

Appendix I

Test Results of LTE Band 12

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1. Conducted Output Power and EIRP

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
1.4	QPSK	Low	1	0	22.60	2.58	23.03	34.77	Pass
				2	22.64	2.58	23.07		Pass
				5	22.55	2.58	22.98		Pass
			3	0	22.63	2.58	23.06		Pass
				1	22.68	2.58	23.11		Pass
				2	22.62	2.58	23.05		Pass
			6	0	21.53	2.58	21.96		Pass
		Mid	1	0	22.55	2.58	22.98		Pass
				2	22.63	2.58	23.06		Pass
				5	22.58	2.58	23.01		Pass
			3	0	22.57	2.58	23.00		Pass
				1	22.62	2.58	23.05		Pass
				2	22.56	2.58	22.99		Pass
			6	0	21.53	2.58	21.96		Pass
		High	1	0	22.62	2.58	23.05		Pass
				2	22.67	2.58	23.10		Pass
				5	22.61	2.58	23.04		Pass
			3	0	22.59	2.58	23.02		Pass
				1	22.66	2.58	23.09		Pass
				2	22.61	2.58	23.04		Pass
			6	0	21.60	2.58	22.03		Pass
	16QAM	Low	1	0	22.02	2.58	22.45	34.77	Pass
				2	22.08	2.58	22.51		Pass
				5	21.99	2.58	22.33		Pass
			3	0	21.85	2.58	22.28		Pass
				1	21.90	2.58	22.33		Pass
				2	21.84	2.58	22.27		Pass
			6	0	20.58	2.58	21.01		Pass
		Mid	1	0	21.69	2.58	22.12		Pass
				2	21.75	2.58	22.18		Pass
				5	21.71	2.58	22.14		Pass
			3	0	21.85	2.58	22.28		Pass
				1	21.89	2.58	22.32		Pass
				2	21.83	2.58	22.26		Pass
			6	0	20.84	2.58	21.27		Pass
		High	1	0	21.80	2.58	22.23		Pass
				2	21.85	2.58	22.28		Pass
				5	21.78	2.58	22.21		Pass
			3	0	21.77	2.58	22.20		Pass
				1	21.80	2.58	22.23		Pass
				2	21.75	2.58	22.18		Pass
			6	0	20.87	2.58	21.30		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
1.4	64QAM	Low	1	0	20.80	2.58	21.23	34.77	Pass
				2	20.89	2.58	21.32		Pass
				5	20.74	2.58	21.17		Pass
			3	0	20.83	2.58	21.26		Pass
				1	20.90	2.58	21.33		Pass
				2	20.84	2.58	21.27		Pass
			6	0	19.97	2.58	20.40		Pass
		Mid	1	0	20.85	2.58	21.28		Pass
				2	20.94	2.58	21.37		Pass
				5	20.87	2.58	21.30		Pass
			3	0	20.63	2.58	21.06		Pass
				1	20.72	2.58	21.15		Pass
				2	20.65	2.58	21.08		Pass
			6	0	19.74	2.58	20.17		Pass
		High	1	0	21.05	2.58	21.48		Pass
				2	21.16	2.58	21.59		Pass
				5	21.04	2.58	21.47		Pass
			3	0	21.03	2.58	21.46		Pass
				1	21.12	2.58	21.55		Pass
				2	21.02	2.58	21.45		Pass
			6	0	19.69	2.58	20.12		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
3.0	QPSK	Low	1	0	22.58	2.58	23.01	34.77	Pass
				7	22.65	2.58	23.08		Pass
				14	22.59	2.58	23.02		Pass
			8	0	21.63	2.58	22.06		Pass
				4	21.64	2.58	22.07		Pass
				7	21.65	2.58	22.08		Pass
			15	0	21.65	2.58	22.08		Pass
		Mid	1	0	22.68	2.58	23.11		Pass
				7	22.75	2.58	23.18		Pass
				14	22.66	2.58	23.09		Pass
			8	0	21.67	2.58	22.10		Pass
				4	21.69	2.58	22.12		Pass
				7	21.60	2.58	22.03		Pass
			15	0	21.62	2.58	22.05		Pass
		High	1	0	22.66	2.58	23.09		Pass
				7	22.70	2.58	23.13		Pass
				14	22.62	2.58	23.05		Pass
			8	0	21.69	2.58	22.12		Pass
				4	21.76	2.58	22.19		Pass
