

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 7 : NR 3	Low	0	9 kHz to 150 kHz	-52.19	-51.06	-52.21	-53.70	-36.01	-15.05
			150 kHz to 30 MHz	-48.86	-48.47	-48.64	-48.81	-26.01	-22.46
			30 MHz to 858 MHz	-43.14	-43.30	-43.05	-43.05	-16.01	-27.04
			858 MHz to 868 MHz	-25.99	-25.85	-28.26	-23.06	-16.01	-7.05
			895 MHz to 1 GHz	-39.67	-39.84	-40.02	-40.45	-16.01	-23.66
			1 GHz to 10 GHz	-23.31	-23.13	-23.28	-23.52	-16.01	-7.12
		1	9 kHz to 150 kHz	-51.41	-51.39	-53.68	-49.96	-36.01	-13.95
			150 kHz to 30 MHz	-48.19	-48.27	-48.25	-47.98	-26.01	-21.97
			30 MHz to 858 MHz	-42.49	-42.82	-42.72	-42.68	-16.01	-26.48
			858 MHz to 868 MHz	-25.13	-24.34	-26.60	-24.16	-16.01	-8.15
			895 MHz to 1 GHz	-38.81	-38.31	-37.44	-39.24	-16.01	-21.43
			1 GHz to 10 GHz	-23.60	-23.48	-23.62	-23.90	-16.01	-7.47
	Middle	0	9 kHz to 150 kHz	-53.60	-53.29	-52.47	-51.34	-36.01	-15.33
			150 kHz to 30 MHz	-49.08	-48.67	-48.39	-49.05	-26.01	-22.37
			30 MHz to 858 MHz	-43.16	-42.84	-43.24	-43.14	-16.01	-26.83
			858 MHz to 868 MHz	-34.15	-33.07	-30.94	-33.96	-16.01	-14.93
			895 MHz to 1 GHz	-40.13	-39.83	-39.24	-40.50	-16.01	-23.23
			1 GHz to 10 GHz	-23.54	-23.00	-23.29	-23.23	-16.01	-6.99
		1	9 kHz to 150 kHz	-50.11	-52.16	-51.97	-49.89	-36.01	-13.88
			150 kHz to 30 MHz	-48.75	-48.11	-48.19	-48.56	-26.01	-22.10
			30 MHz to 858 MHz	-42.64	-42.87	-42.72	-42.70	-16.01	-26.63
			858 MHz to 868 MHz	-31.27	-32.20	-31.01	-30.50	-16.01	-14.48
			895 MHz to 1 GHz	-38.46	-37.80	-36.83	-37.39	-16.01	-20.82
			1 GHz to 10 GHz	-23.92	-23.77	-24.00	-23.80	-16.01	-7.76
	High	0	9 kHz to 150 kHz	-52.38	-50.97	-52.06	-50.94	-36.01	-14.93
			150 kHz to 30 MHz	-49.04	-48.85	-48.71	-49.29	-26.01	-22.70
			30 MHz to 858 MHz	-42.98	-42.81	-43.21	-42.92	-16.01	-26.80
			858 MHz to 868 MHz	-34.40	-34.71	-34.46	-33.98	-16.01	-17.97
			895 MHz to 1 GHz	-34.44	-35.67	-35.14	-33.05	-16.01	-17.04
			1 GHz to 10 GHz	-23.05	-23.24	-23.29	-23.10	-16.01	-7.04
		1	9 kHz to 150 kHz	-50.95	-50.96	-52.43	-50.23	-36.01	-14.22
			150 kHz to 30 MHz	-48.77	-48.50	-47.86	-48.49	-26.01	-21.85
			30 MHz to 858 MHz	-42.90	-42.71	-42.73	-42.80	-16.01	-26.69
			858 MHz to 868 MHz	-32.07	-30.44	-30.71	-29.55	-16.01	-13.54
			895 MHz to 1 GHz	-30.79	-30.76	-30.48	-28.79	-16.01	-12.77
			1 GHz to 10 GHz	-23.76	-23.87	-23.70	-23.82	-16.01	-7.69

Table 8-237. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(7:3 Ratio)_2T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 209 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 6 : NR 4	Low	0	9 kHz to 150 kHz	-49.91	-51.90	-50.50	-50.40	-36.01	-13.90
			150 kHz to 30 MHz	-49.27	-48.80	-48.77	-48.97	-26.01	-22.76
			30 MHz to 858 MHz	-43.06	-43.04	-43.15	-43.00	-16.01	-26.99
			858 MHz to 868 MHz	-26.27	-26.31	-27.59	-25.49	-16.01	-9.48
			895 MHz to 1 GHz	-39.33	-39.29	-40.10	-40.39	-16.01	-23.28
			1 GHz to 10 GHz	-23.46	-23.22	-23.20	-23.08	-16.01	-7.07
		1	9 kHz to 150 kHz	-49.89	-50.25	-50.34	-50.59	-36.01	-13.88
			150 kHz to 30 MHz	-48.73	-48.32	-48.09	-48.15	-26.01	-22.08
			30 MHz to 858 MHz	-42.72	-42.68	-42.71	-42.50	-16.01	-26.49
			858 MHz to 868 MHz	-24.75	-24.97	-26.32	-22.05	-16.01	-6.04
			895 MHz to 1 GHz	-38.42	-39.14	-38.13	-39.28	-16.01	-22.12
			1 GHz to 10 GHz	-23.84	-23.46	-23.45	-23.65	-16.01	-7.44
	Middle	0	9 kHz to 150 kHz	-50.13	-49.81	-50.64	-50.32	-36.01	-13.80
			150 kHz to 30 MHz	-49.06	-48.88	-48.11	-48.85	-26.01	-22.10
			30 MHz to 858 MHz	-43.08	-42.93	-43.16	-43.05	-16.01	-26.92
			858 MHz to 868 MHz	-33.42	-32.82	-32.79	-33.86	-16.01	-16.78
			895 MHz to 1 GHz	-39.32	-40.14	-39.27	-40.75	-16.01	-23.26
			1 GHz to 10 GHz	-23.21	-23.55	-23.11	-23.31	-16.01	-7.10
		1	9 kHz to 150 kHz	-48.46	-49.59	-51.78	-50.28	-36.01	-12.45
			150 kHz to 30 MHz	-48.76	-48.49	-47.78	-48.55	-26.01	-21.77
			30 MHz to 858 MHz	-42.67	-42.99	-42.95	-42.83	-16.01	-26.66
			858 MHz to 868 MHz	-32.11	-30.96	-30.08	-31.92	-16.01	-14.07
			895 MHz to 1 GHz	-38.88	-38.00	-36.81	-39.25	-16.01	-20.79
			1 GHz to 10 GHz	-23.64	-23.76	-23.48	-23.97	-16.01	-7.47
	High	0	9 kHz to 150 kHz	-50.03	-51.74	-51.53	-50.30	-36.01	-14.02
			150 kHz to 30 MHz	-49.23	-48.80	-49.11	-48.95	-26.01	-22.79
			30 MHz to 858 MHz	-43.15	-43.00	-43.15	-42.90	-16.01	-26.89
			858 MHz to 868 MHz	-34.68	-34.96	-33.53	-33.31	-16.01	-17.30
			895 MHz to 1 GHz	-34.15	-35.24	-35.63	-33.12	-16.01	-17.11
			1 GHz to 10 GHz	-23.07	-23.34	-23.62	-23.23	-16.01	-7.06
		1	9 kHz to 150 kHz	-48.90	-49.93	-51.15	-50.51	-36.01	-12.89
			150 kHz to 30 MHz	-48.53	-48.14	-48.37	-48.69	-26.01	-22.13
			30 MHz to 858 MHz	-42.72	-42.74	-42.76	-42.58	-16.01	-26.56
			858 MHz to 868 MHz	-31.96	-33.32	-31.99	-30.14	-16.01	-14.13
			895 MHz to 1 GHz	-31.78	-32.05	-30.68	-29.10	-16.01	-13.09
			1 GHz to 10 GHz	-23.73	-23.79	-23.93	-23.76	-16.01	-7.72

Table 8-238. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(6:4 Ratio)_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 210 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 5 : NR 5	Low	0	9 kHz to 150 kHz	-48.68	-48.86	-49.95	-47.82	-36.01	-11.81
			150 kHz to 30 MHz	-48.97	-48.60	-48.07	-48.75	-26.01	-22.05
			30 MHz to 858 MHz	-42.90	-43.05	-42.62	-43.06	-16.01	-26.60
			858 MHz to 868 MHz	-27.90	-26.50	-26.83	-25.60	-16.01	-9.59
			895 MHz to 1 GHz	-41.12	-40.31	-39.53	-39.46	-16.01	-23.45
			1 GHz to 10 GHz	-23.30	-23.27	-23.29	-23.43	-16.01	-7.26
		1	9 kHz to 150 kHz	-48.10	-48.45	-48.22	-48.26	-36.01	-12.09
			150 kHz to 30 MHz	-48.75	-48.60	-47.61	-48.58	-26.01	-21.60
			30 MHz to 858 MHz	-42.51	-42.85	-42.85	-42.51	-16.01	-26.50
			858 MHz to 868 MHz	-25.75	-25.38	-25.94	-21.80	-16.01	-5.79
			895 MHz to 1 GHz	-38.56	-39.59	-36.46	-39.29	-16.01	-20.45
			1 GHz to 10 GHz	-23.62	-23.57	-23.70	-23.66	-16.01	-7.55
	Middle	0	9 kHz to 150 kHz	-49.19	-48.88	-50.14	-47.67	-36.01	-11.66
			150 kHz to 30 MHz	-48.71	-48.42	-48.69	-48.80	-26.01	-22.41
			30 MHz to 858 MHz	-43.29	-42.83	-43.38	-42.96	-16.01	-26.82
			858 MHz to 868 MHz	-33.20	-33.69	-32.00	-34.82	-16.01	-15.99
			895 MHz to 1 GHz	-40.41	-40.03	-38.72	-40.28	-16.01	-22.71
			1 GHz to 10 GHz	-23.21	-23.38	-23.49	-23.34	-16.01	-7.20
		1	9 kHz to 150 kHz	-50.15	-47.80	-49.94	-48.80	-36.01	-11.79
			150 kHz to 30 MHz	-48.81	-48.18	-48.46	-48.34	-26.01	-22.16
			30 MHz to 858 MHz	-42.91	-42.90	-42.61	-42.94	-16.01	-26.60
			858 MHz to 868 MHz	-32.13	-31.52	-30.13	-31.07	-16.01	-14.12
			895 MHz to 1 GHz	-38.68	-38.23	-36.63	-37.69	-16.01	-20.62
			1 GHz to 10 GHz	-23.48	-23.19	-23.54	-23.57	-16.01	-7.18
	High	0	9 kHz to 150 kHz	-50.18	-52.94	-49.41	-48.44	-36.01	-12.43
			150 kHz to 30 MHz	-49.29	-48.87	-49.22	-48.77	-26.01	-22.76
			30 MHz to 858 MHz	-43.21	-43.15	-43.10	-43.32	-16.01	-27.09
			858 MHz to 868 MHz	-35.11	-33.68	-33.20	-33.73	-16.01	-17.18
			895 MHz to 1 GHz	-34.53	-33.77	-33.74	-32.52	-16.01	-16.51
			1 GHz to 10 GHz	-23.56	-23.20	-23.35	-23.49	-16.01	-7.19
		1	9 kHz to 150 kHz	-49.93	-47.44	-51.16	-48.86	-36.01	-11.43
			150 kHz to 30 MHz	-48.55	-48.24	-48.75	-47.88	-26.01	-21.87
			30 MHz to 858 MHz	-43.00	-42.79	-42.59	-42.82	-16.01	-26.58
			858 MHz to 868 MHz	-32.92	-30.47	-31.84	-29.36	-16.01	-13.35
			895 MHz to 1 GHz	-31.37	-31.33	-29.46	-29.71	-16.01	-13.45
			1 GHz to 10 GHz	-23.88	-23.46	-23.75	-23.80	-16.01	-7.45

Table 8-239. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(5:5 Ratio)_2T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 211 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 4 : NR 6	Low	0	9 kHz to 150 kHz	-47.32	-47.49	-47.69	-48.43	-36.01	-11.31
			150 kHz to 30 MHz	-49.09	-48.11	-48.82	-48.83	-26.01	-22.10
			30 MHz to 858 MHz	-43.12	-42.96	-42.80	-43.13	-16.01	-26.79
			858 MHz to 868 MHz	-27.69	-25.95	-26.81	-25.92	-16.01	-9.90
			895 MHz to 1 GHz	-40.44	-40.14	-39.79	-40.23	-16.01	-23.78
			1 GHz to 10 GHz	-23.40	-23.50	-23.43	-23.36	-16.01	-7.35
		1	9 kHz to 150 kHz	-46.89	-46.79	-48.24	-48.38	-36.01	-10.78
			150 kHz to 30 MHz	-48.05	-47.96	-48.51	-48.49	-26.01	-21.95
			30 MHz to 858 MHz	-42.96	-42.80	-42.82	-42.69	-16.01	-26.68
			858 MHz to 868 MHz	-25.98	-24.07	-24.42	-26.78	-16.01	-8.06
			895 MHz to 1 GHz	-39.49	-38.44	-37.39	-39.07	-16.01	-21.38
			1 GHz to 10 GHz	-23.83	-23.64	-23.59	-23.66	-16.01	-7.58
	Middle	0	9 kHz to 150 kHz	-48.95	-48.66	-48.79	-48.18	-36.01	-12.16
			150 kHz to 30 MHz	-48.63	-48.58	-48.31	-48.79	-26.01	-22.30
			30 MHz to 858 MHz	-43.18	-43.38	-43.10	-43.30	-16.01	-27.09
			858 MHz to 868 MHz	-33.62	-34.03	-31.72	-32.53	-16.01	-15.71
			895 MHz to 1 GHz	-39.63	-40.23	-39.85	-38.66	-16.01	-22.65
			1 GHz to 10 GHz	-23.57	-22.92	-23.65	-22.97	-16.01	-6.91
		1	9 kHz to 150 kHz	-48.82	-47.55	-48.56	-47.15	-36.01	-11.14
			150 kHz to 30 MHz	-48.10	-48.43	-48.09	-48.65	-26.01	-22.08
			30 MHz to 858 MHz	-42.76	-42.70	-42.95	-42.76	-16.01	-26.69
			858 MHz to 868 MHz	-32.26	-32.19	-30.27	-30.81	-16.01	-14.26
			895 MHz to 1 GHz	-38.84	-38.68	-37.07	-36.87	-16.01	-20.86
			1 GHz to 10 GHz	-23.76	-23.86	-23.77	-23.76	-16.01	-7.74
	High	0	9 kHz to 150 kHz	-47.75	-48.35	-47.60	-48.45	-36.01	-11.59
			150 kHz to 30 MHz	-48.95	-48.14	-48.85	-49.24	-26.01	-22.13
			30 MHz to 858 MHz	-43.17	-43.18	-43.14	-43.11	-16.01	-27.10
			858 MHz to 868 MHz	-35.08	-33.89	-33.07	-33.30	-16.01	-17.06
			895 MHz to 1 GHz	-33.97	-34.81	-31.10	-33.44	-16.01	-15.09
			1 GHz to 10 GHz	-23.04	-23.25	-23.24	-23.19	-16.01	-7.02
		1	9 kHz to 150 kHz	-48.27	-47.00	-47.79	-47.91	-36.01	-10.99
			150 kHz to 30 MHz	-48.37	-48.48	-48.34	-48.23	-26.01	-22.22
			30 MHz to 858 MHz	-42.78	-42.70	-42.84	-42.81	-16.01	-26.69
			858 MHz to 868 MHz	-33.00	-30.63	-31.97	-28.86	-16.01	-12.85
			895 MHz to 1 GHz	-31.46	-30.71	-29.32	-30.28	-16.01	-13.31
			1 GHz to 10 GHz	-23.76	-23.97	-23.75	-23.97	-16.01	-7.74

Table 8-240. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(4:6 Ratio)_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 212 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 3 : NR 7	Low	0	9 kHz to 150 kHz	-46.52	-47.54	-46.47	-48.70	-36.01	-10.46
			150 kHz to 30 MHz	-48.84	-48.64	-48.63	-48.63	-26.01	-22.62
			30 MHz to 858 MHz	-42.98	-42.96	-43.04	-42.75	-16.01	-26.74
			858 MHz to 868 MHz	-27.56	-26.55	-24.67	-25.41	-16.01	-8.66
			895 MHz to 1 GHz	-41.27	-40.13	-40.80	-40.70	-16.01	-24.12
			1 GHz to 10 GHz	-23.54	-23.59	-23.55	-23.34	-16.01	-7.33
		1	9 kHz to 150 kHz	-46.45	-47.72	-46.39	-46.93	-36.01	-10.38
			150 kHz to 30 MHz	-48.31	-48.10	-47.67	-48.21	-26.01	-21.66
			30 MHz to 858 MHz	-42.66	-42.74	-42.67	-42.82	-16.01	-26.65
			858 MHz to 868 MHz	-25.78	-24.59	-24.20	-25.68	-16.01	-8.19
			895 MHz to 1 GHz	-39.16	-39.06	-35.93	-40.05	-16.01	-19.92
			1 GHz to 10 GHz	-23.64	-23.63	-23.68	-23.90	-16.01	-7.62
	Middle	0	9 kHz to 150 kHz	-46.59	-47.73	-48.09	-46.89	-36.01	-10.58
			150 kHz to 30 MHz	-48.78	-48.35	-48.75	-48.33	-26.01	-22.32
			30 MHz to 858 MHz	-43.22	-43.29	-42.92	-43.16	-16.01	-26.91
			858 MHz to 868 MHz	-33.74	-33.94	-29.90	-32.79	-16.01	-13.89
			895 MHz to 1 GHz	-39.38	-40.53	-40.01	-39.82	-16.01	-23.37
			1 GHz to 10 GHz	-23.44	-23.44	-23.15	-23.53	-16.01	-7.14
		1	9 kHz to 150 kHz	-46.97	-45.70	-47.76	-46.71	-36.01	-9.68
			150 kHz to 30 MHz	-48.52	-47.80	-48.35	-48.33	-26.01	-21.79
			30 MHz to 858 MHz	-42.95	-42.87	-42.51	-42.63	-16.01	-26.49
			858 MHz to 868 MHz	-32.38	-32.00	-31.47	-30.37	-16.01	-14.36
			895 MHz to 1 GHz	-38.85	-38.63	-36.32	-37.63	-16.01	-20.31
			1 GHz to 10 GHz	-23.87	-23.76	-23.88	-23.72	-16.01	-7.71
	High	0	9 kHz to 150 kHz	-46.01	-47.74	-48.34	-47.54	-36.01	-10.00
			150 kHz to 30 MHz	-48.82	-48.15	-48.32	-49.00	-26.01	-22.14
			30 MHz to 858 MHz	-43.14	-43.12	-43.00	-43.11	-16.01	-26.99
			858 MHz to 868 MHz	-34.59	-33.82	-34.10	-33.69	-16.01	-17.68
			895 MHz to 1 GHz	-34.40	-34.75	-32.07	-33.26	-16.01	-16.05
			1 GHz to 10 GHz	-23.44	-23.56	-22.91	-22.94	-16.01	-6.90
		1	9 kHz to 150 kHz	-46.97	-45.65	-47.00	-47.99	-36.01	-9.64
			150 kHz to 30 MHz	-48.82	-48.23	-48.00	-48.73	-26.01	-21.99
			30 MHz to 858 MHz	-42.80	-42.95	-42.91	-42.74	-16.01	-26.73
			858 MHz to 868 MHz	-32.91	-30.20	-30.66	-28.64	-16.01	-12.63
			895 MHz to 1 GHz	-30.17	-30.82	-28.59	-28.65	-16.01	-12.58
			1 GHz to 10 GHz	-23.84	-23.76	-23.98	-23.33	-16.01	-7.32

