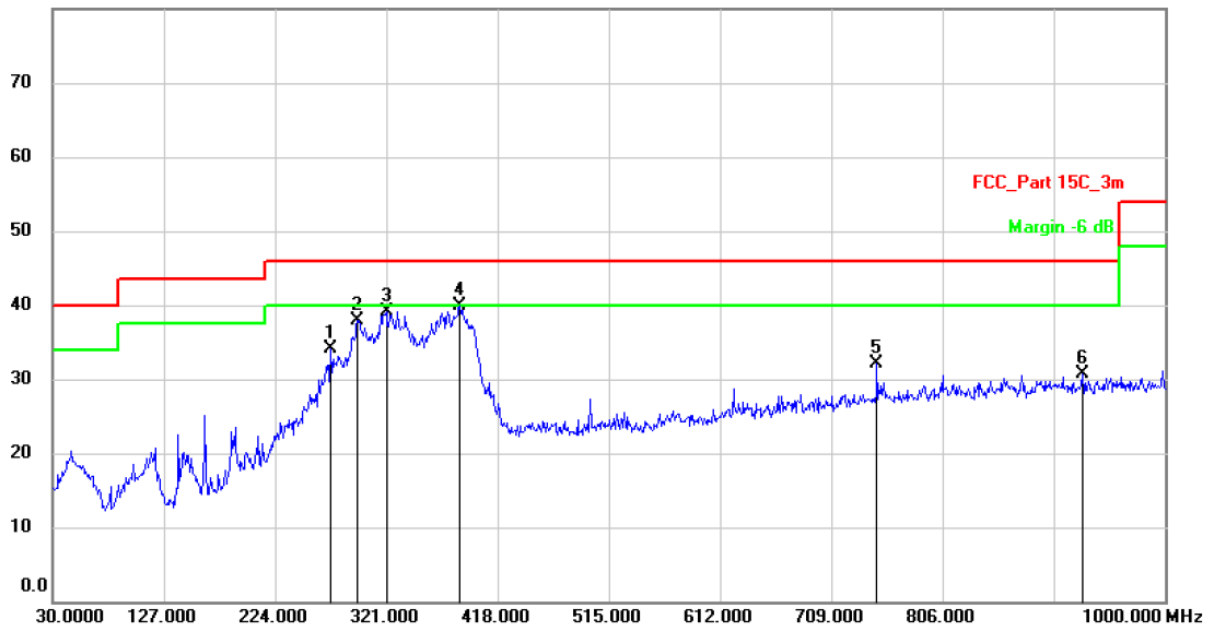
M/N: SC138-NA	Testing Voltage: DC 3.8V
Polarization: Horizontal	Detector: QP
Test Mode: TX	Distance: 3m

Radiated Emission Measurement

Date: 2025/12/8

Time: 16:57:54

80.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		272.5000	41.46	-7.33	34.13	46.00	-11.87	QP	
2		295.7800	44.82	-6.90	37.92	46.00	-8.08	QP	
3		321.0000	45.39	-6.20	39.19	46.00	-6.81	QP	
4	*	385.0200	44.71	-4.75	39.96	46.00	-6.04	QP	
5		748.7700	30.00	2.03	32.03	46.00	-13.97	QP	
6		928.2200	26.58	4.08	30.66	46.00	-15.34	QP	

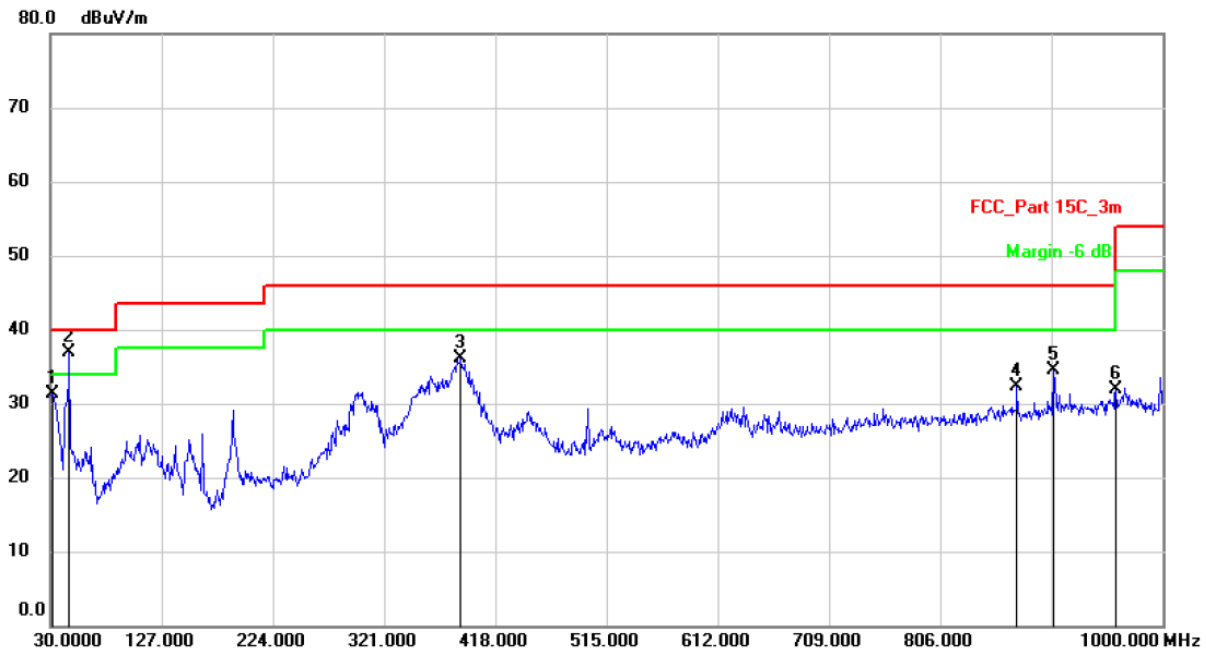
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

M/N: SC138-NA	Testing Voltage: DC 3.8V
Polarization: Vertical	Detector: QP
Test Mode: TX	Distance: 3m

Radiated Emission Measurement

Date: 2025/12/8

Time: 16:50:37



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		31.9400	41.78	-10.46	31.32	40.00	-8.68	QP	
2	*	46.4900	44.35	-7.51	36.84	40.00	-3.16	QP	
3		387.9300	40.76	-4.68	36.08	46.00	-9.92	QP	
4		872.9300	28.50	3.80	32.30	46.00	-13.70	QP	
5		904.9400	30.45	4.01	34.46	46.00	-11.54	QP	
6		959.2600	27.61	4.27	31.88	46.00	-14.12	QP	

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

LTE Band 7 / 20M / QPSK					
Channel	Frequency (MHz)	Polarization (H/V)	Meas. Level (dBm)	Limit (dBm)	Margin (dBm)
Lowest	5020.000	H	-46.00	-13	-33.00
	7530.000	H	-40.76	-13	-27.76

	5020.000	V	-45.93	-13	-32.93
	7530.000	V	-40.20	-13	-27.20

Middle	5070.000	H	-46.85	-13	-33.85
	7605.000	H	-39.90	-13	-26.90

	5070.000	V	-45.64	-13	-32.64
	7605.000	V	-40.94	-13	-27.94

Highest	5120.000	H	-46.69	-13	-33.69
	7680.000	H	-41.11	-13	-28.11

	5120.000	V	-45.93	-13	-32.93
	7680.000	V	-41.21	-13	-28.21

Note: 1. Spurious emissions within 30-1000MHz and other emissions were found more than 20dB below limit line.
2. Only the worst case was recorded in the report.

---End---