				7	21.65	2.58	22.08		Pass
			15	0	21.71	2.58	22.14		Pass
	16QAM	Low	1	0	21.62	2.58	22.05	34.77	Pass
				7	21.67	2.58	22.10		Pass
				14	21.55	2.58	21.98		Pass
			8	0	20.85	2.58	21.28		Pass
				4	20.87	2.58	21.30		Pass
				7	20.82	2.58	21.25		Pass
			15	0	20.77	2.58	21.20		Pass
		Mid	1	0	22.11	2.58	22.54		Pass
				7	22.18	2.58	22.61		Pass
				14	22.13	2.58	22.56		Pass
			8	0	20.82	2.58	21.25		Pass
				4	20.84	2.58	21.27		Pass
				7	20.79	2.58	21.22		Pass
			15	0	20.76	2.58	21.19		Pass
		High	1	0	21.77	2.58	22.20		Pass
				7	21.83	2.58	22.26		Pass
				14	21.75	2.58	22.18		Pass
			8	0	20.84	2.58	21.27		Pass
				4	20.87	2.58	21.30		Pass
				7	20.83	2.58	21.26		Pass
			15	0	20.78	2.58	21.21		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
3.0	64QAM	Low	1	0	21.06	2.58	21.49	34.77	Pass
				7	21.10	2.58	21.53		Pass
				14	21.02	2.58	21.45		Pass
			8	0	19.79	2.58	20.22		Pass
				4	19.87	2.58	20.30		Pass
				7	19.79	2.58	20.22		Pass
			15	0	19.77	2.58	20.20		Pass
		Mid	1	0	20.84	2.58	21.27		Pass
				7	20.95	2.58	21.38		Pass
				14	20.87	2.58	21.30		Pass
			8	0	19.84	2.58	20.27		Pass
				4	19.81	2.58	20.24		Pass
				7	19.76	2.58	20.19		Pass
			15	0	19.75	2.58	20.18		Pass
		High	1	0	20.96	2.58	21.39		Pass
				7	21.00	2.58	21.43		Pass
				14	20.94	2.58	21.37		Pass
			8	0	19.78	2.58	20.21		Pass
				4	19.81	2.58	20.24		Pass
				7	19.77	2.58	20.20		Pass
			15	0	19.88	2.58	20.31		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
5.0	QPSK	Low	1	0	22.77	2.58	23.20	34.77	Pass
				13	22.73	2.58	23.16		Pass
				24	22.70	2.58	23.13		Pass
			12	0	21.69	2.58	22.12		Pass
				6	21.69	2.58	22.12		Pass
				11	21.66	2.58	22.09		Pass
			25	0	21.68	2.58	22.11		Pass
		Mid	1	0	22.71	2.58	23.14		Pass
				13	22.70	2.58	23.13		Pass
				24	22.67	2.58	23.10		Pass
			12	0	21.70	2.58	22.13		Pass
				6	21.68	2.58	22.11		Pass
				11	21.64	2.58	22.07		Pass
			25	0	21.68	2.58	22.11		Pass
		High	1	0	22.78	2.58	23.21		Pass
				13	22.77	2.58	23.20		Pass
				24	22.69	2.58	23.12		Pass
			12	0	21.77	2.58	22.20		Pass
				6	21.77	2.58	22.20		Pass
				11	21.75	2.58	22.18		Pass
			25	0	21.75	2.58	22.18		Pass
	16QAM	Low	1	0	21.89	2.58	22.32	34.77	Pass
				13	21.88	2.58	22.31		Pass
				24	21.84	2.58	22.27		Pass
			12	0	20.86	2.58	21.29		Pass
				6	20.86	2.58	21.29		Pass
				11	20.84	2.58	21.27		Pass
			25	0	20.76	2.58	21.19		Pass
		Mid	1	0	22.32	2.58	22.75		Pass
				13	22.32	2.58	22.75		Pass
				24	22.26	2.58	22.69		Pass
			12	0	20.92	2.58	21.35		Pass
				6	20.92	2.58	21.35		Pass
				11	20.87	2.58	21.30		Pass
			25	0	20.82	2.58	21.25		Pass
		High	1	0	21.90	2.58	22.33		Pass
				13	21.91	2.58	22.34		Pass
				24	21.87	2.58	22.30		Pass
			12	0	20.93	2.58	21.36		Pass
				6	20.89	2.58	21.32		Pass
				11	20.86	2.58	21.29		Pass
			25	0	20.77	2.58	21.20		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