Table 8-241. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(3:7 Ratio)_2T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 213 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 2 : NR 8	Low	0	9 kHz to 150 kHz	-45.73	-46.96	-46.48	-45.82	-36.01	-9.72
			150 kHz to 30 MHz	-48.54	-47.79	-48.84	-48.79	-26.01	-21.78
			30 MHz to 858 MHz	-43.03	-43.04	-42.90	-42.85	-16.01	-26.84
			858 MHz to 868 MHz	-27.72	-25.98	-25.63	-25.24	-16.01	-9.23
			895 MHz to 1 GHz	-41.00	-40.36	-39.61	-40.08	-16.01	-23.60
			1 GHz to 10 GHz	-23.43	-23.70	-23.40	-23.33	-16.01	-7.32
		1	9 kHz to 150 kHz	-45.47	-46.09	-46.08	-46.30	-36.01	-9.46
			150 kHz to 30 MHz	-48.30	-47.69	-48.47	-48.30	-26.01	-21.68
			30 MHz to 858 MHz	-42.71	-42.64	-42.77	-42.33	-16.01	-26.32
			858 MHz to 868 MHz	-25.54	-24.61	-23.73	-24.44	-16.01	-7.72
			895 MHz to 1 GHz	-40.23	-39.55	-38.70	-38.37	-16.01	-22.36
			1 GHz to 10 GHz	-23.78	-23.51	-23.79	-23.85	-16.01	-7.50
	Middle	0	9 kHz to 150 kHz	-45.91	-45.80	-46.10	-46.51	-36.01	-9.79
			150 kHz to 30 MHz	-48.92	-48.36	-48.49	-48.60	-26.01	-22.35
			30 MHz to 858 MHz	-43.23	-43.10	-43.15	-43.11	-16.01	-27.08
			858 MHz to 868 MHz	-33.54	-34.67	-30.48	-32.80	-16.01	-14.47
			895 MHz to 1 GHz	-39.57	-40.01	-39.59	-39.88	-16.01	-23.56
			1 GHz to 10 GHz	-22.95	-23.28	-22.89	-23.54	-16.01	-6.88
		1	9 kHz to 150 kHz	-45.74	-45.88	-45.92	-46.90	-36.01	-9.73
			150 kHz to 30 MHz	-48.35	-48.11	-48.67	-48.41	-26.01	-22.10
			30 MHz to 858 MHz	-43.00	-42.92	-42.60	-42.92	-16.01	-26.59
			858 MHz to 868 MHz	-32.14	-32.23	-29.59	-30.99	-16.01	-13.58
			895 MHz to 1 GHz	-38.76	-37.95	-36.31	-36.82	-16.01	-20.30
			1 GHz to 10 GHz	-23.59	-23.76	-24.03	-23.87	-16.01	-7.58
	High	0	9 kHz to 150 kHz	-46.27	-45.05	-46.19	-45.88	-36.01	-9.04
			150 kHz to 30 MHz	-48.82	-48.15	-48.62	-48.64	-26.01	-22.14
			30 MHz to 858 MHz	-42.81	-43.12	-42.77	-43.18	-16.01	-26.76
			858 MHz to 868 MHz	-33.40	-34.27	-33.84	-33.00	-16.01	-16.98
			895 MHz to 1 GHz	-34.88	-33.58	-30.88	-31.75	-16.01	-14.87
			1 GHz to 10 GHz	-23.56	-23.57	-23.36	-23.40	-16.01	-7.35
		1	9 kHz to 150 kHz	-45.59	-45.49	-47.00	-45.18	-36.01	-9.17
			150 kHz to 30 MHz	-48.52	-47.92	-47.61	-48.76	-26.01	-21.60
			30 MHz to 858 MHz	-42.85	-42.70	-42.64	-42.83	-16.01	-26.63
			858 MHz to 868 MHz	-32.70	-30.65	-30.07	-32.04	-16.01	-14.05
			895 MHz to 1 GHz	-30.18	-30.80	-29.13	-29.75	-16.01	-13.12
			1 GHz to 10 GHz	-23.48	-23.65	-23.80	-23.90	-16.01	-7.47

Table 8-242. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(2:8 Ratio)_2T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 214 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-56.96	-56.83	-36.01	-20.82
			150 kHz to 30 MHz	-51.49	-50.33	-26.01	-24.32
			30 MHz to 858 MHz	-41.41	-42.87	-16.01	-25.40
			858 MHz to 868 MHz	-30.50	-28.62	-16.01	-12.61
			895 MHz to 1 GHz	-37.93	-38.95	-16.01	-21.92
			1 GHz to 10 GHz	-23.46	-23.24	-16.01	-7.23
		1	9 kHz to 150 kHz	-58.62	-57.76	-36.01	-21.75
			150 kHz to 30 MHz	-50.88	-50.81	-26.01	-24.80
			30 MHz to 858 MHz	-42.48	-42.78	-16.01	-26.47
			858 MHz to 868 MHz	-25.04	-25.24	-16.01	-9.03
			895 MHz to 1 GHz	-34.93	-34.22	-16.01	-18.21
			1 GHz to 10 GHz	-23.79	-23.93	-16.01	-7.78
	Middle	0	9 kHz to 150 kHz	-56.61	-57.22	-36.01	-20.60
			150 kHz to 30 MHz	-51.51	-50.15	-26.01	-24.14
			30 MHz to 858 MHz	-42.55	-42.76	-16.01	-26.53
			858 MHz to 868 MHz	-29.15	-29.02	-16.01	-13.01
			895 MHz to 1 GHz	-34.82	-36.50	-16.01	-18.81
			1 GHz to 10 GHz	-23.24	-23.16	-16.01	-7.15
		1	9 kHz to 150 kHz	-58.49	-55.79	-36.01	-19.78
			150 kHz to 30 MHz	-50.64	-49.71	-26.01	-23.70
			30 MHz to 858 MHz	-42.65	-42.75	-16.01	-26.64
			858 MHz to 868 MHz	-26.54	-27.80	-16.01	-10.53
			895 MHz to 1 GHz	-34.51	-34.62	-16.01	-18.50
			1 GHz to 10 GHz	-23.59	-23.73	-16.01	-7.58
	High	0	9 kHz to 150 kHz	-58.26	-55.58	-36.01	-19.57
			150 kHz to 30 MHz	-51.83	-50.65	-26.01	-24.64
			30 MHz to 858 MHz	-43.13	-42.72	-16.01	-26.71
			858 MHz to 868 MHz	-28.70	-29.21	-16.01	-12.69
			895 MHz to 1 GHz	-33.89	-33.26	-16.01	-17.25
			1 GHz to 10 GHz	-23.29	-23.06	-16.01	-7.05
		1	9 kHz to 150 kHz	-53.71	-55.17	-36.01	-17.69
			150 kHz to 30 MHz	-51.29	-49.85	-26.01	-23.84
			30 MHz to 858 MHz	-42.76	-42.78	-16.01	-26.75
			858 MHz to 868 MHz	-27.47	-28.23	-16.01	-11.46
			895 MHz to 1 GHz	-30.73	-31.86	-16.01	-14.72
			1 GHz to 10 GHz	-23.81	-23.57	-16.01	-7.56

Table 8-243. Conducted Spurious Emission Summary Data (DSS B(n)5_2C_10M+10M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 215 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-57.93	-58.61	-58.99	-59.41	-36.01	-21.92
		150 kHz to 30 MHz	-50.92	-51.15	-51.37	-51.19	-26.01	-24.91
		30 MHz to 858 MHz	-49.57	-49.43	-49.42	-49.68	-16.01	-33.41
		858 MHz to 868 MHz	-29.52	-29.70	-28.86	-31.21	-16.01	-12.85
		895 MHz to 1 GHz	-44.68	-44.95	-46.48	-45.39	-16.01	-28.67
		1 GHz to 10 GHz	-22.79	-23.25	-23.32	-23.36	-16.01	-6.78
	1	9 kHz to 150 kHz	-58.35	-57.90	-59.40	-58.93	-36.01	-21.89
		150 kHz to 30 MHz	-50.89	-51.18	-50.87	-51.03	-26.01	-24.86
		30 MHz to 858 MHz	-48.89	-48.04	-49.07	-49.20	-16.01	-32.03
		858 MHz to 868 MHz	-28.20	-29.19	-26.68	-26.61	-16.01	-10.60
		895 MHz to 1 GHz	-41.57	-42.67	-41.86	-41.72	-16.01	-25.56
		1 GHz to 10 GHz	-23.73	-23.47	-23.61	-23.61	-16.01	-7.46
Middle	0	9 kHz to 150 kHz	-58.60	-58.29	-59.38	-59.88	-36.01	-22.28
		150 kHz to 30 MHz	-51.09	-51.16	-51.42	-51.38	-26.01	-25.08
		30 MHz to 858 MHz	-49.35	-49.83	-50.13	-48.93	-16.01	-32.92
		858 MHz to 868 MHz	-34.82	-36.25	-35.78	-36.13	-16.01	-18.81
		895 MHz to 1 GHz	-41.75	-42.16	-42.84	-44.03	-16.01	-25.74
		1 GHz to 10 GHz	-23.48	-23.38	-23.26	-23.45	-16.01	-7.25
	1	9 kHz to 150 kHz	-58.05	-58.34	-58.35	-59.16	-36.01	-22.04
		150 kHz to 30 MHz	-50.99	-50.82	-50.63	-51.37	-26.01	-24.62
		30 MHz to 858 MHz	-49.30	-48.88	-48.41	-49.19	-16.01	-32.40
		858 MHz to 868 MHz	-34.91	-35.19	-33.93	-33.93	-16.01	-17.92
		895 MHz to 1 GHz	-39.59	-40.86	-40.27	-39.50	-16.01	-23.49
		1 GHz to 10 GHz	-23.56	-23.90	-24.03	-23.90	-16.01	-7.55
High	0	9 kHz to 150 kHz	-58.56	-58.68	-58.58	-59.82	-36.01	-22.55
		150 kHz to 30 MHz	-51.13	-51.60	-51.04	-51.14	-26.01	-25.03
		30 MHz to 858 MHz	-48.18	-49.46	-49.77	-49.25	-16.01	-32.17
		858 MHz to 868 MHz	-37.56	-37.79	-38.31	-37.46	-16.01	-21.45
		895 MHz to 1 GHz	-38.22	-38.67	-33.70	-36.86	-16.01	-17.69
		1 GHz to 10 GHz	-23.32	-23.06	-23.56	-23.46	-16.01	-7.05
	1	9 kHz to 150 kHz	-58.90	-58.59	-58.81	-59.60	-36.01	-22.58
		150 kHz to 30 MHz	-50.99	-51.09	-50.85	-51.63	-26.01	-24.84
		30 MHz to 858 MHz	-48.58	-48.94	-48.78	-49.13	-16.01	-32.57
		858 MHz to 868 MHz	-35.65	-35.55	-35.34	-35.16	-16.01	-19.14
		895 MHz to 1 GHz	-34.35	-35.90	-31.96	-35.22	-16.01	-15.95
		1 GHz to 10 GHz	-23.50	-24.01	-23.79	-23.60	-16.01	-7.49

Table 8-244. Conducted Spurious Emission Summary Data (NR n5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 216 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-56.90	-56.07	-57.09	-56.48	-36.01	-20.06
		150 kHz to 30 MHz	-49.35	-48.18	-49.03	-49.45	-26.01	-22.17
		30 MHz to 858 MHz	-48.45	-48.83	-48.66	-48.30	-16.01	-32.29
		858 MHz to 868 MHz	-25.99	-25.97	-28.88	-28.48	-16.01	-9.96
		895 MHz to 1 GHz	-46.39	-43.93	-44.34	-44.18	-16.01	-27.92
		1 GHz to 10 GHz	-23.08	-23.01	-23.31	-23.45	-16.01	-7.00
	1	9 kHz to 150 kHz	-56.64	-56.01	-57.11	-56.59	-36.01	-20.00
		150 kHz to 30 MHz	-49.07	-48.32	-49.28	-48.99	-26.01	-22.30
		30 MHz to 858 MHz	-47.99	-48.45	-48.30	-48.06	-16.01	-31.98
		858 MHz to 868 MHz	-26.34	-25.84	-28.36	-28.10	-16.01	-9.83
		895 MHz to 1 GHz	-39.97	-40.14	-41.04	-41.33	-16.01	-23.95
		1 GHz to 10 GHz	-23.80	-23.73	-23.58	-23.85	-16.01	-7.57
Middle	0	9 kHz to 150 kHz	-57.28	-56.50	-57.12	-58.33	-36.01	-20.49
		150 kHz to 30 MHz	-48.90	-48.67	-49.34	-49.76	-26.01	-22.65
		30 MHz to 858 MHz	-48.62	-48.14	-48.22	-48.67	-16.01	-32.13
		858 MHz to 868 MHz	-35.22	-35.60	-35.33	-34.82	-16.01	-18.81
		895 MHz to 1 GHz	-43.03	-42.22	-42.81	-42.00	-16.01	-25.99
		1 GHz to 10 GHz	-23.37	-23.32	-23.01	-23.50	-16.01	-7.00
	1	9 kHz to 150 kHz	-56.87	-56.37	-56.60	-57.78	-36.01	-20.36
		150 kHz to 30 MHz	-49.07	-48.31	-48.90	-49.22	-26.01	-22.30
		30 MHz to 858 MHz	-47.30	-48.17	-47.95	-47.98	-16.01	-31.29
		858 MHz to 868 MHz	-34.48	-33.76	-33.81	-33.56	-16.01	-17.55
		895 MHz to 1 GHz	-41.40	-40.70	-39.52	-40.31	-16.01	-23.51
		1 GHz to 10 GHz	-23.66	-23.64	-23.94	-23.78	-16.01	-7.63
High	0	9 kHz to 150 kHz	-57.43	-56.38	-57.01	-58.20	-36.01	-20.37
		150 kHz to 30 MHz	-49.63	-48.31	-49.67	-49.77	-26.01	-22.30
		30 MHz to 858 MHz	-48.30	-48.50	-47.97	-48.29	-16.01	-31.96
		858 MHz to 868 MHz	-34.54	-36.06	-35.86	-36.12	-16.01	-18.53
		895 MHz to 1 GHz	-34.19	-34.39	-34.68	-33.19	-16.01	-17.18
		1 GHz to 10 GHz	-23.00	-23.14	-23.45	-22.94	-16.01	-6.93
	1	9 kHz to 150 kHz	-57.28	-56.61	-56.89	-57.53	-36.01	-20.60
		150 kHz to 30 MHz	-48.87	-48.36	-49.17	-49.14	-26.01	-22.35
		30 MHz to 858 MHz	-48.61	-48.14	-47.89	-48.26	-16.01	-31.88
		858 MHz to 868 MHz	-33.78	-34.42	-34.54	-34.11	-16.01	-17.77
		895 MHz to 1 GHz	-33.52	-34.01	-33.70	-34.64	-16.01	-17.51
		1 GHz to 10 GHz	-23.83	-23.79	-23.59	-23.84	-16.01	-7.58

Table 8-245. Conducted Spurious Emission Summary Data (NR_n5_1C_10M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 217 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-59.13	-57.23	-58.20	-58.74	-36.01	-21.21
		150 kHz to 30 MHz	-51.04	-50.47	-50.94	-50.49	-26.01	-24.46
		30 MHz to 858 MHz	-48.34	-46.83	-47.99	-49.04	-16.01	-30.82
		858 MHz to 868 MHz	-30.22	-30.95	-29.64	-29.82	-16.01	-13.63
		895 MHz to 1 GHz	-44.17	-41.58	-42.67	-42.30	-16.01	-25.57
		1 GHz to 10 GHz	-23.50	-23.32	-23.08	-23.34	-16.01	-7.07
	1	9 kHz to 150 kHz	-58.54	-57.32	-58.41	-58.91	-36.01	-21.31
		150 kHz to 30 MHz	-50.63	-49.81	-50.57	-50.50	-26.01	-23.80
		30 MHz to 858 MHz	-47.91	-47.66	-48.51	-48.67	-16.01	-31.65
		858 MHz to 868 MHz	-28.31	-28.82	-28.84	-28.36	-16.01	-12.30
		895 MHz to 1 GHz	-40.52	-40.06	-40.32	-40.21	-16.01	-24.05
		1 GHz to 10 GHz	-23.49	-23.62	-23.68	-23.83	-16.01	-7.47
Middle	0	9 kHz to 150 kHz	-59.20	-57.55	-57.96	-58.51	-36.01	-21.54
		150 kHz to 30 MHz	-50.98	-50.44	-51.12	-50.93	-26.01	-24.43
		30 MHz to 858 MHz	-49.12	-47.96	-48.24	-48.94	-16.01	-31.95
		858 MHz to 868 MHz	-33.64	-34.01	-33.66	-34.13	-16.01	-17.63
		895 MHz to 1 GHz	-40.56	-42.51	-40.99	-40.82	-16.01	-24.55
		1 GHz to 10 GHz	-23.24	-23.08	-23.53	-23.29	-16.01	-7.07
	1	9 kHz to 150 kHz	-58.44	-57.57	-58.28	-58.79	-36.01	-21.56
		150 kHz to 30 MHz	-50.92	-50.07	-50.46	-50.58	-26.01	-24.06
		30 MHz to 858 MHz	-48.30	-48.21	-48.06	-48.29	-16.01	-32.04
		858 MHz to 868 MHz	-31.15	-32.03	-31.83	-31.50	-16.01	-15.13
		895 MHz to 1 GHz	-37.83	-37.96	-37.86	-37.17	-16.01	-21.15
		1 GHz to 10 GHz	-23.67	-23.62	-23.09	-23.63	-16.01	-7.08
High	0	9 kHz to 150 kHz	-59.47	-57.77	-58.43	-58.96	-36.01	-21.75
		150 kHz to 30 MHz	-51.08	-50.47	-50.62	-50.90	-26.01	-24.46
		30 MHz to 858 MHz	-48.19	-48.61	-48.75	-48.04	-16.01	-32.03
		858 MHz to 868 MHz	-34.58	-34.22	-34.87	-34.94	-16.01	-18.21
		895 MHz to 1 GHz	-37.12	-39.78	-39.42	-39.73	-16.01	-21.11
		1 GHz to 10 GHz	-23.45	-23.60	-23.35	-23.25	-16.01	-7.24
	1	9 kHz to 150 kHz	-59.03	-57.59	-58.53	-58.91	-36.01	-21.58
		150 kHz to 30 MHz	-50.50	-49.77	-50.46	-50.21	-26.01	-23.76
		30 MHz to 858 MHz	-48.60	-48.48	-47.81	-47.97	-16.01	-31.80
		858 MHz to 868 MHz	-33.06	-31.15	-31.97	-32.22	-16.01	-15.14
		895 MHz to 1 GHz	-36.00	-34.84	-34.48	-34.41	-16.01	-18.40
		1 GHz to 10 GHz	-23.63	-23.84	-23.72	-23.75	-16.01	-7.62

Table 8-246. Conducted Spurious Emission Summary Data (NR n5_1C_15M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 218 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Low	0	9 kHz to 150 kHz	-56.92	-56.10	-36.01	-19.63
		150 kHz to 30 MHz	-48.58	-48.56	-26.01	-21.14
		30 MHz to 858 MHz	-48.35	-48.46	-16.01	-27.16
		858 MHz to 868 MHz	-27.80	-28.39	-16.01	-12.84
		895 MHz to 1 GHz	-44.61	-44.12	-16.01	-25.72
		1 GHz to 10 GHz	-23.13	-23.25	-16.01	-7.37
	1	9 kHz to 150 kHz	-56.51	-55.89	-36.01	-19.86
		150 kHz to 30 MHz	-47.90	-47.22	-26.01	-20.75
		30 MHz to 858 MHz	-47.68	-47.69	-16.01	-26.68
		858 MHz to 868 MHz	-26.72	-27.85	-16.01	-10.05
		895 MHz to 1 GHz	-40.35	-41.82	-16.01	-22.88
		1 GHz to 10 GHz	-23.50	-23.74	-16.01	-7.82
Middle	0	9 kHz to 150 kHz	-56.74	-56.20	-36.01	-20.23
		150 kHz to 30 MHz	-48.19	-48.35	-26.01	-21.39
		30 MHz to 858 MHz	-47.79	-48.31	-16.01	-26.89
		858 MHz to 868 MHz	-32.56	-33.35	-16.01	-15.37
		895 MHz to 1 GHz	-42.25	-42.82	-16.01	-24.78
		1 GHz to 10 GHz	-23.04	-23.26	-16.01	-7.31
	1	9 kHz to 150 kHz	-56.43	-55.58	-36.01	-18.41
		150 kHz to 30 MHz	-48.44	-47.48	-26.01	-22.10
		30 MHz to 858 MHz	-47.32	-48.15	-16.01	-26.66
		858 MHz to 868 MHz	-32.07	-32.22	-16.01	-16.60
		895 MHz to 1 GHz	-40.26	-41.70	-16.01	-21.91
		1 GHz to 10 GHz	-23.64	-23.65	-16.01	-7.88
High	0	9 kHz to 150 kHz	-57.01	-56.69	-36.01	-20.21
		150 kHz to 30 MHz	-48.94	-48.72	-26.01	-22.01
		30 MHz to 858 MHz	-48.86	-47.78	-16.01	-26.91
		858 MHz to 868 MHz	-35.12	-36.67	-16.01	-18.76
		895 MHz to 1 GHz	-36.41	-34.11	-16.01	-20.56
		1 GHz to 10 GHz	-23.59	-23.22	-16.01	-7.29
	1	9 kHz to 150 kHz	-56.44	-56.89	-36.01	-20.36
		150 kHz to 30 MHz	-49.08	-48.37	-26.01	-22.30
		30 MHz to 858 MHz	-47.91	-48.00	-16.01	-26.59
		858 MHz to 868 MHz	-33.34	-33.69	-16.01	-17.37
		895 MHz to 1 GHz	-33.93	-34.39	-16.01	-17.58
		1 GHz to 10 GHz	-23.85	-23.52	-16.01	-7.71

