

Appendix I

Test Results of LTE Band 4

Table of Contents

1. Conducted Output Power and EIRP	3
2. Field Strength of Spurious Radiation	15

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						
1.4	QPSK	Low	1	0	22.32	2.65	24.97	30.00	Pass	
				2	22.43	2.65	25.08		Pass	
				5	22.34	2.65	24.99		Pass	
			3	0	22.40	2.65	25.05		Pass	
				1	22.47	2.65	25.12		Pass	
				2	22.45	2.65	25.10		Pass	
			6	0	21.36	2.65	24.01		Pass	
			Mid	1	0	22.51	2.65		25.16	Pass
					2	22.58	2.65		25.23	Pass
		5			22.53	2.65	25.18		Pass	
		3		0	22.52	2.65	25.17		Pass	
				1	22.61	2.65	25.26		Pass	
				2	22.55	2.65	25.20		Pass	
		6		0	21.51	2.65	24.16		Pass	
		High		1	0	22.45	2.65		25.10	Pass
					2	22.46	2.65		25.11	Pass
			5		22.43	2.65	25.08		Pass	
			3	0	22.52	2.65	25.17		Pass	
				1	22.57	2.65	25.22		Pass	
				2	22.50	2.65	25.15		Pass	
			6	0	21.41	2.65	24.06		Pass	
			16QAM	Low	1	0	21.47		2.65	24.12
	2					21.59	2.65	24.24	Pass	
	5	21.54				2.65	24.19	Pass		
	3	0			21.70	2.65	24.35	Pass		
		1			21.76	2.65	24.41	Pass		
		2			21.69	2.65	24.34	Pass		
	6	0			20.69	2.65	23.34	Pass		
	Mid	1			0	21.96	2.65	24.61	Pass	
					2	22.02	2.65	24.67	Pass	
				5	21.97	2.65	24.62	Pass		
		3		0	21.85	2.65	24.50	Pass		
				1	21.90	2.65	24.55	Pass		
				2	21.82	2.65	24.47	Pass		
		6		0	20.58	2.65	23.23	Pass		
	High	1		0	21.93	2.65	24.58	Pass		
				2	21.94	2.65	24.59	Pass		
				5	21.89	2.65	24.54	Pass		
		3		0	21.77	2.65	24.42	Pass		
				1	21.89	2.65	24.54	Pass		
				2	21.80	2.65	24.45	Pass		
		6		0	20.47	2.65	23.12	Pass		