5.0	64QAM	Low	1	0	20.73	2.58	21.16	34.77	Pass
				13	20.70	2.58	21.13		Pass
				24	20.64	2.58	21.07		Pass
			12	0	19.84	2.58	20.27		Pass
				6	19.87	2.58	20.30		Pass
				11	19.86	2.58	20.29		Pass
			25	0	19.77	2.58	20.20		Pass
		Mid	1	0	21.12	2.58	21.55		Pass
				13	21.15	2.58	21.58		Pass
				24	21.03	2.58	21.46		Pass
			12	0	19.74	2.58	20.17		Pass
				6	19.70	2.58	20.13		Pass
				11	19.69	2.58	20.12		Pass
			25	0	19.74	2.58	20.17		Pass
		High	1	0	21.07	2.58	21.50		Pass
				13	21.07	2.58	21.50		Pass
				24	21.00	2.58	21.43		Pass
			12	0	19.92	2.58	20.35		Pass
				6	19.91	2.58	20.34		Pass
				11	19.93	2.58	20.36		Pass
			25	0	19.88	2.58	20.31		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
10	QPSK	Low	1	0	22.65	2.58	23.08	34.77	Pass
				25	22.69	2.58	23.12		Pass
				49	22.63	2.58	23.06		Pass
			25	0	21.79	2.58	22.22		Pass
				13	21.75	2.58	22.18		Pass
				25	21.72	2.58	22.15		Pass
			50	0	21.77	2.58	22.20		Pass
		Mid	1	0	22.60	2.58	23.03		Pass
				25	22.66	2.58	23.09		Pass
				49	22.69	2.58	23.12		Pass
			25	0	21.77	2.58	22.20		Pass
				13	21.73	2.58	22.16		Pass
				25	21.65	2.58	22.08		Pass
			50	0	21.68	2.58	22.11		Pass
		High	1	0	22.73	2.58	23.16		Pass
				25	22.63	2.58	23.06		Pass
				49	22.70	2.58	23.13		Pass
			25	0	21.66	2.58	22.09		Pass
				13	21.70	2.58	22.13		Pass
				25	21.65	2.58	22.08		Pass
			50	0	21.67	2.58	22.10		Pass
	16QAM	Low	1	0	21.63	2.58	22.06	34.77	Pass
				25	21.69	2.58	22.12		Pass
				49	21.66	2.58	22.09		Pass
			25	0	20.87	2.58	21.30		Pass
				13	20.86	2.58	21.29		Pass
				25	20.81	2.58	21.24		Pass
			50	0	20.82	2.58	21.25		Pass
		Mid	1	0	22.05	2.58	22.48		Pass
				25	22.11	2.58	22.54		Pass
				49	22.10	2.58	22.53		Pass
			25	0	20.90	2.58	21.33		Pass
				13	20.83	2.58	21.26		Pass
				25	20.77	2.58	21.20		Pass
			50	0	20.83	2.58	21.26		Pass
		High	1	0	21.86	2.58	22.29		Pass
				25	21.72	2.58	22.15		Pass
				49	21.73	2.58	22.16		Pass
			25	0	20.91	2.58	21.34		Pass
				13	20.88	2.58	21.31		Pass
				25	20.82	2.58	21.25		Pass
			50	0	20.80	2.58	21.23		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	ERP (dBm)	Limit (dBm)	Result
			Size	Offset					
10	64QAM	Low	1	0	20.85	2.58	21.28	34.77	Pass
				25	20.89	2.58	21.32		Pass
				49	20.88	2.58	21.31		Pass
			25	0	19.99	2.58	20.42		Pass
				13	19.94	2.58	20.37		Pass
				25	19.89	2.58	20.32		Pass
			50	0	19.89	2.58	20.32		Pass
				0	20.89	2.58	21.32		Pass
		Mid	1	25	20.94	2.58	21.37		Pass
				49	20.92	2.58	21.35		Pass
				0	19.93	2.58	20.36		Pass
			25	13	19.87	2.58	20.30		Pass
				25	19.83	2.58	20.26		Pass
				0	19.81	2.58	20.24		Pass
			High	0	21.10	2.58	21.53		Pass
				25	21.04	2.58	21.47		Pass
				49	21.02	2.58	21.45		Pass
				0	19.85	2.58	20.28		Pass
				13	19.82	2.58	20.25		Pass
				25	19.80	2.58	20.23		Pass
				50	19.79	2.58	20.22		Pass