Table 8-247. Conducted Spurious Emission Summary Data (NR n5_2C_5M+5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 219 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-60.47	-60.29	-36.01	-24.28
		150 kHz to 30 MHz	-52.34	-51.77	-26.01	-25.76
		30 MHz to 858 MHz	-46.78	-42.20	-16.01	-26.19
		858 MHz to 868 MHz	-30.19	-29.17	-16.01	-13.16
		895 MHz to 1 GHz	-36.34	-36.47	-16.01	-20.33
		1 GHz to 10 GHz	-23.36	-23.23	-16.01	-7.22
	1	9 kHz to 150 kHz	-60.18	-59.39	-36.01	-23.38
		150 kHz to 30 MHz	-51.87	-51.76	-26.01	-25.75
		30 MHz to 858 MHz	-47.90	-42.53	-16.01	-26.52
		858 MHz to 868 MHz	-28.16	-27.69	-16.01	-11.68
		895 MHz to 1 GHz	-34.42	-33.05	-16.01	-17.04
		1 GHz to 10 GHz	-23.81	-23.52	-16.01	-7.51

Table 8-248. Conducted Spurious Emission Summary Data (NR n5_2C_10M+15M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-56.57	-36.01	-20.56
		150 kHz to 30 MHz	-48.46	-26.01	-22.45
		30 MHz to 858 MHz	-41.04	-16.01	-25.03
		858 MHz to 868 MHz	-25.49	-16.01	-9.48
		895 MHz to 1 GHz	-34.56	-16.01	-18.55
		1 GHz to 10 GHz	-23.28	-16.01	-7.27
	1	9 kHz to 150 kHz	-57.23	-36.01	-21.22
		150 kHz to 30 MHz	-47.96	-26.01	-21.95
		30 MHz to 858 MHz	-46.13	-16.01	-30.12
		858 MHz to 868 MHz	-23.99	-16.01	-7.98
		895 MHz to 1 GHz	-30.80	-16.01	-14.79
		1 GHz to 10 GHz	-23.36	-16.01	-7.35

Table 8-249. Conducted Spurious Emission Summary Data (NR n5_2NC_5M+5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 220 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-58.13	-57.09	-36.01	-21.08
			150 kHz to 30 MHz	-50.81	-50.47	-26.01	-24.46
			30 MHz to 858 MHz	-42.38	-42.56	-16.01	-26.37
			858 MHz to 868 MHz	-25.75	-28.96	-16.01	-9.74
			895 MHz to 1 GHz	-38.46	-38.80	-16.01	-22.45
			1 GHz to 10 GHz	-23.26	-23.50	-16.01	-7.25
		1	9 kHz to 150 kHz	-58.32	-57.63	-36.01	-21.62
			150 kHz to 30 MHz	-49.86	-50.24	-26.01	-23.85
			30 MHz to 858 MHz	-42.46	-42.54	-16.01	-26.45
			858 MHz to 868 MHz	-25.17	-27.58	-16.01	-9.16
			895 MHz to 1 GHz	-37.26	-38.69	-16.01	-21.25
			1 GHz to 10 GHz	-23.63	-23.68	-16.01	-7.62
	Middle	0	9 kHz to 150 kHz	-57.34	-56.11	-36.01	-20.10
			150 kHz to 30 MHz	-50.72	-50.62	-26.01	-24.61
			30 MHz to 858 MHz	-42.99	-43.13	-16.01	-26.98
			858 MHz to 868 MHz	-30.56	-31.77	-16.01	-14.55
			895 MHz to 1 GHz	-38.68	-37.19	-16.01	-21.18
			1 GHz to 10 GHz	-23.24	-23.46	-16.01	-7.23
		1	9 kHz to 150 kHz	-57.92	-57.00	-36.01	-20.99
			150 kHz to 30 MHz	-50.50	-50.61	-26.01	-24.49
			30 MHz to 858 MHz	-42.71	-42.72	-16.01	-26.70
			858 MHz to 868 MHz	-29.03	-30.64	-16.01	-13.02
			895 MHz to 1 GHz	-36.33	-34.57	-16.01	-18.56
			1 GHz to 10 GHz	-24.01	-23.81	-16.01	-7.79
	High	0	9 kHz to 150 kHz	-58.78	-57.29	-36.01	-21.28
			150 kHz to 30 MHz	-50.77	-50.62	-26.01	-24.61
			30 MHz to 858 MHz	-43.09	-42.77	-16.01	-26.76
			858 MHz to 868 MHz	-34.01	-33.97	-16.01	-17.96
			895 MHz to 1 GHz	-37.90	-36.05	-16.01	-20.03
			1 GHz to 10 GHz	-23.16	-23.31	-16.01	-7.15
		1	9 kHz to 150 kHz	-57.95	-57.52	-36.01	-21.51
			150 kHz to 30 MHz	-50.12	-50.28	-26.01	-24.11
			30 MHz to 858 MHz	-42.76	-42.51	-16.01	-26.50
			858 MHz to 868 MHz	-32.35	-31.21	-16.01	-15.20
			895 MHz to 1 GHz	-35.06	-32.98	-16.01	-16.97
			1 GHz to 10 GHz	-23.94	-23.80	-16.01	-7.79

Table 8-250. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 221 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-53.79	-53.83	-36.01	-17.78
			150 kHz to 30 MHz	-52.77	-51.61	-26.01	-25.60
			30 MHz to 858 MHz	-42.02	-42.37	-16.01	-26.01
			858 MHz to 868 MHz	-30.07	-28.06	-16.01	-12.05
			895 MHz to 1 GHz	-38.34	-35.86	-16.01	-19.85
			1 GHz to 10 GHz	-23.50	-23.50	-16.01	-7.49
		1	9 kHz to 150 kHz	-54.21	-55.40	-36.01	-18.20
			150 kHz to 30 MHz	-52.23	-52.14	-26.01	-26.13
			30 MHz to 858 MHz	-42.40	-42.54	-16.01	-26.39
			858 MHz to 868 MHz	-27.61	-27.73	-16.01	-11.60
			895 MHz to 1 GHz	-33.80	-33.68	-16.01	-17.67
			1 GHz to 10 GHz	-23.88	-23.61	-16.01	-7.60

Table 8-251. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_2C_10M+10M+LTE B5_1C_5M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-58.67	-36.01	-22.66
		150 kHz to 30 MHz	-51.15	-26.01	-25.14
		30 MHz to 858 MHz	-42.82	-16.01	-26.81
		858 MHz to 868 MHz	-27.39	-16.01	-11.37
		895 MHz to 1 GHz	-35.35	-16.01	-19.34
		1 GHz to 10 GHz	-23.42	-16.01	-7.41
	1	9 kHz to 150 kHz	-58.10	-36.01	-22.09
		150 kHz to 30 MHz	-50.60	-26.01	-24.59
		30 MHz to 858 MHz	-42.36	-16.01	-26.35
		858 MHz to 868 MHz	-24.94	-16.01	-8.93
		895 MHz to 1 GHz	-30.98	-16.01	-14.97
		1 GHz to 10 GHz	-23.79	-16.01	-7.78

Table 8-252. Conducted Spurious Emission Summary Data (MSR 2NC_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 222 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Low	0	9 kHz to 150 kHz	-57.53	-57.15	-36.01	-21.14
		150 kHz to 30 MHz	-48.97	-49.27	-26.01	-22.96
		30 MHz to 858 MHz	-42.89	-42.76	-16.01	-26.75
		858 MHz to 868 MHz	-27.35	-25.65	-16.01	-9.64
		895 MHz to 1 GHz	-39.27	-40.34	-16.01	-23.26
		1 GHz to 10 GHz	-23.49	-23.27	-16.01	-7.26
	1	9 kHz to 150 kHz	-55.97	-56.54	-36.01	-19.95
		150 kHz to 30 MHz	-48.21	-49.07	-26.01	-22.20
		30 MHz to 858 MHz	-42.54	-42.86	-16.01	-26.53
		858 MHz to 868 MHz	-26.10	-26.57	-16.01	-10.09
		895 MHz to 1 GHz	-38.99	-38.81	-16.01	-22.80
		1 GHz to 10 GHz	-23.81	-23.69	-16.01	-7.68
Middle	0	9 kHz to 150 kHz	-57.15	-56.91	-36.01	-20.90
		150 kHz to 30 MHz	-49.33	-49.03	-26.01	-23.01
		30 MHz to 858 MHz	-43.06	-43.05	-16.01	-27.04
		858 MHz to 868 MHz	-35.16	-34.98	-16.01	-18.97
		895 MHz to 1 GHz	-40.96	-40.65	-16.01	-24.64
		1 GHz to 10 GHz	-23.28	-23.20	-16.01	-7.19
	1	9 kHz to 150 kHz	-57.00	-57.04	-36.01	-20.99
		150 kHz to 30 MHz	-48.79	-48.48	-26.01	-22.46
		30 MHz to 858 MHz	-42.67	-42.89	-16.01	-26.66
		858 MHz to 868 MHz	-32.74	-31.99	-16.01	-15.98
		895 MHz to 1 GHz	-38.66	-37.42	-16.01	-21.41
		1 GHz to 10 GHz	-23.81	-23.59	-16.01	-7.58
High	0	9 kHz to 150 kHz	-55.68	-56.72	-36.01	-19.66
		150 kHz to 30 MHz	-49.09	-49.33	-26.01	-23.08
		30 MHz to 858 MHz	-43.18	-43.09	-16.01	-27.08
		858 MHz to 868 MHz	-34.36	-34.27	-16.01	-18.26
		895 MHz to 1 GHz	-37.75	-36.50	-16.01	-20.49
		1 GHz to 10 GHz	-23.50	-23.50	-16.01	-7.49
	1	9 kHz to 150 kHz	-55.86	-56.16	-36.01	-19.85
		150 kHz to 30 MHz	-48.96	-49.19	-26.01	-22.95
		30 MHz to 858 MHz	-42.59	-42.86	-16.01	-26.58
		858 MHz to 868 MHz	-33.62	-33.30	-16.01	-17.29
		895 MHz to 1 GHz	-34.95	-33.86	-16.01	-17.85
		1 GHz to 10 GHz	-23.96	-23.50	-16.01	-7.49

Table 8-253. Conducted Spurious Emission Summary Data (MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 223 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-60.52	-60.15	-36.01	-24.14
		150 kHz to 30 MHz	-52.76	-52.75	-26.01	-26.74
		30 MHz to 858 MHz	-42.84	-42.83	-16.01	-26.82
		858 MHz to 868 MHz	-30.31	-30.19	-16.01	-14.18
		895 MHz to 1 GHz	-37.58	-37.45	-16.01	-21.44
		1 GHz to 10 GHz	-23.48	-23.50	-16.01	-7.46
	1	9 kHz to 150 kHz	-60.14	-59.66	-36.01	-23.65
		150 kHz to 30 MHz	-52.23	-51.99	-26.01	-25.98
		30 MHz to 858 MHz	-42.83	-42.59	-16.01	-26.58
		858 MHz to 868 MHz	-27.53	-27.12	-16.01	-11.11
		895 MHz to 1 GHz	-32.96	-34.53	-16.01	-16.95
		1 GHz to 10 GHz	-23.63	-23.69	-16.01	-7.62

Table 8-254. Conducted Spurious Emission Summary Data (MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-56.51	-36.01	-20.50
		150 kHz to 30 MHz	-49.83	-26.01	-23.82
		30 MHz to 858 MHz	-42.79	-16.01	-26.78
		858 MHz to 868 MHz	-25.72	-16.01	-9.71
		895 MHz to 1 GHz	-35.71	-16.01	-19.70
		1 GHz to 10 GHz	-23.27	-16.01	-7.26
	1	9 kHz to 150 kHz	-56.67	-36.01	-20.66
		150 kHz to 30 MHz	-49.31	-26.01	-23.30
		30 MHz to 858 MHz	-42.57	-16.01	-26.56
		858 MHz to 868 MHz	-23.48	-16.01	-7.47
		895 MHz to 1 GHz	-32.32	-16.01	-16.31
		1 GHz to 10 GHz	-23.96	-16.01	-7.95

Table 8-255. Conducted Spurious Emission Summary Data (MSR 2NC_NR n5_1C_5M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 224 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-58.31	-56.67	-36.01	-20.66
			150 kHz to 30 MHz	-50.11	-50.19	-26.01	-24.10
			30 MHz to 858 MHz	-43.07	-43.18	-16.01	-27.05
			858 MHz to 868 MHz	-26.73	-28.81	-16.01	-10.72
			895 MHz to 1 GHz	-39.18	-40.26	-16.01	-23.17
			1 GHz to 10 GHz	-23.11	-23.22	-16.01	-7.10
		1	9 kHz to 150 kHz	-57.55	-56.67	-36.01	-20.66
			150 kHz to 30 MHz	-49.97	-49.70	-26.01	-23.69
			30 MHz to 858 MHz	-42.63	-42.73	-16.01	-26.62
			858 MHz to 868 MHz	-25.99	-27.29	-16.01	-9.98
			895 MHz to 1 GHz	-37.42	-38.71	-16.01	-21.41
			1 GHz to 10 GHz	-23.14	-23.82	-16.01	-7.13
	Middle	0	9 kHz to 150 kHz	-58.11	-56.67	-36.01	-20.66
			150 kHz to 30 MHz	-50.22	-50.46	-26.01	-24.21
			30 MHz to 858 MHz	-43.04	-43.03	-16.01	-27.02
			858 MHz to 868 MHz	-31.35	-32.92	-16.01	-15.34
			895 MHz to 1 GHz	-37.22	-40.12	-16.01	-21.21
			1 GHz to 10 GHz	-23.22	-23.39	-16.01	-7.20
		1	9 kHz to 150 kHz	-57.92	-56.44	-36.01	-20.43
			150 kHz to 30 MHz	-49.93	-50.18	-26.01	-23.91
			30 MHz to 858 MHz	-42.65	-42.58	-16.01	-26.57
			858 MHz to 868 MHz	-27.32	-30.19	-16.01	-11.31
			895 MHz to 1 GHz	-33.32	-36.73	-16.01	-17.31
			1 GHz to 10 GHz	-23.70	-23.42	-16.01	-7.41
	High	0	9 kHz to 150 kHz	-58.27	-57.11	-36.01	-21.10
			150 kHz to 30 MHz	-50.29	-50.49	-26.01	-24.28
			30 MHz to 858 MHz	-43.11	-43.10	-16.01	-27.09
			858 MHz to 868 MHz	-34.27	-34.77	-16.01	-18.26
			895 MHz to 1 GHz	-38.16	-38.67	-16.01	-22.15
			1 GHz to 10 GHz	-23.14	-23.22	-16.01	-7.13
		1	9 kHz to 150 kHz	-57.54	-57.21	-36.01	-21.20
			150 kHz to 30 MHz	-50.25	-50.21	-26.01	-24.20
			30 MHz to 858 MHz	-42.87	-42.90	-16.01	-26.86
			858 MHz to 868 MHz	-31.64	-33.10	-16.01	-15.63
			895 MHz to 1 GHz	-33.29	-35.47	-16.01	-17.28
			1 GHz to 10 GHz	-23.94	-23.95	-16.01	-7.93

Table 8-256. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 225 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-59.94	-58.94	-36.01	-22.93
			150 kHz to 30 MHz	-52.00	-51.59	-26.01	-25.58
			30 MHz to 858 MHz	-42.91	-42.93	-16.01	-26.90
			858 MHz to 868 MHz	-29.34	-27.02	-16.01	-11.01
			895 MHz to 1 GHz	-38.58	-36.56	-16.01	-20.55
			1 GHz to 10 GHz	-23.21	-23.08	-16.01	-7.07
		1	9 kHz to 150 kHz	-58.69	-58.00	-36.01	-21.99
			150 kHz to 30 MHz	-51.51	-51.48	-26.01	-25.47
			30 MHz to 858 MHz	-42.53	-42.38	-16.01	-26.37
			858 MHz to 868 MHz	-25.48	-26.09	-16.01	-9.47
			895 MHz to 1 GHz	-34.57	-33.62	-16.01	-17.61
			1 GHz to 10 GHz	-23.80	-23.91	-16.01	-7.79

Table 8-257. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-58.05	-36.01	-22.04
		150 kHz to 30 MHz	-50.76	-26.01	-24.75
		30 MHz to 858 MHz	-42.56	-16.01	-26.55
		858 MHz to 868 MHz	-28.12	-16.01	-12.10
		895 MHz to 1 GHz	-35.47	-16.01	-19.46
		1 GHz to 10 GHz	-23.28	-16.01	-7.27
	1	9 kHz to 150 kHz	-57.45	-36.01	-21.44
		150 kHz to 30 MHz	-49.65	-26.01	-23.64
		30 MHz to 858 MHz	-42.67	-16.01	-26.66
		858 MHz to 868 MHz	-25.53	-16.01	-9.52
		895 MHz to 1 GHz	-31.97	-16.01	-15.96
		1 GHz to 10 GHz	-23.61	-16.01	-7.60

Table 8-258. Conducted Spurious Emission Summary Data (MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 226 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-59.11	-58.04	-36.01	-22.03
			150 kHz to 30 MHz	-51.26	-51.51	-26.01	-25.25
			30 MHz to 858 MHz	-41.75	-42.81	-16.01	-25.74
			858 MHz to 868 MHz	-30.35	-30.68	-16.01	-14.33
			895 MHz to 1 GHz	-37.55	-39.21	-16.01	-21.54
			1 GHz to 10 GHz	-23.30	-23.33	-16.01	-7.28
		1	9 kHz to 150 kHz	-59.05	-56.94	-36.01	-20.93
			150 kHz to 30 MHz	-50.75	-51.16	-26.01	-24.74
			30 MHz to 858 MHz	-42.59	-42.59	-16.01	-26.58
			858 MHz to 868 MHz	-27.63	-28.20	-16.01	-11.62
			895 MHz to 1 GHz	-35.29	-35.66	-16.01	-19.28
			1 GHz to 10 GHz	-23.79	-23.73	-16.01	-7.72
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-58.01	-58.32	-36.01	-22.00
			150 kHz to 30 MHz	-51.29	-51.29	-26.01	-25.28
			30 MHz to 858 MHz	-42.86	-42.77	-16.01	-26.76
			858 MHz to 868 MHz	-29.59	-30.78	-16.01	-13.58
			895 MHz to 1 GHz	-37.99	-37.55	-16.01	-21.54
			1 GHz to 10 GHz	-22.79	-22.55	-16.01	-6.54
		1	9 kHz to 150 kHz	-58.69	-57.68	-36.01	-21.67
			150 kHz to 30 MHz	-50.97	-51.35	-26.01	-24.96
			30 MHz to 858 MHz	-42.44	-42.78	-16.01	-26.43
			858 MHz to 868 MHz	-27.48	-28.75	-16.01	-11.47
			895 MHz to 1 GHz	-35.11	-35.37	-16.01	-19.10
			1 GHz to 10 GHz	-23.65	-23.62	-16.01	-7.61
LTE 9 : NR 1	High	0	9 kHz to 150 kHz	-59.19	-57.60	-36.01	-21.59
			150 kHz to 30 MHz	-51.22	-51.21	-26.01	-25.20
			30 MHz to 858 MHz	-42.95	-42.94	-16.01	-26.93
			858 MHz to 868 MHz	-31.73	-31.92	-16.01	-15.72
			895 MHz to 1 GHz	-34.70	-35.23	-16.01	-18.69
			1 GHz to 10 GHz	-23.44	-23.20	-16.01	-7.19
		1	9 kHz to 150 kHz	-59.15	-58.46	-36.01	-22.45
			150 kHz to 30 MHz	-51.38	-51.06	-26.01	-25.05
			30 MHz to 858 MHz	-42.61	-42.68	-16.01	-26.60
			858 MHz to 868 MHz	-29.43	-29.78	-16.01	-13.41
			895 MHz to 1 GHz	-34.95	-33.21	-16.01	-17.20
			1 GHz to 10 GHz	-23.78	-23.70	-16.01	-7.69

Table 8-259. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 227 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-60.25	-59.16	-36.01	-23.15
			150 kHz to 30 MHz	-52.23	-52.25	-26.01	-26.22
			30 MHz to 858 MHz	-40.18	-43.14	-16.01	-24.17
			858 MHz to 868 MHz	-27.41	-28.91	-16.01	-11.40
			895 MHz to 1 GHz	-34.87	-36.33	-16.01	-18.86
			1 GHz to 10 GHz	-23.48	-23.38	-16.01	-7.37
		1	9 kHz to 150 kHz	-60.22	-59.52	-36.01	-23.51
			150 kHz to 30 MHz	-51.81	-51.97	-26.01	-25.80
			30 MHz to 858 MHz	-42.86	-42.53	-16.01	-26.52
			858 MHz to 868 MHz	-26.80	-28.06	-16.01	-10.79
			895 MHz to 1 GHz	-32.57	-33.90	-16.01	-16.56
			1 GHz to 10 GHz	-23.85	-23.30	-16.01	-7.28