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
1.4	64QAM	Low	1	0	20.89	2.65	23.54	30.00	Pass
				2	21.01	2.65	23.66		Pass
				5	20.87	2.65	23.52		Pass
			3	0	20.90	2.65	23.55		Pass
				1	20.94	2.65	23.59		Pass
				2	20.85	2.65	23.50		Pass
			6	0	19.49	2.65	22.14		Pass
		Mid	1	0	20.73	2.65	23.38		Pass
				2	20.78	2.65	23.43		Pass
				5	20.68	2.65	23.33		Pass
			3	0	20.76	2.65	23.41		Pass
				1	20.85	2.65	23.50		Pass
				2	20.78	2.65	23.43		Pass
			6	0	19.97	2.65	22.62		Pass
		High	1	0	20.73	2.65	23.38		Pass
				2	20.80	2.65	23.45		Pass
				5	20.75	2.65	23.40		Pass
			3	0	20.54	2.65	23.19		Pass
				1	20.63	2.65	23.28		Pass
				2	20.55	2.65	23.20		Pass
			6	0	19.65	2.65	22.30		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
3.0	QPSK	Low	1	0	22.45	2.65	25.10	30.00	Pass
				7	22.52	2.65	25.17		Pass
				14	22.45	2.65	25.10		Pass
			8	0	21.44	2.65	24.09		Pass
				4	21.45	2.65	24.10		Pass
				7	21.45	2.65	24.10		Pass
			15	0	21.47	2.65	24.12		Pass
		Mid	1	0	22.59	2.65	25.24		Pass
				7	22.65	2.65	25.30		Pass
				14	22.59	2.65	25.24		Pass
			8	0	21.59	2.65	24.24		Pass
				4	21.64	2.65	24.29		Pass
				7	21.59	2.65	24.24		Pass
			15	0	21.59	2.65	24.24		Pass
		High	1	0	22.51	2.65	25.16		Pass
				7	22.54	2.65	25.19		Pass
				14	22.47	2.65	25.12		Pass
			8	0	21.51	2.65	24.16		Pass
				4	21.51	2.65	24.16		Pass
				7	21.47	2.65	24.12		Pass
			15	0	21.51	2.65	24.16		Pass
	16QAM	Low	1	0	21.45	2.65	24.10	30.00	Pass
				7	21.53	2.65	24.18		Pass
				14	21.43	2.65	24.08		Pass
			8	0	20.69	2.65	23.34		Pass
				4	20.68	2.65	23.33		Pass
				7	20.62	2.65	23.27		Pass
			15	0	20.63	2.65	23.28		Pass
		Mid	1	0	22.05	2.65	24.70		Pass
				7	22.12	2.65	24.77		Pass
				14	22.04	2.65	24.69		Pass
			8	0	20.78	2.65	23.43		Pass
				4	20.83	2.65	23.48		Pass
				7	20.78	2.65	23.43		Pass
			15	0	20.76	2.65	23.41		Pass
		High	1	0	21.66	2.65	24.31		Pass
				7	21.71	2.65	24.36		Pass
				14	21.66	2.65	24.31		Pass
			8	0	20.69	2.65	23.34		Pass
				4	20.66	2.65	23.31		Pass
				7	20.63	2.65	23.28		Pass
			15	0	20.57	2.65	23.22		Pass

BW (MHz)	Modulation	Channel	RB Allocation		Average Power (dBm)	GT - LC (dB)	EIRP (dBm)	Limit (dBm)	Result
			Size	Offset					
3.0	64QAM	Low	1	0	20.88	2.65	23.53	30.00	Pass
				7	20.96	2.65	23.61		Pass
				14	20.88	2.65	23.53		Pass
			8	0	19.65	2.65	22.30		Pass
				4	19.68	2.65	22.33		Pass
				7	19.67	2.65	22.32		Pass
			15	0	19.57	2.65	22.22		Pass
		Mid	1	0	20.79	2.65	23.44		Pass
				7	20.89	2.65	23.54		Pass
				14	20.79	2.65	23.44		Pass
			8	0	19.76	2.65	22.41		Pass
				4	19.82	2.65	22.47		Pass
				7	19.76	2.65	22.41		Pass
			15	0	19.76	2.65	22.41		Pass
		High	1	0	20.86	2.65	23.51		Pass
				7	20.87	2.65	23.52		Pass
				14	20.82	2.65	23.47		Pass
			8	0	19.61	2.65	22.26		Pass
				4	19.67	2.65	22.32		Pass
				7	19.58	2.65	22.23		Pass
			15	0	19.67	2.65	22.32		Pass