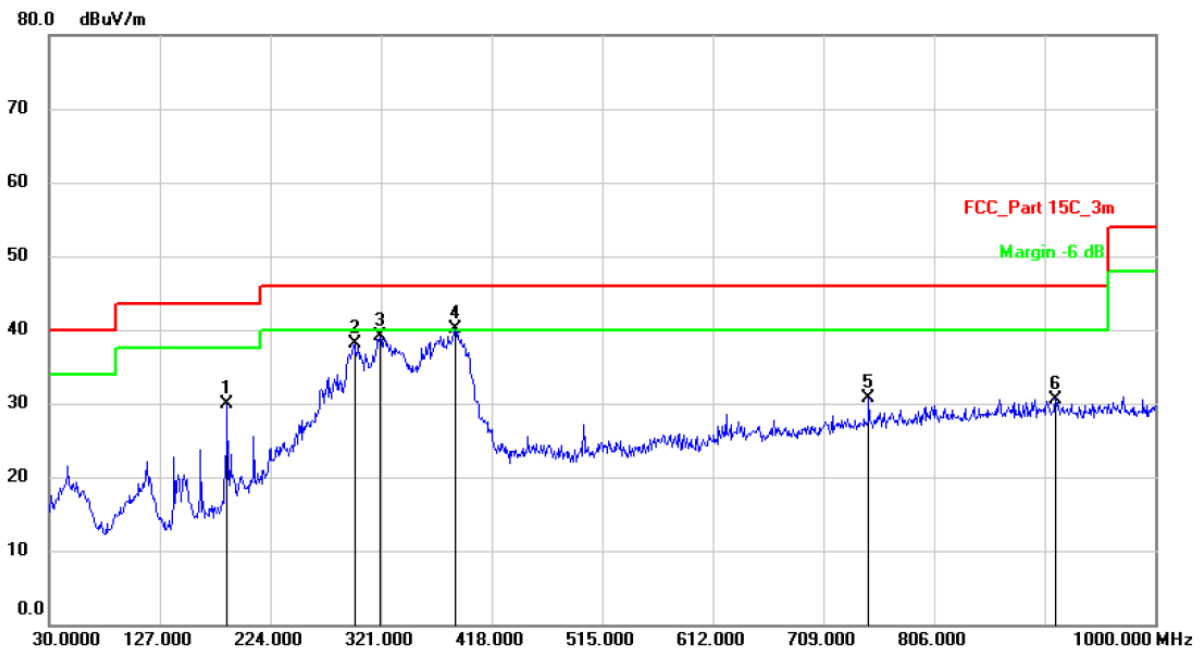
2. Field Strength of Spurious Radiation

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: 17:25:44



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		186.1700	40.34	-10.35	29.99	43.50	-13.51	QP	
2		297.7200	44.93	-6.84	38.09	46.00	-7.91	QP	
3		320.0300	45.40	-6.24	39.16	46.00	-6.84	QP	
4	*	385.9900	44.84	-4.72	40.12	46.00	-5.88	QP	
5		748.7700	28.74	2.03	30.77	46.00	-15.23	QP	
6		912.7000	26.56	4.04	30.60	46.00	-15.40	QP	