Table 8-260. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE B5_1C_5M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-58.90	-36.01	-22.89
		150 kHz to 30 MHz	-51.29	-26.01	-25.28
		30 MHz to 858 MHz	-41.22	-16.01	-25.21
		858 MHz to 868 MHz	-28.23	-16.01	-12.22
		895 MHz to 1 GHz	-34.88	-16.01	-18.87
		1 GHz to 10 GHz	-23.39	-16.01	-7.38
	1	9 kHz to 150 kHz	-59.60	-36.01	-23.58
		150 kHz to 30 MHz	-51.62	-26.01	-25.61
		30 MHz to 858 MHz	-42.77	-16.01	-26.76
		858 MHz to 868 MHz	-25.47	-16.01	-9.46
		895 MHz to 1 GHz	-33.17	-16.01	-17.16
		1 GHz to 10 GHz	-23.91	-16.01	-7.89

Table 8-261. Conducted Spurious Emission Summary Data (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 228 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-54.46	-53.96	-55.13	-54.36	-36.01	-17.95
		150 kHz to 30 MHz	-46.59	-45.76	-46.96	-46.50	-26.01	-19.75
		30 MHz to 735 MHz	-42.76	-42.83	-42.36	-42.86	-16.01	-26.35
		735 MHz to 745.9 MHz	-26.89	-26.88	-28.50	-27.50	-16.01	-10.87
		756.1 MHz to 1 GHz	-35.39	-35.17	-34.87	-35.24	-16.01	-18.86
		1 GHz to 10 GHz	-29.28	-28.99	-29.18	-29.49	-16.01	-12.98
	1	9 kHz to 150 kHz	-54.43	-53.42	-54.71	-54.64	-36.01	-17.41
		150 kHz to 30 MHz	-46.85	-46.30	-46.02	-46.59	-26.01	-20.01
		30 MHz to 735 MHz	-42.36	-42.13	-42.42	-42.41	-16.01	-26.12
		735 MHz to 745.9 MHz	-27.57	-28.63	-28.52	-27.25	-16.01	-11.24
		756.1 MHz to 1 GHz	-34.17	-34.31	-35.17	-35.21	-16.01	-18.16
		1 GHz to 10 GHz	-30.35	-30.05	-30.06	-30.04	-16.01	-14.03
Middle	0	9 kHz to 150 kHz	-55.05	-53.75	-55.06	-54.23	-36.01	-17.74
		150 kHz to 30 MHz	-46.80	-46.33	-46.48	-45.84	-26.01	-19.83
		30 MHz to 735 MHz	-42.84	-42.78	-42.57	-42.42	-16.01	-26.41
		735 MHz to 745.9 MHz	-32.24	-33.22	-33.38	-32.26	-16.01	-16.23
		756.1 MHz to 1 GHz	-30.34	-32.11	-33.13	-31.75	-16.01	-14.33
		1 GHz to 10 GHz	-29.55	-29.47	-29.43	-29.43	-16.01	-13.42
	1	9 kHz to 150 kHz	-54.85	-53.62	-54.64	-54.66	-36.01	-17.61
		150 kHz to 30 MHz	-46.25	-46.36	-46.50	-46.47	-26.01	-20.24
		30 MHz to 735 MHz	-42.26	-42.43	-42.02	-42.22	-16.01	-26.01
		735 MHz to 745.9 MHz	-32.94	-32.53	-33.45	-31.89	-16.01	-15.88
		756.1 MHz to 1 GHz	-33.40	-33.31	-34.05	-34.08	-16.01	-17.30
		1 GHz to 10 GHz	-30.31	-30.37	-30.39	-30.14	-16.01	-14.13
High	0	9 kHz to 150 kHz	-54.55	-53.72	-54.82	-54.22	-36.01	-17.71
		150 kHz to 30 MHz	-46.96	-45.69	-46.20	-46.38	-26.01	-19.68
		30 MHz to 735 MHz	-42.28	-42.83	-42.78	-42.69	-16.01	-26.27
		735 MHz to 745.9 MHz	-35.41	-34.28	-35.09	-35.01	-16.01	-18.27
		756.1 MHz to 1 GHz	-21.34	-22.09	-23.18	-21.58	-16.01	-5.33
		1 GHz to 10 GHz	-29.63	-29.64	-29.34	-29.31	-16.01	-13.30
	1	9 kHz to 150 kHz	-54.50	-53.55	-55.01	-54.02	-36.01	-17.54
		150 kHz to 30 MHz	-46.67	-46.16	-46.49	-46.04	-26.01	-20.03
		30 MHz to 735 MHz	-42.30	-42.16	-42.22	-42.49	-16.01	-26.15
		735 MHz to 745.9 MHz	-33.93	-34.44	-35.48	-35.12	-16.01	-17.92
		756.1 MHz to 1 GHz	-21.10	-22.16	-20.93	-19.94	-16.01	-3.93
		1 GHz to 10 GHz	-29.83	-30.08	-29.85	-30.35	-16.01	-13.82

Table 8-262. Conducted Spurious Emission Summary Data (LTE B13_1C_5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 229 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-50.86	-52.36	-52.24	-52.81	-36.01	-14.85
		150 kHz to 30 MHz	-44.41	-44.18	-43.94	-44.56	-26.01	-17.93
		30 MHz to 735 MHz	-42.63	-42.45	-42.65	-42.71	-16.01	-26.44
		735 MHz to 745.9 MHz	-26.35	-26.22	-25.73	-25.66	-16.01	-9.65
		756.1 MHz to 1 GHz	-24.38	-24.46	-24.01	-24.61	-16.01	-8.00
		1 GHz to 10 GHz	-29.41	-29.53	-29.17	-29.17	-16.01	-13.16
	1	9 kHz to 150 kHz	-51.35	-50.93	-52.19	-52.09	-36.01	-14.92
		150 kHz to 30 MHz	-43.70	-44.25	-43.86	-43.70	-26.01	-17.69
		30 MHz to 735 MHz	-42.15	-41.60	-42.13	-42.04	-16.01	-25.59
		735 MHz to 745.9 MHz	-26.65	-26.72	-25.56	-25.86	-16.01	-9.55
		756.1 MHz to 1 GHz	-24.15	-25.15	-24.20	-24.02	-16.01	-8.01
		1 GHz to 10 GHz	-30.14	-29.85	-29.79	-30.23	-16.01	-13.78

Table 8-263. Conducted Spurious Emission Summary Data (LTE B13_1C_10M_2T)

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-51.49	-51.16	-36.01	-15.15
		150 kHz to 30 MHz	-43.47	-42.10	-26.01	-16.09
		30 MHz to 735 MHz	-42.16	-42.63	-16.01	-26.15
		735 MHz to 745.9 MHz	-25.17	-25.41	-16.01	-9.16
		756.1 MHz to 1 GHz	-18.97	-20.32	-16.01	-2.96
		1 GHz to 10 GHz	-29.41	-29.26	-16.01	-13.25
	1	9 kHz to 150 kHz	-51.67	-50.18	-36.01	-14.17
		150 kHz to 30 MHz	-43.53	-42.08	-26.01	-16.07
		30 MHz to 735 MHz	-42.14	-42.07	-16.01	-26.06
		735 MHz to 745.9 MHz	-25.88	-26.29	-16.01	-9.87
		756.1 MHz to 1 GHz	-20.85	-22.13	-16.01	-4.84
		1 GHz to 10 GHz	-30.10	-30.18	-16.01	-14.09

Table 8-264. Conducted Spurious Emission Summary Data (LTE B13_2C_5M+5M_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 230 of 394

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Low	0	9 kHz to 150 kHz	-54.03	-36.01	-18.02
		150 kHz to 30 MHz	-46.72	-26.01	-20.71
		30 MHz to 735 MHz	-41.98	-16.01	-25.97
		735 MHz to 745.9 MHz	-26.71	-16.01	-10.70
		756.1 MHz to 1 GHz	-32.53	-16.01	-16.52
		1 GHz to 10 GHz	-29.73	-16.01	-13.72
	1	9 kHz to 150 kHz	-54.32	-36.01	-18.31
		150 kHz to 30 MHz	-46.34	-26.01	-20.33
		30 MHz to 735 MHz	-41.98	-16.01	-25.97
		735 MHz to 745.9 MHz	-25.57	-16.01	-9.56
		756.1 MHz to 1 GHz	-32.95	-16.01	-16.94
		1 GHz to 10 GHz	-30.06	-16.01	-14.05
Middle	0	9 kHz to 150 kHz	-54.06	-36.01	-18.05
		150 kHz to 30 MHz	-46.54	-26.01	-20.53
		30 MHz to 735 MHz	-42.07	-16.01	-26.06
		735 MHz to 745.9 MHz	-33.26	-16.01	-17.25
		756.1 MHz to 1 GHz	-31.43	-16.01	-15.42
		1 GHz to 10 GHz	-29.61	-16.01	-13.60
	1	9 kHz to 150 kHz	-53.38	-36.01	-17.37
		150 kHz to 30 MHz	-46.29	-26.01	-20.28
		30 MHz to 735 MHz	-42.08	-16.01	-26.07
		735 MHz to 745.9 MHz	-32.29	-16.01	-16.28
		756.1 MHz to 1 GHz	-31.62	-16.01	-15.61
		1 GHz to 10 GHz	-29.88	-16.01	-13.87
High	0	9 kHz to 150 kHz	-53.94	-36.01	-17.93
		150 kHz to 30 MHz	-45.97	-26.01	-19.96
		30 MHz to 735 MHz	-42.32	-16.01	-26.31
		735 MHz to 745.9 MHz	-34.29	-16.01	-18.28
		756.1 MHz to 1 GHz	-20.26	-16.01	-4.25
		1 GHz to 10 GHz	-29.40	-16.01	-13.39
	1	9 kHz to 150 kHz	-54.09	-36.01	-18.08
		150 kHz to 30 MHz	-46.08	-26.01	-20.07
		30 MHz to 735 MHz	-42.03	-16.01	-26.02
		735 MHz to 745.9 MHz	-34.32	-16.01	-18.31
		756.1 MHz to 1 GHz	-20.18	-16.01	-4.17
		1 GHz to 10 GHz	-30.36	-16.01	-14.35

Table 8-265. Conducted Spurious Emission Summary Data (LTE B13 1C_5M+NB-IoT(1IB)_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 231 of 394	

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 10M 1C + NB-IoT 2 Guard-Band	Middle	0	9 kHz to 150 kHz	-46.73	-36.01	-10.72
			150 kHz to 30 MHz	-34.73	-26.01	-8.72
			30 MHz to 735 MHz	-41.91	-16.01	-25.90
			735 MHz to 745.9 MHz	-23.67	-16.01	-7.66
			756.1 MHz to 1 GHz	-19.29	-16.01	-3.28
			1 GHz to 10 GHz	-29.62	-16.01	-13.61
		1	9 kHz to 150 kHz	-47.22	-36.01	-11.21
			150 kHz to 30 MHz	-34.83	-26.01	-8.82
			30 MHz to 735 MHz	-41.91	-16.01	-25.90
			735 MHz to 745.9 MHz	-22.88	-16.01	-6.87
			756.1 MHz to 1 GHz	-19.52	-16.01	-3.51
			1 GHz to 10 GHz	-30.05	-16.01	-14.04
LTE 10M 1C + NB-IoT 1 Guard-Band 1 In-Band	Middle	0	9 kHz to 150 kHz	-46.81	-36.01	-10.80
			150 kHz to 30 MHz	-41.41	-26.01	-15.40
			30 MHz to 735 MHz	-41.78	-16.01	-25.77
			735 MHz to 745.9 MHz	-25.36	-16.01	-9.35
			756.1 MHz to 1 GHz	-24.61	-16.01	-8.60
			1 GHz to 10 GHz	-29.59	-16.01	-13.58
		1	9 kHz to 150 kHz	-46.28	-36.01	-10.27
			150 kHz to 30 MHz	-42.60	-26.01	-16.59
			30 MHz to 735 MHz	-41.94	-16.01	-25.93
			735 MHz to 745.9 MHz	-25.58	-16.01	-9.57
			756.1 MHz to 1 GHz	-24.32	-16.01	-8.31
			1 GHz to 10 GHz	-30.57	-16.01	-14.56
LTE 10M 1C + NB-IoT 1 In-Band 1 Guard-Band	Middle	0	9 kHz to 150 kHz	-47.52	-36.01	-11.51
			150 kHz to 30 MHz	-41.12	-26.01	-15.11
			30 MHz to 735 MHz	-41.82	-16.01	-25.81
			735 MHz to 745.9 MHz	-27.04	-16.01	-11.03
			756.1 MHz to 1 GHz	-20.51	-16.01	-4.50
			1 GHz to 10 GHz	-29.52	-16.01	-13.51
		1	9 kHz to 150 kHz	-47.08	-36.01	-11.07
			150 kHz to 30 MHz	-42.83	-26.01	-16.82
			30 MHz to 735 MHz	-42.01	-16.01	-26.00
			735 MHz to 745.9 MHz	-25.97	-16.01	-9.96
			756.1 MHz to 1 GHz	-19.73	-16.01	-3.72
			1 GHz to 10 GHz	-30.44	-16.01	-14.43

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 232 of 394	

LTE 10M 1C + NB-IoT 2 In-Band	Middle	0	9 kHz to 150 kHz	-49.21	-36.01	-13.20
			150 kHz to 30 MHz	-40.04	-26.01	-14.03
			30 MHz to 735 MHz	-42.07	-16.01	-26.06
			735 MHz to 745.9 MHz	-26.16	-16.01	-10.15
			756.1 MHz to 1 GHz	-24.02	-16.01	-8.01
			1 GHz to 10 GHz	-29.71	-16.01	-13.70
		1	9 kHz to 150 kHz	-48.46	-36.01	-12.45
			150 kHz to 30 MHz	-40.16	-26.01	-14.15
			30 MHz to 735 MHz	-41.74	-16.01	-25.73
			735 MHz to 745.9 MHz	-25.96	-16.01	-9.95
			756.1 MHz to 1 GHz	-22.91	-16.01	-6.90
			1 GHz to 10 GHz	-30.27	-16.01	-14.26

Table 8-266. Conducted Spurious Emission Summary Data (LTE B13_1C_10M+NB-IoT_2T)

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
B13 LTE 10M 1C+ NB-IoT 2 Guard-Band + B5 LTE 10M 1C	Middle + Low	0	9 kHz to 150 kHz	-45.12	-36.01	-9.11
			150 kHz to 30 MHz	-35.16	-26.01	-9.15
			30 MHz to 735 MHz	-41.22	-16.01	-25.21
			735 MHz to 745.9 MHz	-25.46	-16.01	-9.45
			756.1 MHz to 868 MHz	-21.27	-16.01	-5.26
			895 MHz to 1 GHz	-38.01	-16.01	-22.00
			1 GHz to 10 GHz	-23.34	-16.01	-7.33
		1	9 kHz to 150 kHz	-45.63	-36.01	-9.62
			150 kHz to 30 MHz	-34.58	-26.01	-8.57
			30 MHz to 735 MHz	-41.23	-16.01	-25.22
			735 MHz to 745.9 MHz	-24.86	-16.01	-8.85
			756.1 MHz to 868 MHz	-19.52	-16.01	-3.51
			895 MHz to 1 GHz	-34.47	-16.01	-18.46
			1 GHz to 10 GHz	-24.21	-16.01	-8.20
B13 LTE 5M+5M 2C+ NB-IoT 2 Guard-Band + B5 LTE 5M+10M+10M 3C	Middle + Middle	0	9 kHz to 150 kHz	-50.24	-36.01	-14.23
			150 kHz to 30 MHz	-40.38	-26.01	-14.37
			30 MHz to 735 MHz	-39.73	-16.01	-23.72
			735 MHz to 745.9 MHz	-24.81	-16.01	-8.80
			756.1 MHz to 868 MHz	-19.78	-16.01	-3.77
			895 MHz to 1 GHz	-35.35	-16.01	-19.34
			1 GHz to 10 GHz	-23.47	-16.01	-7.46
		1	9 kHz to 150 kHz	-49.85	-36.01	-13.84
			150 kHz to 30 MHz	-40.80	-26.01	-14.79
			30 MHz to 735 MHz	-38.69	-16.01	-22.68
			735 MHz to 745.9 MHz	-25.31	-16.01	-9.30
			756.1 MHz to 868 MHz	-20.53	-16.01	-4.52
			895 MHz to 1 GHz	-33.99	-16.01	-17.98
			1 GHz to 10 GHz	-24.07	-16.01	-8.06

Table 8-267. Conducted Spurious Emission Summary Data (Multi-Band_B13+B5)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 233 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1 559 MHz to 1 610 MHz	-63.05	-62.97	-62.98	-63.03	-53.01	-9.96
	1	1 559 MHz to 1 610 MHz	-62.58	-62.93	-63.09	-63.02	-53.01	-9.57
Middle	0	1 559 MHz to 1 610 MHz	-62.87	-63.01	-63.00	-63.00	-53.01	-9.86
	1	1 559 MHz to 1 610 MHz	-62.89	-62.67	-62.64	-62.79	-53.01	-9.63
High	0	1 559 MHz to 1 610 MHz	-62.99	-62.76	-62.60	-63.14	-53.01	-9.59
	1	1 559 MHz to 1 610 MHz	-63.00	-62.74	-62.81	-62.95	-53.01	-9.73

Table 8-268. Conducted Spurious Emission Summary Data (LTE B13_1C_5M_2T)

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	1 559 MHz to 1 610 MHz	-62.94	-62.64	-63.01	-63.03	-53.01	-9.63
	1	1 559 MHz to 1 610 MHz	-62.76	-62.86	-62.88	-62.92	-53.01	-9.75

Table 8-269. Conducted Spurious Emission Summary Data (LTE B13_1C_10M_2T)

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	1 559 MHz to 1 610 MHz	-62.98	-62.99	-53.01	-9.97
	1	1 559 MHz to 1 610 MHz	-63.14	-62.99	-53.01	-9.98

Table 8-270. Conducted Spurious Emission Summary Data (LTE B13_2C_5M+5M_2T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Low	0	1 559 MHz to 1 610 MHz	-63.02	-53.01	-10.01
	1	1 559 MHz to 1 610 MHz	-63.15	-53.01	-10.14
Middle	0	1 559 MHz to 1 610 MHz	-62.79	-53.01	-9.78
	1	1 559 MHz to 1 610 MHz	-62.77	-53.01	-9.76
High	0	1 559 MHz to 1 610 MHz	-63.16	-53.01	-10.15
	1	1 559 MHz to 1 610 MHz	-62.97	-53.01	-9.96

Table 8-271. Conducted Spurious Emission Summary Data (LTE B13_1C_5M+NB-IoT_In-Bnad_2T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 234 of 394	

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 10M 1C + NB-IoT 2 Guard-Band	Middle	0	1 559 MHz to 1 610 MHz	-63.12	-53.01	-10.11
		1	1 559 MHz to 1 610 MHz	-62.93	-53.01	-9.92
LTE 10M 1C + NB-IoT 1 Guard-Band 1 In-Band	Middle	0	1 559 MHz to 1 610 MHz	-63.04	-53.01	-10.03
		1	1 559 MHz to 1 610 MHz	-62.85	-53.01	-9.84
LTE 10M 1C + NB-IoT 1 In-Band 1 Guard-Band	Middle	0	1 559 MHz to 1 610 MHz	-62.73	-53.01	-9.72
		1	1 559 MHz to 1 610 MHz	-62.92	-53.01	-9.91
LTE 10M 1C + NB-IoT 2 In-Band	Middle	0	1 559 MHz to 1 610 MHz	-62.96	-53.01	-9.95
		1	1 559 MHz to 1 610 MHz	-63.05	-53.01	-10.04

Table 8-272. Conducted Spurious Emission Summary Data (LTE B13_1C_10M+NB-IoT_2T)

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
B13 LTE 10M 1C+ NB-IoT 2 Guard-Band + B5 LTE 10M 1C	Middle + Low	0	1 559 MHz to 1 610 MHz	-63.58	-53.01	-10.57
		1	1 559 MHz to 1 610 MHz	-63.73	-53.01	-10.72
B13 LTE 5M+5M 2C+ + B5 LTE 5M+10M+10M 3C	Middle + Middle	0	1 559 MHz to 1 610 MHz	-63.83	-53.01	-10.82
		1	1 559 MHz to 1 610 MHz	-63.55	-53.01	-10.54