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	22.59	2.65	25.24	30.00	Pass
				13	22.64	2.65	25.29		Pass
				24	22.58	2.65	25.23		Pass
			12	0	21.48	2.65	24.13		Pass
				6	21.51	2.65	24.16		Pass
				11	21.48	2.65	24.13		Pass
			25	0	21.52	2.65	24.17		Pass
		Mid	1	0	22.59	2.65	25.24		Pass
				13	22.60	2.65	25.25		Pass
				24	22.58	2.65	25.23		Pass
			12	0	21.66	2.65	24.31		Pass
				6	21.68	2.65	24.33		Pass
				11	21.63	2.65	24.28		Pass
			25	0	21.67	2.65	24.32		Pass
		High	1	0	22.60	2.65	25.25		Pass
				13	22.59	2.65	25.24		Pass
				24	22.59	2.65	25.24		Pass
			12	0	21.54	2.65	24.19		Pass
				6	21.55	2.65	24.20		Pass
				11	21.53	2.65	24.18		Pass
			25	0	21.55	2.65	24.20		Pass
	16QAM	Low	1	0	21.75	2.65	24.40	30.00	Pass
				13	21.78	2.65	24.43		Pass
				24	21.72	2.65	24.37		Pass
			12	0	20.69	2.65	23.34		Pass
				6	20.71	2.65	23.36		Pass
				11	20.68	2.65	23.33		Pass
			25	0	20.61	2.65	23.26		Pass
		Mid	1	0	22.25	2.65	24.90		Pass
				13	22.23	2.65	24.88		Pass
				24	22.21	2.65	24.86		Pass
			12	0	20.91	2.65	23.56		Pass
				6	20.92	2.65	23.57		Pass
				11	20.87	2.65	23.52		Pass
			25	0	20.81	2.65	23.46		Pass
		High	1	0	21.76	2.65	24.41		Pass
				13	21.74	2.65	24.39		Pass
				24	21.76	2.65	24.41		Pass
			12	0	20.70	2.65	23.35		Pass
				6	20.71	2.65	23.36		Pass
				11	20.68	2.65	23.33		Pass
			25	0	20.60	2.65	23.25		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	20.58	2.65	23.23	30.00	Pass
				13	20.57	2.65	23.22		Pass
				24	20.57	2.65	23.22		Pass
			12	0	19.70	2.65	22.35		Pass
				6	19.67	2.65	22.32		Pass
				11	19.64	2.65	22.29		Pass
			25	0	19.57	2.65	22.22		Pass
		Mid	1	0	21.05	2.65	23.70		Pass
				13	21.05	2.65	23.70		Pass
				24	21.02	2.65	23.67		Pass
			12	0	19.72	2.65	22.37		Pass
				6	19.75	2.65	22.40		Pass
				11	19.69	2.65	22.34		Pass
			25	0	19.72	2.65	22.37		Pass
		High	1	0	20.89	2.65	23.54		Pass
				13	20.94	2.65	23.59		Pass
				24	20.90	2.65	23.55		Pass
			12	0	19.78	2.65	22.43		Pass
				6	19.76	2.65	22.41		Pass
				11	19.76	2.65	22.41		Pass
			25	0	19.68	2.65	22.33		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	22.50	2.65	25.15	30.00	Pass
				25	22.44	2.65	25.09		Pass
				49	22.48	2.65	25.13		Pass
			25	0	21.56	2.65	24.21		Pass
				13	21.52	2.65	24.17		Pass
				25	21.53	2.65	24.18		Pass
			50	0	21.55	2.65	24.20		Pass
		Mid	1	0	22.63	2.65	25.28		Pass
				25	22.55	2.65	25.20		Pass
				49	22.60	2.65	25.25		Pass
			25	0	21.69	2.65	24.34		Pass
				13	21.67	2.65	24.32		Pass
				25	21.65	2.65	24.30		Pass
			50	0	21.66	2.65	24.31		Pass
		High	1	0	22.52	2.65	25.17		Pass
				25	22.39	2.65	25.04		Pass
				49	22.48	2.65	25.13		Pass
			25	0	21.54	2.65	24.19		Pass
				13	21.57	2.65	24.22		Pass
				25	21.51	2.65	24.16		Pass
			50	0	21.53	2.65	24.18		Pass