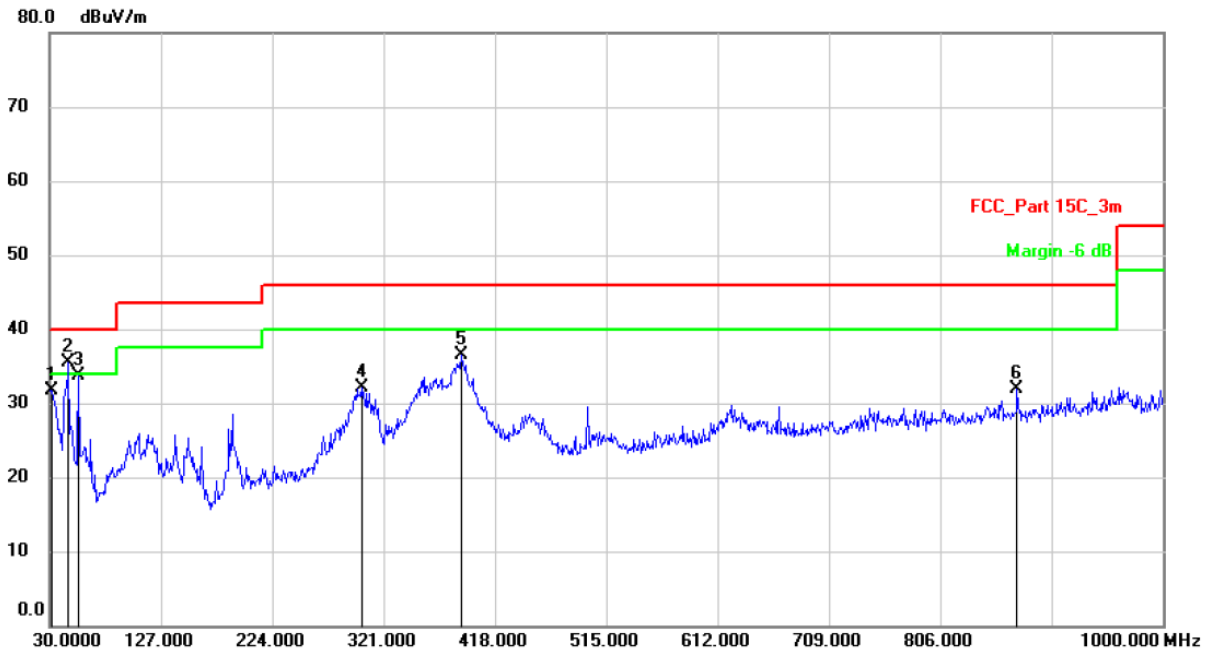
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

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: 17:18:17



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		31.9400	42.20	-10.46	31.74	40.00	-8.26	QP	
2	*	46.4900	42.95	-7.51	35.44	40.00	-4.56	QP	
3		55.2200	41.44	-7.79	33.65	40.00	-6.35	QP	
4		301.6000	38.76	-6.75	32.01	46.00	-13.99	QP	
5		388.9000	41.21	-4.65	36.56	46.00	-9.44	QP	
6		872.9300	28.02	3.80	31.82	46.00	-14.18	QP	

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

LTE Band 12 / 10M / QPSK					
Channel	Frequency (MHz)	Polarization (H/V)	Meas. Level (dBm)	Limit (dBm)	Margin (dBm)
Lowest	1408.000	H	-53.60	-13	-40.60
	2112.000	H	-52.31	-13	-39.31

	1408.000	V	-47.58	-13	-34.58
	2112.000	V	-52.14	-13	-39.14

Middle	1415.000	H	-44.90	-13	-31.90
	2509.500	H	-51.99	-13	-38.99

	1415.000	V	-46.38	-13	-33.38
	2509.500	V	-52.63	-13	-39.63

Highest	1422.000	H	-46.40	-13	-33.40
	2133.000	H	-52.12	-13	-39.12

	1422.000	V	-47.09	-13	-34.09
	2133.000	V	-52.10	-13	-39.10

Note: Only the worst case was recorded in the report.

---End---