Table 8-273. Conducted Spurious Emission Summary Data (Multi-Band _B13+B5)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 235 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-43.98	-45.02	-44.47	-45.04	-39.02	-4.96
		150 kHz to 30 MHz	-42.99	-42.89	-42.69	-42.41	-29.02	-13.39
		30 MHz to 858 MHz	-41.54	-41.39	-41.59	-41.26	-19.02	-22.24
		858 MHz to 868 MHz	-30.06	-29.84	-28.25	-30.32	-19.02	-9.23
		895 MHz to 1 GHz	-40.23	-40.88	-40.54	-41.60	-19.02	-21.21
		1 GHz to 10 GHz	-29.33	-28.99	-28.40	-28.82	-19.02	-9.38
	1	9 kHz to 150 kHz	-45.11	-45.26	-45.34	-44.59	-39.02	-5.57
		150 kHz to 30 MHz	-42.20	-43.15	-43.20	-42.83	-29.02	-13.18
		30 MHz to 858 MHz	-41.59	-41.56	-41.73	-41.65	-19.02	-22.54
		858 MHz to 868 MHz	-29.39	-27.43	-27.81	-30.16	-19.02	-8.41
		895 MHz to 1 GHz	-39.94	-40.17	-41.02	-40.18	-19.02	-20.92
		1 GHz to 10 GHz	-29.64	-29.25	-29.57	-29.58	-19.02	-10.23
	2	9 kHz to 150 kHz	-44.53	-45.10	-45.05	-44.58	-39.02	-5.51
		150 kHz to 30 MHz	-42.89	-42.65	-42.61	-42.81	-29.02	-13.59
		30 MHz to 858 MHz	-41.85	-41.67	-41.89	-41.67	-19.02	-22.65
		858 MHz to 868 MHz	-34.37	-31.86	-31.97	-32.92	-19.02	-12.84
		895 MHz to 1 GHz	-42.30	-42.40	-42.05	-42.29	-19.02	-23.03
		1 GHz to 10 GHz	-30.52	-30.60	-29.78	-29.88	-19.02	-10.76
	3	9 kHz to 150 kHz	-44.88	-44.44	-44.43	-43.84	-39.02	-4.82
		150 kHz to 30 MHz	-42.13	-42.48	-42.33	-42.69	-29.02	-13.11
		30 MHz to 858 MHz	-41.14	-41.26	-41.29	-41.39	-19.02	-22.12
		858 MHz to 868 MHz	-35.22	-31.38	-32.05	-32.56	-19.02	-12.36
		895 MHz to 1 GHz	-41.42	-41.06	-41.57	-41.52	-19.02	-22.04
		1 GHz to 10 GHz	-29.11	-29.40	-28.85	-28.84	-19.02	-9.82
Middle	0	9 kHz to 150 kHz	-44.57	-44.87	-44.91	-44.93	-39.02	-5.55
		150 kHz to 30 MHz	-43.14	-42.83	-42.81	-43.10	-29.02	-13.79
		30 MHz to 858 MHz	-41.62	-41.72	-41.60	-41.67	-19.02	-22.58
		858 MHz to 868 MHz	-34.62	-34.62	-34.32	-34.62	-19.02	-15.30
		895 MHz to 1 GHz	-40.05	-40.37	-40.48	-40.26	-19.02	-21.03
		1 GHz to 10 GHz	-28.83	-28.49	-28.60	-27.91	-19.02	-8.89
	1	9 kHz to 150 kHz	-44.83	-44.59	-45.49	-44.57	-39.02	-5.55
		150 kHz to 30 MHz	-42.82	-42.73	-42.37	-42.94	-29.02	-13.35
		30 MHz to 858 MHz	-41.60	-41.36	-41.77	-41.37	-19.02	-22.34
		858 MHz to 868 MHz	-34.79	-35.03	-34.70	-33.83	-19.02	-14.81
		895 MHz to 1 GHz	-38.75	-38.89	-39.45	-38.68	-19.02	-19.66
		1 GHz to 10 GHz	-29.45	-29.33	-29.70	-29.32	-19.02	-10.30
	2	9 kHz to 150 kHz	-45.23	-44.85	-44.59	-45.05	-39.02	-5.57

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 236 of 394

		150 kHz to 30 MHz	-42.90	-42.85	-42.89	-42.92	-29.02	-13.83
		30 MHz to 858 MHz	-41.71	-41.66	-41.59	-41.67	-19.02	-22.57
		858 MHz to 868 MHz	-39.40	-39.30	-39.26	-39.09	-19.02	-20.07
		895 MHz to 1 GHz	-41.33	-41.73	-42.19	-42.26	-19.02	-22.31
		1 GHz to 10 GHz	-30.04	-29.40	-29.81	-30.43	-19.02	-10.38
	3	9 kHz to 150 kHz	-44.31	-44.31	-44.12	-44.17	-39.02	-5.10
		150 kHz to 30 MHz	-42.79	-42.92	-42.38	-42.56	-29.02	-13.36
		30 MHz to 858 MHz	-41.47	-41.31	-41.37	-41.29	-19.02	-22.27
		858 MHz to 868 MHz	-37.87	-37.96	-37.78	-37.51	-19.02	-18.49
		895 MHz to 1 GHz	-40.86	-40.79	-40.27	-40.63	-19.02	-21.25
		1 GHz to 10 GHz	-29.94	-28.82	-28.70	-29.13	-19.02	-9.68
High	0	9 kHz to 150 kHz	-45.08	-44.89	-44.24	-45.53	-39.02	-5.22
		150 kHz to 30 MHz	-42.83	-43.03	-43.11	-42.99	-29.02	-13.81
		30 MHz to 858 MHz	-41.68	-41.69	-41.71	-41.76	-19.02	-22.66
		858 MHz to 868 MHz	-35.45	-35.63	-35.03	-34.92	-19.02	-15.90
		895 MHz to 1 GHz	-37.15	-38.78	-34.34	-35.75	-19.02	-15.32
		1 GHz to 10 GHz	-27.95	-28.45	-28.44	-28.24	-19.02	-8.93
	1	9 kHz to 150 kHz	-45.14	-45.34	-44.95	-44.21	-39.02	-5.19
		150 kHz to 30 MHz	-42.55	-42.55	-42.30	-43.09	-29.02	-13.28
		30 MHz to 858 MHz	-41.63	-41.73	-41.46	-41.79	-19.02	-22.44
		858 MHz to 868 MHz	-36.00	-36.05	-35.43	-35.63	-19.02	-16.41
		895 MHz to 1 GHz	-35.39	-35.92	-33.62	-32.33	-19.02	-13.31
		1 GHz to 10 GHz	-28.84	-29.53	-29.37	-29.59	-19.02	-9.82
	2	9 kHz to 150 kHz	-44.80	-44.52	-44.75	-45.17	-39.02	-5.50
		150 kHz to 30 MHz	-42.32	-42.66	-42.87	-42.96	-29.02	-13.30
		30 MHz to 858 MHz	-41.87	-41.82	-41.80	-41.91	-19.02	-22.78
		858 MHz to 868 MHz	-39.21	-38.96	-39.20	-38.65	-19.02	-19.63
		895 MHz to 1 GHz	-35.60	-37.95	-36.03	-35.87	-19.02	-16.58
		1 GHz to 10 GHz	-30.28	-30.86	-29.87	-30.04	-19.02	-10.85
	3	9 kHz to 150 kHz	-43.83	-45.10	-44.84	-44.73	-39.02	-4.81
		150 kHz to 30 MHz	-42.83	-42.57	-43.08	-42.22	-29.02	-13.20
		30 MHz to 858 MHz	-41.26	-40.84	-41.26	-41.31	-19.02	-21.82
		858 MHz to 868 MHz	-37.77	-37.98	-37.96	-37.92	-19.02	-18.75
		895 MHz to 1 GHz	-36.47	-37.04	-34.87	-34.57	-19.02	-15.55
		1 GHz to 10 GHz	-28.76	-29.66	-28.70	-29.56	-19.02	-9.68

Table 8-274. Conducted Spurious Emission Summary Data (LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 237 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-44.91	-44.89	-44.54	-44.07	-39.02	-5.05
		150 kHz to 30 MHz	-43.22	-42.83	-42.65	-43.26	-29.02	-13.63
		30 MHz to 858 MHz	-41.06	-41.43	-41.39	-41.29	-19.02	-22.04
		858 MHz to 868 MHz	-32.58	-29.05	-30.78	-31.87	-19.02	-10.03
		895 MHz to 1 GHz	-39.78	-40.14	-39.53	-39.61	-19.02	-20.51
		1 GHz to 10 GHz	-28.77	-28.55	-29.06	-28.17	-19.02	-9.15
	1	9 kHz to 150 kHz	-44.75	-43.94	-44.45	-44.50	-39.02	-4.92
		150 kHz to 30 MHz	-43.30	-42.46	-42.67	-42.78	-29.02	-13.44
		30 MHz to 858 MHz	-41.68	-41.46	-41.46	-41.61	-19.02	-22.44
		858 MHz to 868 MHz	-30.59	-28.69	-30.36	-30.03	-19.02	-9.67
		895 MHz to 1 GHz	-39.51	-38.59	-39.99	-39.74	-19.02	-19.57
		1 GHz to 10 GHz	-29.75	-29.22	-29.44	-28.62	-19.02	-9.60
	2	9 kHz to 150 kHz	-44.19	-44.19	-43.93	-44.06	-39.02	-4.91
		150 kHz to 30 MHz	-42.87	-41.66	-42.32	-42.33	-29.02	-12.64
		30 MHz to 858 MHz	-41.57	-41.45	-41.68	-41.60	-19.02	-22.43
		858 MHz to 868 MHz	-30.83	-31.17	-31.18	-30.51	-19.02	-11.49
		895 MHz to 1 GHz	-41.96	-40.27	-40.37	-41.42	-19.02	-21.25
		1 GHz to 10 GHz	-30.32	-29.98	-30.85	-30.35	-19.02	-10.96
	3	9 kHz to 150 kHz	-44.66	-44.28	-44.55	-44.65	-39.02	-5.26
		150 kHz to 30 MHz	-42.45	-41.66	-42.15	-41.82	-29.02	-12.64
		30 MHz to 858 MHz	-41.16	-40.91	-41.06	-41.05	-19.02	-21.89
		858 MHz to 868 MHz	-32.35	-32.09	-31.79	-31.67	-19.02	-12.65
		895 MHz to 1 GHz	-39.68	-40.57	-40.60	-40.59	-19.02	-20.66
		1 GHz to 10 GHz	-29.35	-29.49	-29.83	-29.17	-19.02	-10.15
Middle	0	9 kHz to 150 kHz	-44.71	-44.78	-44.87	-45.16	-39.02	-5.69
		150 kHz to 30 MHz	-42.79	-42.41	-42.57	-42.71	-29.02	-13.39
		30 MHz to 858 MHz	-41.31	-41.33	-41.43	-41.31	-19.02	-22.29
		858 MHz to 868 MHz	-34.13	-34.08	-33.47	-34.02	-19.02	-14.45
		895 MHz to 1 GHz	-39.71	-40.04	-40.61	-40.20	-19.02	-20.69
		1 GHz to 10 GHz	-28.38	-28.18	-28.90	-23.12	-19.02	-4.10
	1	9 kHz to 150 kHz	-44.85	-45.40	-44.16	-45.07	-39.02	-5.14
		150 kHz to 30 MHz	-42.20	-42.22	-42.47	-42.89	-29.02	-13.18
		30 MHz to 858 MHz	-41.40	-41.58	-41.39	-41.53	-19.02	-22.37
		858 MHz to 868 MHz	-34.39	-34.12	-35.06	-33.49	-19.02	-14.47
		895 MHz to 1 GHz	-39.24	-38.50	-39.38	-39.41	-19.02	-19.48
		1 GHz to 10 GHz	-29.60	-29.93	-29.45	-23.51	-19.02	-4.49

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 238 of 394

	2	9 kHz to 150 kHz	-44.43	-44.78	-44.78	-44.74	-39.02	-5.41
		150 kHz to 30 MHz	-42.62	-42.68	-42.33	-42.70	-29.02	-13.31
		30 MHz to 858 MHz	-41.71	-41.53	-41.76	-41.67	-19.02	-22.51
		858 MHz to 868 MHz	-35.12	-36.29	-36.44	-36.54	-19.02	-16.10
		895 MHz to 1 GHz	-39.44	-40.33	-40.38	-39.87	-19.02	-20.42
		1 GHz to 10 GHz	-30.31	-30.56	-29.69	-24.72	-19.02	-5.70
	3	9 kHz to 150 kHz	-43.92	-44.81	-44.81	-45.01	-39.02	-4.90
		150 kHz to 30 MHz	-41.89	-42.53	-43.07	-42.64	-29.02	-12.87
		30 MHz to 858 MHz	-41.15	-41.23	-41.09	-41.35	-19.02	-22.07
		858 MHz to 868 MHz	-35.33	-35.78	-36.38	-37.09	-19.02	-16.31
		895 MHz to 1 GHz	-38.29	-38.12	-40.27	-39.83	-19.02	-19.10
		1 GHz to 10 GHz	-29.66	-28.44	-28.43	-23.80	-19.02	-4.78
High	0	9 kHz to 150 kHz	-44.09	-44.65	-44.83	-44.29	-39.02	-5.07
		150 kHz to 30 MHz	-42.54	-42.53	-42.57	-42.32	-29.02	-13.30
		30 MHz to 858 MHz	-41.24	-41.35	-41.43	-41.44	-19.02	-22.22
		858 MHz to 868 MHz	-32.89	-34.28	-34.23	-35.04	-19.02	-13.87
		895 MHz to 1 GHz	-37.76	-36.10	-36.82	-37.78	-19.02	-17.08
		1 GHz to 10 GHz	-29.23	-28.77	-28.69	-28.99	-19.02	-9.67
	1	9 kHz to 150 kHz	-44.24	-44.57	-45.04	-44.86	-39.02	-5.22
		150 kHz to 30 MHz	-41.99	-42.28	-43.20	-42.37	-29.02	-12.97
		30 MHz to 858 MHz	-41.57	-41.48	-41.46	-41.49	-19.02	-22.44
		858 MHz to 868 MHz	-34.62	-35.61	-35.18	-33.90	-19.02	-14.88
		895 MHz to 1 GHz	-36.15	-35.89	-35.97	-36.88	-19.02	-16.87
		1 GHz to 10 GHz	-29.08	-29.48	-29.03	-29.55	-19.02	-10.01
	2	9 kHz to 150 kHz	-44.74	-44.58	-45.08	-45.00	-39.02	-5.56
		150 kHz to 30 MHz	-42.63	-42.92	-43.41	-41.88	-29.02	-12.86
		30 MHz to 858 MHz	-41.66	-41.47	-41.65	-41.56	-19.02	-22.45
		858 MHz to 868 MHz	-38.07	-37.66	-37.22	-36.89	-19.02	-17.87
		895 MHz to 1 GHz	-35.57	-34.46	-35.84	-35.74	-19.02	-15.44
		1 GHz to 10 GHz	-30.06	-30.42	-30.37	-30.08	-19.02	-11.04
	3	9 kHz to 150 kHz	-44.36	-44.14	-44.50	-43.86	-39.02	-4.84
		150 kHz to 30 MHz	-42.46	-42.80	-42.26	-42.46	-29.02	-13.24
		30 MHz to 858 MHz	-41.29	-41.13	-41.16	-40.91	-19.02	-21.89
		858 MHz to 868 MHz	-36.51	-36.95	-36.48	-36.34	-19.02	-17.32
		895 MHz to 1 GHz	-35.37	-34.72	-35.56	-35.85	-19.02	-15.70
		1 GHz to 10 GHz	-29.66	-28.67	-29.41	-29.57	-19.02	-9.65

Table 8-275. Conducted Spurious Emission Summary Data (LTE B5_1C_10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 239 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Low	0	9 kHz to 150 kHz	-44.39	-45.26	-39.02	-5.24
		150 kHz to 30 MHz	-42.91	-42.66	-29.02	-13.62
		30 MHz to 858 MHz	-41.41	-41.30	-19.02	-22.13
		858 MHz to 868 MHz	-31.77	-30.41	-19.02	-9.04
		895 MHz to 1 GHz	-39.86	-40.73	-19.02	-20.84
		1 GHz to 10 GHz	-28.04	-28.44	-19.02	-9.02
	1	9 kHz to 150 kHz	-45.07	-44.85	-39.02	-5.75
		150 kHz to 30 MHz	-42.49	-42.87	-29.02	-13.47
		30 MHz to 858 MHz	-41.57	-41.45	-19.02	-22.33
		858 MHz to 868 MHz	-30.23	-29.42	-19.02	-9.94
		895 MHz to 1 GHz	-39.29	-38.96	-19.02	-19.94
		1 GHz to 10 GHz	-29.62	-29.63	-19.02	-10.60
	2	9 kHz to 150 kHz	-43.91	-44.75	-39.02	-4.89
		150 kHz to 30 MHz	-42.39	-42.83	-29.02	-12.81
		30 MHz to 858 MHz	-41.32	-41.62	-19.02	-22.06
		858 MHz to 868 MHz	-29.75	-29.02	-19.02	-9.32
		895 MHz to 1 GHz	-40.63	-40.84	-19.02	-20.67
		1 GHz to 10 GHz	-29.90	-30.24	-19.02	-10.88
	3	9 kHz to 150 kHz	-44.83	-44.72	-39.02	-5.25
		150 kHz to 30 MHz	-42.35	-41.85	-29.02	-12.80
		30 MHz to 858 MHz	-41.10	-41.11	-19.02	-22.03
		858 MHz to 868 MHz	-30.39	-31.52	-19.02	-10.86
		895 MHz to 1 GHz	-39.59	-40.87	-19.02	-20.57
		1 GHz to 10 GHz	-28.22	-28.99	-19.02	-9.20
Middle	0	9 kHz to 150 kHz	-45.52	-44.41	-39.02	-5.39
		150 kHz to 30 MHz	-42.72	-41.89	-29.02	-12.87
		30 MHz to 858 MHz	-41.23	-41.17	-19.02	-22.15
		858 MHz to 868 MHz	-32.74	-33.22	-19.02	-12.96
		895 MHz to 1 GHz	-39.90	-39.98	-19.02	-20.62
		1 GHz to 10 GHz	-28.06	-28.13	-19.02	-9.04
	1	9 kHz to 150 kHz	-44.99	-43.60	-39.02	-4.58
		150 kHz to 30 MHz	-42.31	-43.14	-29.02	-13.29
		30 MHz to 858 MHz	-41.30	-41.39	-19.02	-22.24
		858 MHz to 868 MHz	-30.55	-31.46	-19.02	-11.53
		895 MHz to 1 GHz	-37.22	-38.06	-19.02	-18.20
		1 GHz to 10 GHz	-29.35	-29.29	-19.02	-10.27

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 240 of 394

	2	9 kHz to 150 kHz	-44.60	-44.42	-39.02	-5.39
		150 kHz to 30 MHz	-42.03	-42.94	-29.02	-13.01
		30 MHz to 858 MHz	-41.53	-41.56	-19.02	-22.51
		858 MHz to 868 MHz	-34.02	-34.08	-19.02	-14.03
		895 MHz to 1 GHz	-41.62	-40.89	-19.02	-19.95
		1 GHz to 10 GHz	-29.59	-30.43	-19.02	-10.57
	3	9 kHz to 150 kHz	-44.79	-44.39	-39.02	-5.10
		150 kHz to 30 MHz	-42.50	-42.04	-29.02	-12.65
		30 MHz to 858 MHz	-41.18	-40.89	-19.02	-21.87
		858 MHz to 868 MHz	-33.16	-33.16	-19.02	-14.14
		895 MHz to 1 GHz	-40.15	-39.73	-19.02	-20.56
		1 GHz to 10 GHz	-28.95	-28.51	-19.02	-9.49
High	0	9 kHz to 150 kHz	-45.21	-44.44	-39.02	-5.25
		150 kHz to 30 MHz	-42.83	-43.63	-29.02	-13.49
		30 MHz to 858 MHz	-41.14	-41.43	-19.02	-22.12
		858 MHz to 868 MHz	-33.43	-34.60	-19.02	-14.41
		895 MHz to 1 GHz	-36.50	-35.02	-19.02	-16.00
		1 GHz to 10 GHz	-27.85	-28.48	-19.02	-8.83
	1	9 kHz to 150 kHz	-44.78	-44.55	-39.02	-5.19
		150 kHz to 30 MHz	-42.83	-42.58	-29.02	-13.52
		30 MHz to 858 MHz	-41.45	-41.40	-19.02	-22.38
		858 MHz to 868 MHz	-33.59	-34.06	-19.02	-14.11
		895 MHz to 1 GHz	-31.64	-35.52	-19.02	-12.62
		1 GHz to 10 GHz	-29.26	-28.89	-19.02	-9.87
	2	9 kHz to 150 kHz	-44.54	-44.04	-39.02	-4.85
		150 kHz to 30 MHz	-42.56	-42.02	-29.02	-13.00
		30 MHz to 858 MHz	-41.56	-41.54	-19.02	-22.42
		858 MHz to 868 MHz	-37.15	-35.83	-19.02	-16.81
		895 MHz to 1 GHz	-34.87	-35.74	-19.02	-15.85
		1 GHz to 10 GHz	-30.52	-29.71	-19.02	-10.69
	3	9 kHz to 150 kHz	-43.77	-45.12	-39.02	-4.73
		150 kHz to 30 MHz	-41.89	-41.80	-29.02	-12.64
		30 MHz to 858 MHz	-41.02	-41.24	-19.02	-21.93
		858 MHz to 868 MHz	-36.50	-36.32	-19.02	-17.30
		895 MHz to 1 GHz	-34.70	-35.24	-19.02	-15.68
		1 GHz to 10 GHz	-28.15	-28.57	-19.02	-9.13