	16QAM	Low	1	0	21.56	2.65	24.21	30.00	Pass
				25	21.46	2.65	24.11		Pass
				49	21.49	2.65	24.14		Pass
			25	0	20.67	2.65	23.32		Pass
				13	20.61	2.65	23.26		Pass
				25	20.62	2.65	23.27		Pass
			50	0	20.62	2.65	23.27		Pass
		Mid	1	0	22.08	2.65	24.73		Pass
				25	21.99	2.65	24.64		Pass
				49	22.05	2.65	24.70		Pass
			25	0	20.86	2.65	23.51		Pass
				13	20.81	2.65	23.46		Pass
				25	20.79	2.65	23.44		Pass
			50	0	20.77	2.65	23.42		Pass
		High	1	0	21.69	2.65	24.34		Pass
				25	21.59	2.65	24.24		Pass
				49	21.63	2.65	24.28		Pass
			25	0	20.73	2.65	23.38		Pass
				13	20.76	2.65	23.41		Pass
				25	20.71	2.65	23.36		Pass
			50	0	20.67	2.65	23.32		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	20.92	2.65	23.57	30.00	Pass
				25	20.85	2.65	23.50		Pass
				49	20.87	2.65	23.52		Pass
			25	0	19.68	2.65	22.33		Pass
				13	19.67	2.65	22.32		Pass
				25	19.64	2.65	22.29		Pass
			50	0	19.63	2.65	22.28		Pass
		Mid	1	0	20.83	2.65	23.48		Pass
				25	20.82	2.65	23.47		Pass
				49	20.81	2.65	23.46		Pass
			25	0	19.90	2.65	22.55		Pass
				13	19.86	2.65	22.51		Pass
				25	19.89	2.65	22.54		Pass
			50	0	19.87	2.65	22.52		Pass
		High	1	0	20.82	2.65	23.47		Pass
				25	20.76	2.65	23.41		Pass
				49	20.75	2.65	23.40		Pass
			25	0	19.79	2.65	22.44		Pass
				13	19.72	2.65	22.37		Pass
				25	19.77	2.65	22.42		Pass
			50	0	19.67	2.65	22.32		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	22.57	2.65	25.22	30.00	Pass
				38	22.43	2.65	25.08		Pass
				74	22.57	2.65	25.22		Pass
			36	0	21.55	2.65	24.20		Pass
				18	21.50	2.65	24.15		Pass
				39	21.66	2.65	24.31		Pass
			75	0	21.67	2.65	24.32		Pass
		Mid	1	0	22.71	2.65	25.36		Pass
				38	22.57	2.65	25.22		Pass
				74	22.60	2.65	25.25		Pass
			36	0	21.69	2.65	24.34		Pass
				18	21.66	2.65	24.31		Pass
				39	21.62	2.65	24.27		Pass
			75	0	21.61	2.65	24.26		Pass
		High	1	0	22.72	2.65	25.37		Pass
				38	22.52	2.65	25.17		Pass
				74	22.55	2.65	25.20		Pass
			36	0	21.68	2.65	24.33		Pass
				18	21.53	2.65	24.18		Pass
				39	21.55	2.65	24.20		Pass
			75	0	21.66	2.65	24.31		Pass
	16QAM	Low	1	0	21.62	2.65	24.27	30.00	Pass
				38	21.48	2.65	24.13		Pass
				74	21.63	2.65	24.28		Pass
			36	0	20.62	2.65	23.27		Pass
				18	20.63	2.65	23.28		Pass
				39	20.78	2.65	23.43		Pass
			75	0	20.79	2.65	23.44		Pass
		Mid	1	0	22.19	2.65	24.84		Pass
				38	22.03	2.65	24.68		Pass
				74	22.06	2.65	24.71		Pass
			36	0	20.84	2.65	23.49		Pass
				18	20.84	2.65	23.49		Pass
				39	20.79	2.65	23.44		Pass
			75	0	20.78	2.65	23.43		Pass
		High	1	0	22.23	2.65	24.88		Pass
				38	21.97	2.65	24.62		Pass
				74	22.07	2.65	24.72		Pass
			36	0	20.77	2.65	23.42		Pass
				18	20.64	2.65	23.29		Pass
				39	20.64	2.65	23.29		Pass
			75	0	20.74	2.65	23.39		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	21.01	2.65	23.66	30.00	Pass