Table 8-276. Conducted Spurious Emission Summary Data (LTE B5_2C_5M+5M_4T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 241 of 394	

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-44.61	-44.16	-39.02	-5.14
		150 kHz to 30 MHz	-42.62	-42.66	-29.02	-13.60
		30 MHz to 858 MHz	-41.19	-41.31	-19.02	-22.17
		858 MHz to 868 MHz	-30.60	-30.76	-19.02	-11.58
		895 MHz to 1 GHz	-38.63	-38.21	-19.02	-19.19
		1 GHz to 10 GHz	-27.74	-28.74	-19.02	-8.72
	1	9 kHz to 150 kHz	-44.38	-44.57	-39.02	-5.36
		150 kHz to 30 MHz	-42.90	-43.34	-29.02	-13.88
		30 MHz to 858 MHz	-41.33	-41.52	-19.02	-22.31
		858 MHz to 868 MHz	-31.03	-30.66	-19.02	-11.64
		895 MHz to 1 GHz	-37.00	-36.56	-19.02	-17.54
		1 GHz to 10 GHz	-29.21	-29.55	-19.02	-10.19
	2	9 kHz to 150 kHz	-45.20	-44.29	-39.02	-5.27
		150 kHz to 30 MHz	-42.50	-42.43	-29.02	-13.41
		30 MHz to 858 MHz	-41.64	-41.63	-19.02	-22.61
		858 MHz to 868 MHz	-30.51	-31.31	-19.02	-11.49
		895 MHz to 1 GHz	-36.71	-34.93	-19.02	-15.91
		1 GHz to 10 GHz	-30.02	-30.04	-19.02	-11.00
	3	9 kHz to 150 kHz	-44.79	-44.03	-39.02	-5.01
		150 kHz to 30 MHz	-42.23	-42.32	-29.02	-13.21
		30 MHz to 858 MHz	-41.20	-41.27	-19.02	-22.18
		858 MHz to 868 MHz	-32.10	-31.86	-19.02	-12.84
		895 MHz to 1 GHz	-35.65	-36.57	-19.02	-16.63
		1 GHz to 10 GHz	-29.25	-29.37	-19.02	-10.23

Table 8-277. Conducted Spurious Emission Summary Data (LTE B5_3C_5M+10M+10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 242 of 394

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-44.29	-39.02	-5.27
		150 kHz to 30 MHz	-42.12	-29.02	-13.10
		30 MHz to 858 MHz	-41.18	-19.02	-22.16
		858 MHz to 868 MHz	-25.86	-19.02	-6.84
		895 MHz to 1 GHz	-35.85	-19.02	-16.83
		1 GHz to 10 GHz	-28.28	-19.02	-9.26
	1	9 kHz to 150 kHz	-45.01	-39.02	-5.99
		150 kHz to 30 MHz	-42.44	-29.02	-13.42
		30 MHz to 858 MHz	-41.26	-19.02	-22.24
		858 MHz to 868 MHz	-25.94	-19.02	-6.92
		895 MHz to 1 GHz	-32.94	-19.02	-13.92
		1 GHz to 10 GHz	-29.19	-19.02	-10.17
	2	9 kHz to 150 kHz	-44.82	-39.02	-5.80
		150 kHz to 30 MHz	-42.50	-29.02	-13.48
		30 MHz to 858 MHz	-41.59	-19.02	-22.57
		858 MHz to 868 MHz	-30.31	-19.02	-11.29
		895 MHz to 1 GHz	-34.42	-19.02	-15.40
		1 GHz to 10 GHz	-30.38	-19.02	-11.36
	3	9 kHz to 150 kHz	-44.51	-39.02	-5.49
		150 kHz to 30 MHz	-42.25	-29.02	-13.23
		30 MHz to 858 MHz	-41.00	-19.02	-21.98
		858 MHz to 868 MHz	-29.37	-19.02	-10.35
		895 MHz to 1 GHz	-34.45	-19.02	-15.43
		1 GHz to 10 GHz	-28.59	-19.02	-9.57

Table 8-278. Conducted Spurious Emission Summary Data (LTE B5_2NC_5M+5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 243 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-44.59	-44.34	-43.96	-44.18	-39.02	-4.94
			150 kHz to 30 MHz	-41.86	-41.92	-42.26	-42.97	-29.02	-12.84
			30 MHz to 858 MHz	-41.54	-41.29	-41.48	-41.30	-19.02	-22.27
			858 MHz to 868 MHz	-28.76	-31.81	-31.46	-28.94	-19.02	-9.74
			895 MHz to 1 GHz	-40.51	-40.44	-40.95	-40.34	-19.02	-21.32
			1 GHz to 10 GHz	-28.86	-28.38	-29.12	-28.50	-19.02	-9.36
		1	9 kHz to 150 kHz	-44.01	-44.20	-44.18	-44.41	-39.02	-4.99
			150 kHz to 30 MHz	-42.95	-42.25	-42.43	-41.98	-29.02	-12.96
			30 MHz to 858 MHz	-41.36	-41.33	-41.53	-41.37	-19.02	-22.31
			858 MHz to 868 MHz	-30.43	-31.43	-29.72	-28.70	-19.02	-9.68
			895 MHz to 1 GHz	-39.85	-39.04	-39.34	-39.54	-19.02	-20.02
			1 GHz to 10 GHz	-29.13	-28.35	-29.10	-28.99	-19.02	-9.33
		2	9 kHz to 150 kHz	-44.09	-44.04	-44.35	-44.47	-39.02	-5.02
			150 kHz to 30 MHz	-42.04	-42.83	-41.73	-41.96	-29.02	-12.71
			30 MHz to 858 MHz	-41.49	-41.44	-41.30	-41.62	-19.02	-22.28
			858 MHz to 868 MHz	-29.92	-30.51	-29.84	-29.07	-19.02	-10.05
			895 MHz to 1 GHz	-41.28	-40.21	-40.68	-41.03	-19.02	-21.19
			1 GHz to 10 GHz	-29.84	-30.23	-29.78	-28.78	-19.02	-9.76
		3	9 kHz to 150 kHz	-43.28	-43.94	-44.49	-43.79	-39.02	-4.26
			150 kHz to 30 MHz	-42.40	-41.95	-41.93	-42.05	-29.02	-12.91
			30 MHz to 858 MHz	-40.87	-40.98	-41.22	-40.93	-19.02	-21.85
			858 MHz to 868 MHz	-31.19	-33.08	-32.03	-29.37	-19.02	-10.35
			895 MHz to 1 GHz	-40.63	-40.12	-40.75	-40.57	-19.02	-21.10
			1 GHz to 10 GHz	-28.91	-28.96	-28.48	-29.52	-19.02	-9.46
	Middle	0	9 kHz to 150 kHz	-44.10	-45.10	-44.51	-44.48	-39.02	-5.08
			150 kHz to 30 MHz	-42.70	-42.94	-42.61	-42.92	-29.02	-13.59
			30 MHz to 858 MHz	-41.21	-41.21	-41.24	-41.22	-19.02	-22.19
			858 MHz to 868 MHz	-34.23	-32.21	-32.45	-33.45	-19.02	-13.19
			895 MHz to 1 GHz	-40.34	-38.07	-39.55	-40.39	-19.02	-19.05
			1 GHz to 10 GHz	-28.13	-28.82	-28.17	-28.10	-19.02	-9.08
		1	9 kHz to 150 kHz	-44.46	-44.41	-44.07	-44.63	-39.02	-5.05
			150 kHz to 30 MHz	-42.72	-42.50	-42.82	-42.98	-29.02	-13.48
			30 MHz to 858 MHz	-41.26	-41.48	-41.38	-41.43	-19.02	-22.24
			858 MHz to 868 MHz	-33.20	-33.95	-32.95	-33.93	-19.02	-13.93
			895 MHz to 1 GHz	-37.35	-39.33	-39.36	-39.58	-19.02	-18.33
			1 GHz to 10 GHz	-29.52	-28.49	-28.79	-29.32	-19.02	-9.47

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 244 of 394

LTE 9 : NR 1		2	9 kHz to 150 kHz	-44.61	-44.20	-43.62	-44.15	-39.02	-4.60
			150 kHz to 30 MHz	-42.27	-42.37	-42.94	-42.16	-29.02	-13.14
			30 MHz to 858 MHz	-41.27	-41.58	-41.53	-41.54	-19.02	-22.25
			858 MHz to 868 MHz	-35.44	-35.79	-34.28	-33.58	-19.02	-14.56
			895 MHz to 1 GHz	-41.12	-39.65	-40.90	-39.03	-19.02	-20.01
			1 GHz to 10 GHz	-30.21	-30.19	-30.25	-30.07	-19.02	-11.05
		3	9 kHz to 150 kHz	-44.29	-43.87	-43.85	-44.28	-39.02	-4.83
			150 kHz to 30 MHz	-41.63	-41.58	-42.30	-42.34	-29.02	-12.56
			30 MHz to 858 MHz	-41.22	-41.01	-41.39	-41.13	-19.02	-21.99
			858 MHz to 868 MHz	-35.40	-34.56	-35.44	-36.39	-19.02	-15.54
			895 MHz to 1 GHz	-38.62	-40.08	-39.58	-39.34	-19.02	-19.60
			1 GHz to 10 GHz	-28.49	-28.80	-28.61	-27.76	-19.02	-8.74
	High	0	9 kHz to 150 kHz	-43.96	-43.40	-44.20	-44.68	-39.02	-4.38
			150 kHz to 30 MHz	-42.22	-41.90	-43.19	-42.35	-29.02	-12.88
			30 MHz to 858 MHz	-41.41	-41.26	-41.21	-41.12	-19.02	-22.10
			858 MHz to 868 MHz	-34.23	-33.82	-34.81	-34.14	-19.02	-14.80
			895 MHz to 1 GHz	-36.56	-36.41	-36.71	-37.17	-19.02	-17.39
			1 GHz to 10 GHz	-28.38	-28.29	-27.67	-28.85	-19.02	-8.65
		1	9 kHz to 150 kHz	-44.37	-44.38	-44.83	-43.84	-39.02	-4.82
			150 kHz to 30 MHz	-42.76	-42.13	-42.84	-42.50	-29.02	-13.11
			30 MHz to 858 MHz	-41.39	-41.40	-41.41	-41.51	-19.02	-22.37
			858 MHz to 868 MHz	-32.87	-32.63	-34.41	-34.22	-19.02	-13.61
			895 MHz to 1 GHz	-34.43	-31.68	-35.42	-34.11	-19.02	-12.66
			1 GHz to 10 GHz	-29.18	-29.03	-29.86	-29.75	-19.02	-10.01
		2	9 kHz to 150 kHz	-44.06	-44.09	-43.70	-43.89	-39.02	-4.68
			150 kHz to 30 MHz	-42.26	-41.92	-42.69	-42.88	-29.02	-12.90
			30 MHz to 858 MHz	-41.57	-41.49	-41.67	-41.71	-19.02	-22.47
			858 MHz to 868 MHz	-36.09	-37.69	-37.81	-35.57	-19.02	-16.55
			895 MHz to 1 GHz	-36.50	-34.71	-36.16	-35.48	-19.02	-15.69
			1 GHz to 10 GHz	-29.90	-29.24	-30.49	-29.84	-19.02	-10.22
		3	9 kHz to 150 kHz	-44.09	-44.67	-43.78	-44.07	-39.02	-4.76
			150 kHz to 30 MHz	-42.30	-42.68	-42.51	-42.15	-29.02	-13.13
			30 MHz to 858 MHz	-41.25	-41.23	-41.28	-41.27	-19.02	-22.21
			858 MHz to 868 MHz	-36.14	-36.95	-36.63	-37.04	-19.02	-17.12
			895 MHz to 1 GHz	-36.35	-32.97	-35.15	-34.58	-19.02	-13.95
			1 GHz to 10 GHz	-28.40	-27.78	-29.45	-29.01	-19.02	-8.76

Table 8-279. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(9:1 Ratio)_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 245 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 8 : NR 2	Low	0	9 kHz to 150 kHz	-44.21	-43.47	-43.77	-43.90	-39.02	-4.45
			150 kHz to 30 MHz	-42.82	-42.46	-43.64	-43.19	-29.02	-13.44
			30 MHz to 858 MHz	-41.22	-41.41	-41.33	-41.39	-19.02	-22.20
			858 MHz to 868 MHz	-29.33	-31.28	-29.58	-30.14	-19.02	-10.31
			895 MHz to 1 GHz	-40.83	-40.59	-40.38	-40.21	-19.02	-21.19
			1 GHz to 10 GHz	-28.53	-28.08	-28.19	-28.53	-19.02	-9.06
		1	9 kHz to 150 kHz	-43.92	-44.49	-44.26	-43.94	-39.02	-4.90
			150 kHz to 30 MHz	-42.57	-41.39	-41.93	-42.10	-29.02	-12.37
			30 MHz to 858 MHz	-41.40	-41.60	-41.55	-41.56	-19.02	-22.38
			858 MHz to 868 MHz	-28.04	-30.75	-30.70	-28.12	-19.02	-9.02
			895 MHz to 1 GHz	-40.23	-39.36	-39.37	-39.90	-19.02	-20.34
			1 GHz to 10 GHz	-28.62	-29.35	-28.85	-29.59	-19.02	-9.60
		2	9 kHz to 150 kHz	-43.82	-43.71	-43.85	-43.34	-39.02	-4.32
			150 kHz to 30 MHz	-42.03	-43.03	-42.58	-42.56	-29.02	-13.01
			30 MHz to 858 MHz	-41.42	-41.46	-41.52	-41.30	-19.02	-22.28
			858 MHz to 868 MHz	-28.70	-29.83	-29.59	-29.04	-19.02	-9.68
			895 MHz to 1 GHz	-41.56	-39.97	-41.11	-40.88	-19.02	-20.95
			1 GHz to 10 GHz	-30.15	-30.10	-30.20	-30.20	-19.02	-11.08
		3	9 kHz to 150 kHz	-43.96	-43.92	-43.72	-43.69	-39.02	-4.67
			150 kHz to 30 MHz	-41.68	-42.25	-42.65	-42.49	-29.02	-12.66
			30 MHz to 858 MHz	-41.25	-41.18	-40.96	-41.04	-19.02	-21.94
			858 MHz to 868 MHz	-29.93	-30.96	-30.66	-30.10	-19.02	-10.91
			895 MHz to 1 GHz	-40.00	-40.64	-40.61	-39.66	-19.02	-20.64
			1 GHz to 10 GHz	-29.06	-28.82	-29.01	-29.08	-19.02	-9.80
	Middle	0	9 kHz to 150 kHz	-44.67	-44.23	-44.07	-43.77	-39.02	-4.75
			150 kHz to 30 MHz	-42.89	-42.61	-42.60	-42.43	-29.02	-13.41
			30 MHz to 858 MHz	-41.50	-41.42	-41.03	-41.27	-19.02	-22.01
			858 MHz to 868 MHz	-33.82	-33.63	-32.91	-33.67	-19.02	-13.89
			895 MHz to 1 GHz	-40.39	-39.58	-39.62	-40.01	-19.02	-20.56
			1 GHz to 10 GHz	-28.40	-28.52	-28.14	-28.98	-19.02	-9.12
		1	9 kHz to 150 kHz	-43.09	-44.39	-43.91	-44.13	-39.02	-4.07
			150 kHz to 30 MHz	-42.84	-41.97	-43.17	-42.62	-29.02	-12.95
			30 MHz to 858 MHz	-41.41	-41.47	-41.35	-41.31	-19.02	-22.29
			858 MHz to 868 MHz	-34.85	-32.59	-32.68	-34.29	-19.02	-13.57
			895 MHz to 1 GHz	-39.73	-38.64	-38.86	-40.30	-19.02	-19.62
			1 GHz to 10 GHz	-29.27	-29.65	-28.38	-28.66	-19.02	-9.36

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 246 of 394

LTE 8 : NR 2		2	9 kHz to 150 kHz	-44.20	-44.12	-44.16	-44.59	-39.02	-5.10
			150 kHz to 30 MHz	-42.49	-42.25	-42.63	-42.35	-29.02	-13.23
			30 MHz to 858 MHz	-41.59	-41.70	-41.47	-41.39	-19.02	-22.37
			858 MHz to 868 MHz	-35.38	-36.04	-35.75	-35.72	-19.02	-16.36
			895 MHz to 1 GHz	-39.67	-40.96	-39.75	-40.20	-19.02	-20.65
			1 GHz to 10 GHz	-29.40	-30.30	-30.56	-30.25	-19.02	-10.38
		3	9 kHz to 150 kHz	-44.06	-43.47	-43.57	-43.48	-39.02	-4.45
			150 kHz to 30 MHz	-41.77	-41.97	-42.24	-42.10	-29.02	-12.75
			30 MHz to 858 MHz	-40.96	-41.05	-40.97	-41.24	-19.02	-21.94
			858 MHz to 868 MHz	-34.50	-35.57	-35.67	-35.45	-19.02	-15.48
			895 MHz to 1 GHz	-38.03	-39.59	-40.16	-39.49	-19.02	-19.01
			1 GHz to 10 GHz	-28.43	-29.31	-29.30	-29.22	-19.02	-9.41
	High	0	9 kHz to 150 kHz	-44.62	-44.37	-44.07	-43.89	-39.02	-4.87
			150 kHz to 30 MHz	-41.50	-41.80	-42.60	-42.39	-29.02	-12.48
			30 MHz to 858 MHz	-41.50	-41.27	-41.13	-41.06	-19.02	-22.04
			858 MHz to 868 MHz	-33.30	-33.91	-33.93	-33.78	-19.02	-14.28
			895 MHz to 1 GHz	-35.83	-36.12	-35.07	-37.27	-19.02	-16.05
			1 GHz to 10 GHz	-27.63	-28.47	-28.00	-28.72	-19.02	-8.61
		1	9 kHz to 150 kHz	-44.35	-44.29	-43.65	-43.84	-39.02	-4.63
			150 kHz to 30 MHz	-42.30	-42.41	-42.35	-42.87	-29.02	-13.28
			30 MHz to 858 MHz	-41.63	-41.47	-41.35	-41.52	-19.02	-22.33
			858 MHz to 868 MHz	-34.37	-33.36	-34.62	-33.98	-19.02	-14.34
			895 MHz to 1 GHz	-33.32	-34.50	-32.48	-35.06	-19.02	-13.46
			1 GHz to 10 GHz	-29.65	-28.66	-28.47	-29.04	-19.02	-9.45
		2	9 kHz to 150 kHz	-43.98	-44.11	-44.07	-44.14	-39.02	-4.96
			150 kHz to 30 MHz	-42.58	-42.84	-42.02	-42.39	-29.02	-13.00
			30 MHz to 858 MHz	-41.51	-41.70	-41.67	-41.64	-19.02	-22.49
			858 MHz to 868 MHz	-37.09	-38.05	-36.81	-37.63	-19.02	-17.79
			895 MHz to 1 GHz	-35.58	-36.41	-34.00	-35.74	-19.02	-14.98
			1 GHz to 10 GHz	-30.08	-29.29	-30.52	-29.51	-19.02	-10.27
		3	9 kHz to 150 kHz	-44.41	-44.26	-43.48	-44.42	-39.02	-4.46
			150 kHz to 30 MHz	-42.23	-42.50	-42.71	-42.54	-29.02	-13.21
			30 MHz to 858 MHz	-41.15	-41.30	-41.22	-41.22	-19.02	-22.13
			858 MHz to 868 MHz	-35.11	-36.60	-35.78	-36.62	-19.02	-16.09
			895 MHz to 1 GHz	-34.03	-35.93	-34.40	-35.44	-19.02	-15.01
			1 GHz to 10 GHz	-28.52	-28.93	-29.40	-28.43	-19.02	-9.41