				38	20.86	2.65	23.51		Pass
				74	21.01	2.65	23.66		Pass
			36	0	19.70	2.65	22.35		Pass
				18	19.64	2.65	22.29		Pass
				39	19.80	2.65	22.45		Pass
			75	0	19.78	2.65	22.43		Pass
									Pass
		Mid	1	0	20.94	2.65	23.59		Pass
				38	20.78	2.65	23.43		Pass
				74	20.87	2.65	23.52		Pass
			36	0	19.90	2.65	22.55		Pass
				18	19.83	2.65	22.48		Pass
				39	19.86	2.65	22.51		Pass
			75	0	19.81	2.65	22.46		Pass
									Pass
		High	1	0	21.43	2.65	24.08		Pass
				38	21.20	2.65	23.85		Pass
				74	21.25	2.65	23.90		Pass
			36	0	19.82	2.65	22.47		Pass
				18	19.65	2.65	22.30		Pass
				39	19.63	2.65	22.28		Pass
			75	0	19.85	2.65	22.50		Pass
									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	22.59	2.65	25.24	30.00	Pass
				50	22.41	2.65	25.06		Pass
				99	22.56	2.65	25.21		Pass
			50	0	21.61	2.65	24.26		Pass
				25	21.67	2.65	24.32		Pass
				50	21.72	2.65	24.37		Pass
			100	0	21.72	2.65	24.37		Pass
		Mid	1	0	22.67	2.65	25.32		Pass
				50	22.51	2.65	25.16		Pass
				99	22.58	2.65	25.23		Pass
			50	0	21.73	2.65	24.38		Pass
				25	21.71	2.65	24.36		Pass
				50	21.70	2.65	24.35		Pass
			100	0	21.72	2.65	24.37		Pass
		High	1	0	22.70	2.65	25.35		Pass
				50	22.45	2.65	25.10		Pass
				99	22.51	2.65	25.16		Pass
			50	0	21.76	2.65	24.41		Pass
				25	21.70	2.65	24.35		Pass
				50	21.55	2.65	24.20		Pass
			100	0	21.74	2.65	24.39		Pass
	16QAM	Low	1	0	22.23	2.65	24.88	30.00	Pass
				50	22.06	2.65	24.71		Pass
				99	22.22	2.65	24.87		Pass
			50	0	20.75	2.65	23.40		Pass
				25	20.82	2.65	23.47		Pass
				50	20.78	2.65	23.43		Pass
			100	0	20.87	2.65	23.52		Pass
		Mid	1	0	22.27	2.65	24.92		Pass
				50	22.08	2.65	24.73		Pass
				99	22.16	2.65	24.81		Pass
			50	0	20.88	2.65	23.53		Pass
				25	20.86	2.65	23.51		Pass
				50	20.85	2.65	23.50		Pass
			100	0	20.86	2.65	23.51		Pass
		High	1	0	22.30	2.65	24.95		Pass
				50	21.99	2.65	24.64		Pass
				99	22.08	2.65	24.73		Pass
			50	0	20.87	2.65	23.52		Pass
				25	20.86	2.65	23.51		Pass
				50	20.71	2.65	23.36		Pass
			100	0	20.85	2.65	23.50		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	21.05	2.65	23.70	30.00	Pass
				50	20.90	2.65	23.55		Pass
				99	21.06	2.65	23.71		Pass
			50	0	19.73	2.65	22.38		Pass
				25	19.91	2.65	22.56		Pass
				50	19.86	2.65	22.51		Pass
			100	0	19.82	2.65	22.47		Pass
				0	21.46	2.65	24.11		Pass
		Mid	1	50	21.34	2.65	23.99		Pass
				99	21.41	2.65	24.06		Pass
				0	19.85	2.65	22.50		Pass
			50	25	19.82	2.65	22.47		Pass
				50	19.83	2.65	22.48		Pass
				0	19.80	2.65	22.45		Pass
		High	1	0	21.03	2.65	23.68		Pass
				50	20.80	2.65	23.45		Pass
				99	20.85	2.65	23.50		Pass
			50	0	19.92	2.65	22.57		Pass
				25	19.86	2.65	22.51		Pass
				50	19.72	2.65	22.37		Pass
			100	0	19.80	2.65	22.45		Pass

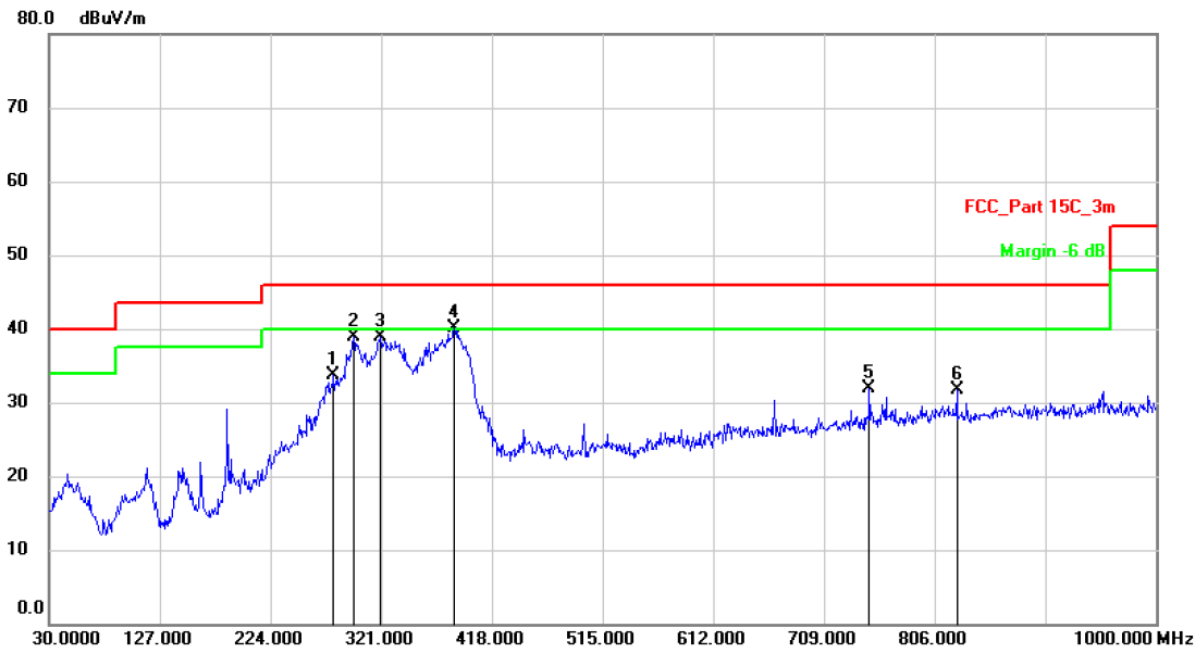
2. Field Strength of Spurious Radiation

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: 15:40:41



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		279.2900	40.95	-7.22	33.73	46.00	-12.27	QP	
2		296.7500	45.81	-6.87	38.94	46.00	-7.06	QP	
3		320.0300	45.05	-6.24	38.81	46.00	-7.19	QP	
4	*	385.0200	44.77	-4.75	40.02	46.00	-5.98	QP	
5		748.7700	29.81	2.03	31.84	46.00	-14.16	QP	
6		825.4000	28.42	3.19	31.61	46.00	-14.39	QP	