Table 8-280. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(8:2 Ratio)_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 247 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM	64QAM	256QAM		
LTE 4 : NR 6	Low	0	9 kHz to 150 kHz	-42.51	-42.39	-42.17	-42.01	-39.02	-2.99
			150 kHz to 30 MHz	-42.44	-42.17	-42.27	-42.02	-29.02	-13.00
			30 MHz to 858 MHz	-40.99	-41.24	-41.34	-41.37	-19.02	-21.97
			858 MHz to 868 MHz	-28.01	-28.52	-31.04	-28.60	-19.02	-8.99
			895 MHz to 1 GHz	-40.34	-40.37	-40.56	-39.79	-19.02	-20.77
			1 GHz to 10 GHz	-28.66	-28.03	-28.31	-27.77	-19.02	-8.75
		1	9 kHz to 150 kHz	-42.60	-42.75	-42.48	-42.53	-39.02	-3.46
			150 kHz to 30 MHz	-42.58	-42.18	-42.46	-43.36	-29.02	-13.16
			30 MHz to 858 MHz	-41.53	-41.52	-41.09	-41.30	-19.02	-22.07
			858 MHz to 868 MHz	-28.72	-29.20	-30.74	-29.35	-19.02	-9.70
			895 MHz to 1 GHz	-39.53	-40.04	-40.31	-39.28	-19.02	-20.26
			1 GHz to 10 GHz	-29.00	-30.05	-28.99	-29.46	-19.02	-9.97
		2	9 kHz to 150 kHz	-43.02	-41.00	-41.78	-42.49	-39.02	-1.98
			150 kHz to 30 MHz	-42.25	-42.20	-42.54	-43.05	-29.02	-13.18
			30 MHz to 858 MHz	-41.23	-41.47	-41.54	-41.32	-19.02	-22.21
			858 MHz to 868 MHz	-28.01	-28.79	-29.20	-27.65	-19.02	-8.63
			895 MHz to 1 GHz	-41.56	-40.95	-40.99	-41.43	-19.02	-21.93
			1 GHz to 10 GHz	-29.57	-28.91	-29.20	-30.44	-19.02	-9.89
		3	9 kHz to 150 kHz	-42.51	-41.60	-43.28	-42.49	-39.02	-2.58
			150 kHz to 30 MHz	-42.56	-41.85	-42.18	-41.73	-29.02	-12.71
			30 MHz to 858 MHz	-41.08	-41.14	-41.04	-41.14	-19.02	-22.02
			858 MHz to 868 MHz	-29.42	-30.20	-30.84	-30.50	-19.02	-10.40
			895 MHz to 1 GHz	-40.86	-40.16	-41.12	-39.84	-19.02	-20.82
			1 GHz to 10 GHz	-28.92	-28.54	-29.58	-28.61	-19.02	-9.52
	Middle	0	9 kHz to 150 kHz	-43.10	-42.44	-42.66	-42.29	-39.02	-3.27
			150 kHz to 30 MHz	-42.25	-42.71	-42.56	-42.37	-29.02	-13.23
			30 MHz to 858 MHz	-41.42	-41.32	-41.36	-41.26	-19.02	-22.24
			858 MHz to 868 MHz	-33.03	-33.50	-33.55	-31.74	-19.02	-12.72
			895 MHz to 1 GHz	-40.00	-38.83	-39.99	-39.61	-19.02	-19.81
			1 GHz to 10 GHz	-27.99	-28.52	-28.54	-28.76	-19.02	-8.97
		1	9 kHz to 150 kHz	-43.24	-42.61	-42.95	-42.51	-39.02	-3.49
			150 kHz to 30 MHz	-43.06	-41.89	-42.73	-42.25	-29.02	-12.87
			30 MHz to 858 MHz	-41.36	-41.65	-41.32	-41.16	-19.02	-22.14
			858 MHz to 868 MHz	-34.45	-33.47	-34.08	-33.82	-19.02	-14.45
			895 MHz to 1 GHz	-38.46	-38.46	-39.59	-39.47	-19.02	-19.44
			1 GHz to 10 GHz	-29.00	-29.05	-29.55	-28.56	-19.02	-9.54

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 248 of 394

LTE 4 : NR 6		2	9 kHz to 150 kHz	-42.35	-42.29	-42.38	-42.73	-39.02	-3.27
			150 kHz to 30 MHz	-42.26	-42.92	-42.28	-42.99	-29.02	-13.24
			30 MHz to 858 MHz	-41.75	-41.70	-41.72	-41.52	-19.02	-22.50
			858 MHz to 868 MHz	-35.51	-34.78	-33.85	-35.76	-19.02	-14.83
			895 MHz to 1 GHz	-38.31	-39.35	-39.46	-39.99	-19.02	-19.29
			1 GHz to 10 GHz	-29.24	-29.99	-30.10	-29.31	-19.02	-10.22
		3	9 kHz to 150 kHz	-42.46	-42.26	-42.86	-42.56	-39.02	-3.24
			150 kHz to 30 MHz	-41.78	-41.71	-42.78	-42.20	-29.02	-12.69
			30 MHz to 858 MHz	-40.96	-41.20	-41.31	-41.02	-19.02	-21.94
			858 MHz to 868 MHz	-34.28	-36.35	-34.10	-34.99	-19.02	-15.08
			895 MHz to 1 GHz	-38.02	-39.80	-38.25	-38.93	-19.02	-19.00
			1 GHz to 10 GHz	-29.61	-28.71	-27.61	-27.67	-19.02	-8.59
	High	0	9 kHz to 150 kHz	-42.23	-41.10	-42.50	-42.02	-39.02	-2.08
			150 kHz to 30 MHz	-42.63	-42.05	-42.33	-42.76	-29.02	-13.03
			30 MHz to 858 MHz	-41.37	-41.30	-41.03	-41.28	-19.02	-22.01
			858 MHz to 868 MHz	-33.32	-33.56	-34.45	-33.05	-19.02	-14.03
			895 MHz to 1 GHz	-36.26	-35.50	-36.06	-35.16	-19.02	-16.14
			1 GHz to 10 GHz	-27.70	-28.63	-27.91	-28.05	-19.02	-8.68
		1	9 kHz to 150 kHz	-43.42	-42.62	-42.85	-43.01	-39.02	-3.60
			150 kHz to 30 MHz	-42.60	-42.76	-42.25	-42.52	-29.02	-13.23
			30 MHz to 858 MHz	-41.18	-41.04	-41.62	-41.42	-19.02	-22.02
			858 MHz to 868 MHz	-33.53	-33.05	-33.26	-33.25	-19.02	-14.03
			895 MHz to 1 GHz	-34.35	-33.80	-36.31	-32.30	-19.02	-13.28
			1 GHz to 10 GHz	-29.45	-28.51	-29.71	-28.73	-19.02	-9.49
		2	9 kHz to 150 kHz	-43.36	-42.77	-43.16	-42.44	-39.02	-3.42
			150 kHz to 30 MHz	-41.31	-42.43	-42.35	-42.43	-29.02	-12.29
			30 MHz to 858 MHz	-41.64	-41.56	-41.71	-41.63	-19.02	-22.54
			858 MHz to 868 MHz	-36.54	-36.61	-38.51	-37.30	-19.02	-17.52
			895 MHz to 1 GHz	-35.31	-34.87	-33.94	-34.83	-19.02	-14.92
			1 GHz to 10 GHz	-29.27	-30.58	-30.09	-30.20	-19.02	-10.25
		3	9 kHz to 150 kHz	-42.88	-42.32	-42.97	-42.33	-39.02	-3.30
			150 kHz to 30 MHz	-41.88	-42.62	-42.66	-42.05	-29.02	-12.86
			30 MHz to 858 MHz	-41.17	-41.25	-41.15	-41.25	-19.02	-22.13
			858 MHz to 868 MHz	-35.95	-35.87	-36.66	-36.99	-19.02	-16.85
			895 MHz to 1 GHz	-34.39	-35.50	-35.84	-34.27	-19.02	-15.25
			1 GHz to 10 GHz	-29.14	-27.91	-29.34	-28.77	-19.02	-8.89

Table 8-281. Conducted Spurious Emission Summary Data (DSS B(n)5_1C_10M(4:6 Ratio)_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 249 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-59.23	-58.34	-39.02	-19.32
			150 kHz to 30 MHz	-53.36	-50.54	-29.02	-21.52
			30 MHz to 858 MHz	-41.99	-40.67	-19.02	-21.65
			858 MHz to 868 MHz	-30.40	-29.74	-19.02	-10.72
			895 MHz to 1 GHz	-39.29	-36.69	-19.02	-17.67
			1 GHz to 10 GHz	-27.73	-27.62	-19.02	-8.60
		1	9 kHz to 150 kHz	-59.68	-58.30	-39.02	-19.28
			150 kHz to 30 MHz	-53.68	-51.58	-29.02	-22.56
			30 MHz to 858 MHz	-42.79	-42.83	-19.02	-23.77
			858 MHz to 868 MHz	-30.99	-32.44	-19.02	-11.97
			895 MHz to 1 GHz	-36.86	-38.08	-19.02	-17.84
			1 GHz to 10 GHz	-29.23	-29.31	-19.02	-10.21
		2	9 kHz to 150 kHz	-59.81	-59.19	-39.02	-20.17
			150 kHz to 30 MHz	-52.61	-51.28	-29.02	-22.26
			30 MHz to 858 MHz	-42.86	-42.91	-19.02	-23.84
			858 MHz to 868 MHz	-29.40	-30.08	-19.02	-10.38
			895 MHz to 1 GHz	-38.35	-37.06	-19.02	-18.04
			1 GHz to 10 GHz	-30.41	-30.12	-19.02	-11.10
		3	9 kHz to 150 kHz	-58.71	-60.57	-39.02	-19.69
			150 kHz to 30 MHz	-52.83	-51.60	-29.02	-22.58
			30 MHz to 858 MHz	-42.81	-42.34	-19.02	-23.32
			858 MHz to 868 MHz	-30.77	-31.67	-19.02	-11.75
			895 MHz to 1 GHz	-37.64	-37.79	-19.02	-18.61
			1 GHz to 10 GHz	-29.26	-28.77	-19.02	-9.75
	Middle	0	9 kHz to 150 kHz	-58.20	-59.43	-39.02	-19.18
			150 kHz to 30 MHz	-52.95	-50.49	-29.02	-21.47
			30 MHz to 858 MHz	-42.04	-42.43	-19.02	-23.02
			858 MHz to 868 MHz	-30.31	-30.39	-19.02	-11.29
			895 MHz to 1 GHz	-37.68	-37.54	-19.02	-18.52
			1 GHz to 10 GHz	-28.34	-27.51	-19.02	-8.49
		1	9 kHz to 150 kHz	-59.03	-56.16	-39.02	-17.14
			150 kHz to 30 MHz	-53.29	-50.66	-29.02	-21.64
			30 MHz to 858 MHz	-42.95	-42.82	-19.02	-23.80
			858 MHz to 868 MHz	-30.57	-32.11	-19.02	-11.55
			895 MHz to 1 GHz	-35.81	-38.37	-19.02	-16.79
			1 GHz to 10 GHz	-28.67	-28.40	-19.02	-9.37

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 250 of 394	

LTE 9 : NR 1		2	9 kHz to 150 kHz	-57.92	-57.57	-39.02	-18.55
			150 kHz to 30 MHz	-51.82	-51.46	-29.02	-22.44
			30 MHz to 858 MHz	-42.88	-42.84	-19.02	-23.82
			858 MHz to 868 MHz	-30.87	-31.26	-19.02	-11.85
			895 MHz to 1 GHz	-36.84	-36.10	-19.02	-17.08
			1 GHz to 10 GHz	-30.61	-30.18	-19.02	-11.16
		3	9 kHz to 150 kHz	-60.83	-60.49	-39.02	-21.47
			150 kHz to 30 MHz	-52.65	-51.15	-29.02	-22.13
			30 MHz to 858 MHz	-42.56	-42.47	-19.02	-23.45
			858 MHz to 868 MHz	-31.45	-30.18	-19.02	-11.15
			895 MHz to 1 GHz	-37.34	-37.63	-19.02	-18.32
			1 GHz to 10 GHz	-28.83	-28.85	-19.02	-9.81
	High	0	9 kHz to 150 kHz	-58.50	-59.17	-39.02	-19.48
			150 kHz to 30 MHz	-52.56	-51.58	-29.02	-22.56
			30 MHz to 858 MHz	-42.64	-42.71	-19.02	-23.61
			858 MHz to 868 MHz	-30.82	-30.75	-19.02	-11.73
			895 MHz to 1 GHz	-37.25	-37.36	-19.02	-18.23
			1 GHz to 10 GHz	-28.85	-28.83	-19.02	-9.81
		1	9 kHz to 150 kHz	-58.30	-60.45	-39.02	-19.28
			150 kHz to 30 MHz	-52.81	-52.51	-29.02	-23.49
			30 MHz to 858 MHz	-42.63	-42.83	-19.02	-23.61
			858 MHz to 868 MHz	-31.79	-31.69	-19.02	-12.67
			895 MHz to 1 GHz	-35.23	-37.13	-19.02	-16.21
			1 GHz to 10 GHz	-29.18	-28.52	-19.02	-9.50
		2	9 kHz to 150 kHz	-58.59	-59.89	-39.02	-19.57
			150 kHz to 30 MHz	-52.47	-51.79	-29.02	-22.77
			30 MHz to 858 MHz	-42.88	-43.12	-19.02	-23.86
			858 MHz to 868 MHz	-30.63	-30.86	-19.02	-11.61
			895 MHz to 1 GHz	-35.61	-36.05	-19.02	-16.59
			1 GHz to 10 GHz	-29.96	-29.95	-19.02	-10.93
		3	9 kHz to 150 kHz	-58.82	-57.85	-39.02	-18.83
			150 kHz to 30 MHz	-52.58	-51.75	-29.02	-22.73
			30 MHz to 858 MHz	-42.58	-42.52	-19.02	-23.50
			858 MHz to 868 MHz	-32.00	-32.76	-19.02	-12.98
			895 MHz to 1 GHz	-35.93	-35.30	-19.02	-16.28
			1 GHz to 10 GHz	-29.09	-28.36	-19.02	-9.34

Table 8-282. Conducted Spurious Emission Summary Data (DSS B(n)5_2C_10M+10M_4T)

FCC ID: A3LRF4461D-13A			MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 251 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-57.37	-39.02	-18.35
			150 kHz to 30 MHz	-53.16	-29.02	-24.14
			30 MHz to 858 MHz	-41.66	-19.02	-22.64
			858 MHz to 868 MHz	-27.80	-19.02	-8.78
			895 MHz to 1 GHz	-35.95	-19.02	-16.93
			1 GHz to 10 GHz	-28.34	-19.02	-9.32
		1	9 kHz to 150 kHz	-60.60	-39.02	-21.58
			150 kHz to 30 MHz	-53.02	-29.02	-24.00
			30 MHz to 858 MHz	-42.88	-19.02	-23.86
			858 MHz to 868 MHz	-27.53	-19.02	-8.51
			895 MHz to 1 GHz	-33.86	-19.02	-14.84
			1 GHz to 10 GHz	-28.40	-19.02	-9.38
		2	9 kHz to 150 kHz	-58.59	-39.02	-19.57
			150 kHz to 30 MHz	-52.42	-29.02	-23.40
			30 MHz to 858 MHz	-42.91	-19.02	-23.89
			858 MHz to 868 MHz	-29.22	-19.02	-10.20
			895 MHz to 1 GHz	-36.77	-19.02	-17.75
			1 GHz to 10 GHz	-29.56	-19.02	-10.53
		3	9 kHz to 150 kHz	-57.74	-39.02	-18.72
			150 kHz to 30 MHz	-52.38	-29.02	-23.35
			30 MHz to 858 MHz	-42.44	-19.02	-23.41
			858 MHz to 868 MHz	-27.54	-19.02	-8.52
			895 MHz to 1 GHz	-36.45	-19.02	-17.43
			1 GHz to 10 GHz	-29.36	-19.02	-10.34

Table 8-283. Conducted Spurious Emission Summary Data (DSS B(n)5_2NC_10M+10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 252 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-44.47	-44.63	-44.70	-44.30	-39.02	-5.28
		150 kHz to 30 MHz	-42.28	-43.05	-42.98	-43.39	-29.02	-13.26
		30 MHz to 858 MHz	-41.54	-41.39	-41.33	-41.57	-19.02	-22.31
		858 MHz to 868 MHz	-29.55	-30.83	-30.47	-26.18	-19.02	-7.16
		895 MHz to 1 GHz	-40.71	-41.65	-41.50	-41.35	-19.02	-21.69
		1 GHz to 10 GHz	-23.15	-23.04	-22.94	-22.94	-19.02	-3.92
	1	9 kHz to 150 kHz	-44.65	-44.65	-44.79	-44.96	-39.02	-5.63
		150 kHz to 30 MHz	-43.48	-42.71	-43.36	-42.48	-29.02	-13.46
		30 MHz to 858 MHz	-41.52	-41.56	-41.79	-41.74	-19.02	-22.50
		858 MHz to 868 MHz	-30.03	-28.41	-30.44	-26.12	-19.02	-7.10
		895 MHz to 1 GHz	-40.90	-40.93	-40.62	-40.22	-19.02	-21.20
		1 GHz to 10 GHz	-23.18	-23.74	-23.74	-23.61	-19.02	-4.16
	2	9 kHz to 150 kHz	-44.30	-44.69	-44.73	-44.73	-39.02	-5.28
		150 kHz to 30 MHz	-42.70	-42.78	-42.24	-42.90	-29.02	-13.22
		30 MHz to 858 MHz	-41.55	-41.72	-41.87	-41.61	-19.02	-22.53
		858 MHz to 868 MHz	-33.57	-33.84	-34.11	-29.05	-19.02	-10.03
		895 MHz to 1 GHz	-42.15	-41.20	-42.15	-41.40	-19.02	-22.18
		1 GHz to 10 GHz	-24.76	-24.43	-24.40	-24.64	-19.02	-5.38
	3	9 kHz to 150 kHz	-43.87	-44.71	-44.61	-44.10	-39.02	-4.85
		150 kHz to 30 MHz	-42.45	-42.47	-42.59	-42.28	-29.02	-13.26
		30 MHz to 858 MHz	-41.25	-41.37	-41.18	-41.36	-19.02	-22.16
		858 MHz to 868 MHz	-33.74	-32.10	-33.67	-33.88	-19.02	-13.08
		895 MHz to 1 GHz	-41.25	-40.40	-40.78	-41.76	-19.02	-21.38
		1 GHz to 10 GHz	-23.30	-23.44	-23.49	-23.62	-19.02	-4.28
Middle	0	9 kHz to 150 kHz	-44.93	-44.86	-45.13	-44.74	-39.02	-5.72
		150 kHz to 30 MHz	-43.27	-43.28	-42.96	-42.46	-29.02	-13.44
		30 MHz to 858 MHz	-41.41	-41.61	-41.41	-41.55	-19.02	-22.39
		858 MHz to 868 MHz	-34.13	-35.19	-33.58	-34.50	-19.02	-14.56
		895 MHz to 1 GHz	-40.01	-40.42	-40.15	-39.73	-19.02	-20.71
		1 GHz to 10 GHz	-23.00	-22.82	-22.76	-23.17	-19.02	-3.74
	1	9 kHz to 150 kHz	-44.72	-44.90	-44.82	-45.45	-39.02	-5.70
		150 kHz to 30 MHz	-42.82	-43.47	-42.83	-42.72	-29.02	-13.70
		30 MHz to 858 MHz	-41.57	-41.54	-41.45	-41.69	-19.02	-22.43
		858 MHz to 868 MHz	-34.26	-34.01	-34.28	-35.21	-19.02	-14.99
		895 MHz to 1 GHz	-39.03	-38.30	-39.21	-39.58	-19.02	-19.28
		1 GHz to 10 GHz	-23.64	-23.93	-23.59	-23.72	-19.02	-4.57