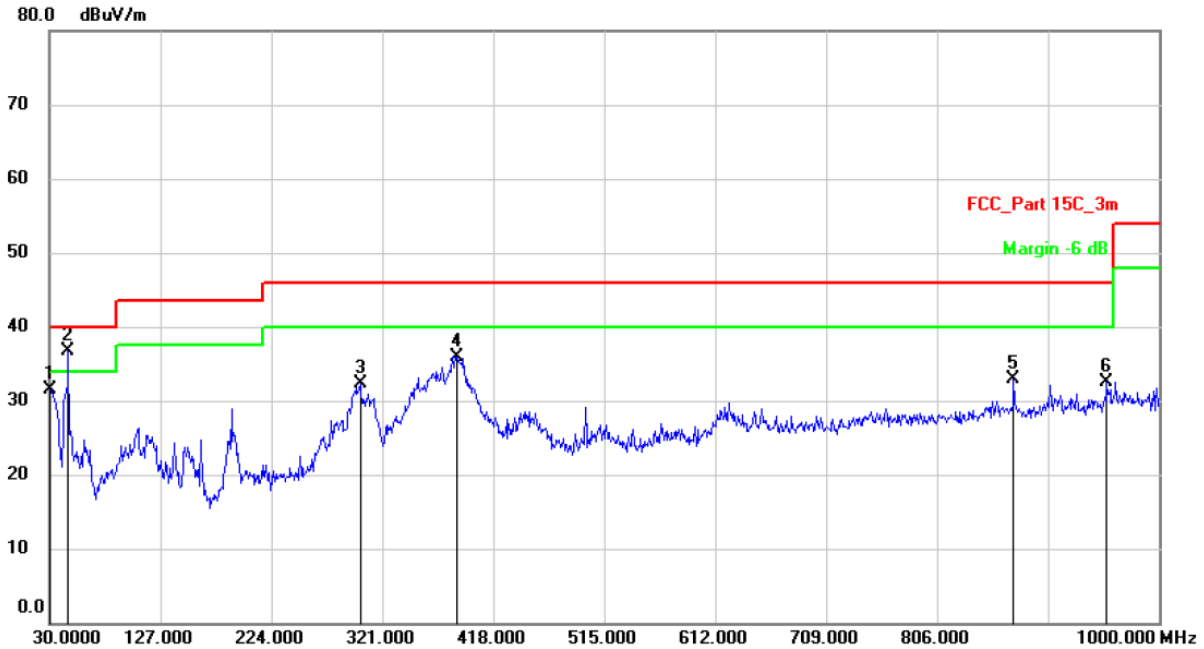
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

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: 15:47:55



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1		30.9700	41.96	-10.54	31.42	40.00	-8.58	QP	
2	*	46.4900	44.27	-7.51	36.76	40.00	-3.24	QP	
3		301.6000	38.97	-6.75	32.22	46.00	-13.78	QP	
4		385.9900	40.69	-4.72	35.97	46.00	-10.03	QP	
5		872.9300	29.16	3.80	32.96	46.00	-13.04	QP	
6		954.4100	28.35	4.24	32.59	46.00	-13.41	QP	

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

LTE Band 4 / 20M / QPSK					
Channel	Frequency (MHz)	Polarization (H/V)	Meas. Level (dBm)	Limit (dBm)	Margin (dBm)
Lowest	3440.000	H	-50.87	-13	-37.87
	5160.000	H	-47.01	-13	-34.01

	3440.000	V	-50.44	-13	-37.44
	5160.000	V	-47.27	-13	-34.27

Middle	3465.000	H	-50.40	-13	-37.40
	5197.500	H	-46.17	-13	-33.17

	3465.000	V	-50.90	-13	-37.90
	5197.500	V	-46.29	-13	-33.29

Highest	3490.000	H	-49.38	-13	-36.38
	5235.000	H	-46.25	-13	-33.25

	3490.000	V	-50.02	-13	-37.02
	5235.000	V	-45.90	-13	-32.90

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---