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 253 of 394

	2	9 kHz to 150 kHz	-43.79	-44.25	-44.92	-45.07	-39.02	-4.77
		150 kHz to 30 MHz	-42.84	-43.04	-42.47	-41.94	-29.02	-12.92
		30 MHz to 858 MHz	-41.68	-41.66	-41.51	-41.66	-19.02	-22.49
		858 MHz to 868 MHz	-39.38	-39.16	-38.41	-38.27	-19.02	-19.25
		895 MHz to 1 GHz	-41.07	-41.50	-41.19	-40.65	-19.02	-21.63
		1 GHz to 10 GHz	-24.57	-24.78	-24.68	-24.31	-19.02	-5.29
	3	9 kHz to 150 kHz	-44.37	-44.38	-44.68	-45.00	-39.02	-5.35
		150 kHz to 30 MHz	-42.21	-43.24	-42.84	-42.05	-29.02	-13.03
		30 MHz to 858 MHz	-41.16	-41.14	-41.30	-41.40	-19.02	-22.12
		858 MHz to 868 MHz	-37.84	-38.13	-36.70	-36.24	-19.02	-17.22
		895 MHz to 1 GHz	-40.24	-41.32	-40.33	-40.28	-19.02	-21.22
		1 GHz to 10 GHz	-23.27	-23.62	-23.35	-23.47	-19.02	-4.25
High	0	9 kHz to 150 kHz	-45.09	-44.11	-45.39	-44.05	-39.02	-5.03
		150 kHz to 30 MHz	-42.91	-42.91	-42.65	-42.77	-29.02	-13.63
		30 MHz to 858 MHz	-41.47	-41.49	-41.42	-41.23	-19.02	-22.21
		858 MHz to 868 MHz	-35.46	-35.16	-35.57	-35.11	-19.02	-16.09
		895 MHz to 1 GHz	-37.25	-36.39	-37.22	-34.12	-19.02	-15.10
		1 GHz to 10 GHz	-22.86	-23.14	-22.39	-23.37	-19.02	-3.37
	1	9 kHz to 150 kHz	-44.95	-45.29	-45.10	-44.14	-39.02	-5.12
		150 kHz to 30 MHz	-42.67	-42.40	-43.00	-43.05	-29.02	-13.38
		30 MHz to 858 MHz	-41.76	-41.45	-41.65	-41.60	-19.02	-22.43
		858 MHz to 868 MHz	-35.46	-36.05	-36.39	-35.72	-19.02	-16.44
		895 MHz to 1 GHz	-35.45	-33.55	-34.65	-33.34	-19.02	-14.32
		1 GHz to 10 GHz	-23.53	-23.22	-23.58	-23.43	-19.02	-4.20
	2	9 kHz to 150 kHz	-44.65	-44.89	-44.43	-44.72	-39.02	-5.41
		150 kHz to 30 MHz	-42.74	-42.37	-43.32	-42.77	-29.02	-13.35
		30 MHz to 858 MHz	-41.66	-41.66	-41.68	-41.81	-19.02	-22.64
		858 MHz to 868 MHz	-39.00	-39.00	-39.13	-38.70	-19.02	-19.68
		895 MHz to 1 GHz	-36.03	-37.16	-35.42	-35.51	-19.02	-16.40
		1 GHz to 10 GHz	-24.89	-24.96	-24.87	-24.88	-19.02	-5.85
	3	9 kHz to 150 kHz	-44.80	-44.22	-44.75	-43.93	-39.02	-4.91
		150 kHz to 30 MHz	-42.60	-42.17	-41.52	-42.17	-29.02	-12.50
		30 MHz to 858 MHz	-41.35	-41.25	-41.23	-41.42	-19.02	-22.21
		858 MHz to 868 MHz	-37.52	-38.21	-37.52	-37.73	-19.02	-18.50
		895 MHz to 1 GHz	-35.13	-34.85	-35.89	-33.41	-19.02	-14.39
		1 GHz to 10 GHz	-23.47	-23.68	-23.25	-23.87	-19.02	-4.23

Table 8-284. Conducted Spurious Emission Summary Data (NR n5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 254 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-44.26	-44.70	-44.90	-44.64	-39.02	-5.24
		150 kHz to 30 MHz	-42.67	-42.18	-43.28	-42.95	-29.02	-13.16
		30 MHz to 858 MHz	-41.29	-41.23	-41.36	-41.25	-19.02	-22.21
		858 MHz to 868 MHz	-31.05	-30.97	-31.38	-29.06	-19.02	-10.04
		895 MHz to 1 GHz	-40.19	-39.99	-40.25	-40.02	-19.02	-20.97
		1 GHz to 10 GHz	-23.25	-23.16	-23.01	-22.92	-19.02	-3.90
	1	9 kHz to 150 kHz	-44.32	-44.43	-44.79	-44.16	-39.02	-5.14
		150 kHz to 30 MHz	-42.14	-43.06	-42.66	-41.94	-29.02	-12.92
		30 MHz to 858 MHz	-41.41	-41.55	-41.32	-41.60	-19.02	-22.30
		858 MHz to 868 MHz	-28.90	-30.18	-30.15	-29.56	-19.02	-9.88
		895 MHz to 1 GHz	-39.53	-39.50	-39.59	-38.03	-19.02	-19.01
		1 GHz to 10 GHz	-23.83	-23.82	-23.44	-23.50	-19.02	-4.42
	2	9 kHz to 150 kHz	-44.29	-44.52	-44.48	-44.46	-39.02	-5.27
		150 kHz to 30 MHz	-42.67	-41.87	-41.94	-42.23	-29.02	-12.85
		30 MHz to 858 MHz	-41.66	-41.55	-41.53	-41.70	-19.02	-22.51
		858 MHz to 868 MHz	-28.30	-29.29	-29.80	-29.98	-19.02	-9.28
		895 MHz to 1 GHz	-41.08	-40.65	-40.51	-41.13	-19.02	-21.49
		1 GHz to 10 GHz	-24.89	-24.37	-24.83	-24.63	-19.02	-5.35
	3	9 kHz to 150 kHz	-44.30	-43.66	-43.93	-43.89	-39.02	-4.64
		150 kHz to 30 MHz	-42.07	-41.84	-42.63	-42.56	-29.02	-12.82
		30 MHz to 858 MHz	-41.24	-41.08	-41.13	-41.23	-19.02	-22.06
		858 MHz to 868 MHz	-29.59	-31.61	-31.63	-31.97	-19.02	-10.57
		895 MHz to 1 GHz	-40.73	-40.15	-40.52	-39.73	-19.02	-20.71
		1 GHz to 10 GHz	-23.11	-23.56	-23.39	-23.69	-19.02	-4.09
Middle	0	9 kHz to 150 kHz	-44.21	-44.97	-45.24	-44.68	-39.02	-5.19
		150 kHz to 30 MHz	-42.79	-42.88	-42.69	-42.92	-29.02	-13.67
		30 MHz to 858 MHz	-41.36	-41.23	-41.38	-41.45	-19.02	-22.21
		858 MHz to 868 MHz	-32.87	-33.11	-32.93	-32.65	-19.02	-13.63
		895 MHz to 1 GHz	-39.82	-39.26	-38.99	-39.26	-19.02	-19.97
		1 GHz to 10 GHz	-22.83	-23.08	-22.73	-22.97	-19.02	-3.71
	1	9 kHz to 150 kHz	-44.88	-44.50	-44.58	-44.92	-39.02	-5.48
		150 kHz to 30 MHz	-42.21	-42.91	-42.85	-42.75	-29.02	-13.19
		30 MHz to 858 MHz	-41.49	-41.41	-41.56	-41.24	-19.02	-22.22
		858 MHz to 868 MHz	-32.31	-32.37	-34.53	-33.96	-19.02	-13.29
		895 MHz to 1 GHz	-38.59	-37.74	-38.72	-37.60	-19.02	-18.58
		1 GHz to 10 GHz	-23.84	-23.54	-23.63	-23.54	-19.02	-4.52

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 255 of 394

	2	9 kHz to 150 kHz	-44.60	-45.08	-44.38	-44.62	-39.02	-5.36
		150 kHz to 30 MHz	-42.35	-42.07	-42.85	-42.20	-29.02	-13.05
		30 MHz to 858 MHz	-41.65	-41.56	-41.52	-41.60	-19.02	-22.50
		858 MHz to 868 MHz	-34.10	-36.44	-36.35	-35.42	-19.02	-15.08
		895 MHz to 1 GHz	-40.73	-39.88	-39.88	-39.41	-19.02	-20.39
		1 GHz to 10 GHz	-24.56	-24.72	-24.58	-24.75	-19.02	-5.54
	3	9 kHz to 150 kHz	-44.30	-44.46	-44.54	-44.13	-39.02	-5.11
		150 kHz to 30 MHz	-41.88	-41.51	-42.11	-42.62	-29.02	-12.49
		30 MHz to 858 MHz	-41.15	-41.18	-41.14	-40.97	-19.02	-21.95
		858 MHz to 868 MHz	-35.08	-36.59	-36.10	-36.11	-19.02	-16.06
		895 MHz to 1 GHz	-40.00	-39.52	-39.94	-39.47	-19.02	-20.45
		1 GHz to 10 GHz	-23.71	-23.95	-23.58	-23.65	-19.02	-4.56
High	0	9 kHz to 150 kHz	-44.94	-45.25	-44.34	-44.95	-39.02	-5.32
		150 kHz to 30 MHz	-42.03	-42.29	-43.19	-42.73	-29.02	-13.01
		30 MHz to 858 MHz	-41.40	-41.53	-41.41	-41.33	-19.02	-22.31
		858 MHz to 868 MHz	-34.58	-35.16	-35.01	-34.61	-19.02	-15.56
		895 MHz to 1 GHz	-37.14	-37.72	-38.16	-37.55	-19.02	-18.12
		1 GHz to 10 GHz	-23.10	-23.16	-23.06	-23.22	-19.02	-4.04
	1	9 kHz to 150 kHz	-44.62	-45.12	-44.97	-44.62	-39.02	-5.60
		150 kHz to 30 MHz	-42.87	-42.97	-42.90	-43.22	-29.02	-13.85
		30 MHz to 858 MHz	-41.54	-41.44	-41.50	-41.36	-19.02	-22.34
		858 MHz to 868 MHz	-34.43	-34.73	-35.29	-35.01	-19.02	-15.41
		895 MHz to 1 GHz	-35.34	-36.35	-36.10	-36.07	-19.02	-16.32
		1 GHz to 10 GHz	-23.78	-23.70	-23.75	-24.05	-19.02	-4.68
	2	9 kHz to 150 kHz	-44.66	-44.58	-44.31	-44.90	-39.02	-5.29
		150 kHz to 30 MHz	-42.74	-42.53	-42.45	-42.49	-29.02	-13.43
		30 MHz to 858 MHz	-41.52	-41.62	-41.53	-41.73	-19.02	-22.50
		858 MHz to 868 MHz	-37.61	-37.78	-37.12	-36.71	-19.02	-17.69
		895 MHz to 1 GHz	-35.51	-35.69	-35.43	-34.62	-19.02	-15.60
		1 GHz to 10 GHz	-24.88	-24.85	-24.73	-24.93	-19.02	-5.71
	3	9 kHz to 150 kHz	-44.62	-44.13	-44.48	-44.59	-39.02	-5.11
		150 kHz to 30 MHz	-41.78	-42.95	-41.85	-42.38	-29.02	-12.76
		30 MHz to 858 MHz	-41.03	-41.13	-41.03	-41.11	-19.02	-22.01
		858 MHz to 868 MHz	-36.62	-37.21	-37.11	-36.31	-19.02	-17.29
		895 MHz to 1 GHz	-35.62	-36.75	-35.97	-35.92	-19.02	-16.60
		1 GHz to 10 GHz	-23.40	-23.63	-23.44	-23.77	-19.02	-4.38

Table 8-285. Conducted Spurious Emission Summary Data (NR_n5_1C_10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 256 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-45.24	-43.85	-45.03	-44.79	-39.02	-4.83
		150 kHz to 30 MHz	-43.01	-42.37	-42.78	-42.53	-29.02	-13.35
		30 MHz to 858 MHz	-41.44	-41.39	-41.41	-41.36	-19.02	-22.34
		858 MHz to 868 MHz	-31.94	-29.61	-31.33	-31.26	-19.02	-10.59
		895 MHz to 1 GHz	-39.35	-40.10	-39.72	-39.88	-19.02	-20.33
		1 GHz to 10 GHz	-23.15	-22.92	-22.99	-23.26	-19.02	-3.90
	1	9 kHz to 150 kHz	-45.30	-44.63	-43.88	-45.82	-39.02	-4.86
		150 kHz to 30 MHz	-42.07	-43.16	-42.79	-42.31	-29.02	-13.05
		30 MHz to 858 MHz	-41.43	-41.33	-41.68	-41.15	-19.02	-22.13
		858 MHz to 868 MHz	-30.83	-31.35	-30.33	-30.55	-19.02	-11.31
		895 MHz to 1 GHz	-39.82	-38.49	-38.95	-38.80	-19.02	-19.47
		1 GHz to 10 GHz	-23.80	-23.84	-23.91	-23.75	-19.02	-4.73
	2	9 kHz to 150 kHz	-44.48	-44.35	-44.21	-44.21	-39.02	-5.19
		150 kHz to 30 MHz	-42.53	-42.43	-42.88	-42.44	-29.02	-13.41
		30 MHz to 858 MHz	-41.63	-41.74	-41.60	-41.60	-19.02	-22.58
		858 MHz to 868 MHz	-29.49	-29.26	-29.63	-30.08	-19.02	-10.24
		895 MHz to 1 GHz	-40.93	-40.23	-40.25	-39.77	-19.02	-20.75
		1 GHz to 10 GHz	-24.86	-24.84	-24.95	-24.82	-19.02	-5.80
	3	9 kHz to 150 kHz	-44.61	-43.87	-44.20	-44.31	-39.02	-4.85
		150 kHz to 30 MHz	-42.55	-41.86	-42.46	-41.92	-29.02	-12.84
		30 MHz to 858 MHz	-41.32	-41.01	-41.07	-41.30	-19.02	-21.99
		858 MHz to 868 MHz	-29.93	-30.01	-30.38	-30.70	-19.02	-10.91
		895 MHz to 1 GHz	-39.29	-38.37	-39.54	-39.10	-19.02	-19.35
		1 GHz to 10 GHz	-23.46	-23.15	-23.85	-23.76	-19.02	-4.13
Middle	0	9 kHz to 150 kHz	-44.54	-45.16	-44.84	-44.48	-39.02	-5.46
		150 kHz to 30 MHz	-42.61	-42.97	-42.77	-43.33	-29.02	-13.59
		30 MHz to 858 MHz	-41.37	-41.46	-41.18	-41.04	-19.02	-22.02
		858 MHz to 868 MHz	-32.08	-33.26	-33.53	-32.59	-19.02	-13.06
		895 MHz to 1 GHz	-39.07	-39.52	-39.52	-38.81	-19.02	-19.79
		1 GHz to 10 GHz	-22.76	-23.13	-23.31	-23.09	-19.02	-3.74
	1	9 kHz to 150 kHz	-44.89	-44.17	-44.78	-44.17	-39.02	-5.15
		150 kHz to 30 MHz	-42.88	-42.97	-42.46	-42.58	-29.02	-13.44
		30 MHz to 858 MHz	-41.34	-41.20	-41.51	-41.47	-19.02	-22.18
		858 MHz to 868 MHz	-32.12	-32.29	-32.90	-32.73	-19.02	-13.10
		895 MHz to 1 GHz	-37.49	-38.25	-37.23	-38.77	-19.02	-18.21
		1 GHz to 10 GHz	-23.12	-23.47	-23.49	-23.79	-19.02	-4.10

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 257 of 394

	2	9 kHz to 150 kHz	-44.54	-44.52	-45.25	-44.66	-39.02	-5.50
		150 kHz to 30 MHz	-42.77	-42.87	-42.71	-42.90	-29.02	-13.69
		30 MHz to 858 MHz	-41.71	-41.61	-41.58	-41.68	-19.02	-22.56
		858 MHz to 868 MHz	-31.36	-31.32	-31.90	-32.87	-19.02	-12.30
		895 MHz to 1 GHz	-37.55	-37.74	-38.14	-37.05	-19.02	-18.03
		1 GHz to 10 GHz	-24.73	-24.62	-24.91	-24.94	-19.02	-5.60
	3	9 kHz to 150 kHz	-44.47	-44.16	-44.32	-44.46	-39.02	-5.14
		150 kHz to 30 MHz	-42.12	-42.91	-41.87	-42.50	-29.02	-12.85
		30 MHz to 858 MHz	-40.82	-41.21	-41.11	-41.10	-19.02	-21.80
		858 MHz to 868 MHz	-32.90	-34.29	-34.26	-33.32	-19.02	-13.88
		895 MHz to 1 GHz	-38.05	-38.54	-35.96	-37.97	-19.02	-16.94
		1 GHz to 10 GHz	-23.93	-23.11	-23.57	-23.68	-19.02	-4.09
High	0	9 kHz to 150 kHz	-44.36	-44.69	-45.21	-44.83	-39.02	-5.34
		150 kHz to 30 MHz	-43.23	-42.55	-42.66	-43.07	-29.02	-13.53
		30 MHz to 858 MHz	-41.40	-41.44	-41.22	-41.31	-19.02	-22.20
		858 MHz to 868 MHz	-33.97	-33.83	-33.90	-33.44	-19.02	-14.42
		895 MHz to 1 GHz	-37.59	-38.41	-37.54	-37.83	-19.02	-18.52
		1 GHz to 10 GHz	-23.08	-22.52	-23.08	-22.78	-19.02	-3.50
	1	9 kHz to 150 kHz	-44.21	-44.52	-45.36	-44.97	-39.02	-5.19
		150 kHz to 30 MHz	-42.48	-42.74	-42.57	-42.20	-29.02	-13.18
		30 MHz to 858 MHz	-41.21	-41.61	-41.35	-41.42	-19.02	-22.19
		858 MHz to 868 MHz	-34.26	-33.65	-34.32	-33.05	-19.02	-14.03
		895 MHz to 1 GHz	-37.07	-36.58	-36.20	-36.81	-19.02	-17.18
		1 GHz to 10 GHz	-23.82	-23.75	-23.77	-23.57	-19.02	-4.55
	2	9 kHz to 150 kHz	-44.38	-44.33	-44.39	-44.17	-39.02	-5.15
		150 kHz to 30 MHz	-42.43	-42.34	-42.87	-42.55	-29.02	-13.32
		30 MHz to 858 MHz	-41.73	-41.51	-41.52	-41.42	-19.02	-22.40
		858 MHz to 868 MHz	-36.45	-35.21	-35.76	-35.74	-19.02	-16.19
		895 MHz to 1 GHz	-34.58	-35.09	-35.00	-35.56	-19.02	-15.56
		1 GHz to 10 GHz	-24.42	-24.70	-24.76	-24.78	-19.02	-5.40
	3	9 kHz to 150 kHz	-44.86	-44.23	-44.21	-43.97	-39.02	-4.95
		150 kHz to 30 MHz	-42.94	-42.17	-42.83	-42.08	-29.02	-13.06
		30 MHz to 858 MHz	-41.18	-41.35	-41.26	-41.21	-19.02	-22.16
		858 MHz to 868 MHz	-35.74	-35.05	-34.94	-35.78	-19.02	-15.92
		895 MHz to 1 GHz	-35.42	-35.85	-36.08	-34.78	-19.02	-15.76
		1 GHz to 10 GHz	-23.81	-23.38	-23.79	-23.68	-19.02	-4.36

Table 8-286. Conducted Spurious Emission Summary Data (NR n5_1C_15M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 258 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Low	0	9 kHz to 150 kHz	-44.46	-44.07	-39.02	-5.05
		150 kHz to 30 MHz	-42.53	-42.63	-29.02	-13.51
		30 MHz to 858 MHz	-41.33	-41.44	-19.02	-22.21
		858 MHz to 868 MHz	-31.05	-31.69	-19.02	-8.17
		895 MHz to 1 GHz	-40.43	-39.80	-19.02	-18.84
		1 GHz to 10 GHz	-23.22	-23.19	-19.02	-4.17
	1	9 kHz to 150 kHz	-45.00	-44.97	-39.02	-5.20
		150 kHz to 30 MHz	-43.42	-42.51	-29.02	-13.49
		30 MHz to 858 MHz	-41.22	-41.50	-19.02	-22.20
		858 MHz to 868 MHz	-31.18	-30.35	-19.02	-6.99
		895 MHz to 1 GHz	-38.64	-39.20	-19.02	-19.43
		1 GHz to 10 GHz	-23.76	-23.83	-19.02	-4.74
	2	9 kHz to 150 kHz	-44.57	-44.83	-39.02	-5.04
		150 kHz to 30 MHz	-42.25	-42.28	-29.02	-12.89
		30 MHz to 858 MHz	-41.68	-41.52	-19.02	-22.50
		858 MHz to 868 MHz	-30.23	-30.71	-19.02	-10.34
		895 MHz to 1 GHz	-41.31	-41.32	-19.02	-21.88
		1 GHz to 10 GHz	-24.92	-24.66	-19.02	-5.64
	3	9 kHz to 150 kHz	-43.93	-44.47	-39.02	-4.91
		150 kHz to 30 MHz	-42.48	-42.43	-29.02	-13.41
		30 MHz to 858 MHz	-41.26	-41.10	-19.02	-22.08
		858 MHz to 868 MHz	-31.17	-31.58	-19.02	-10.82
		895 MHz to 1 GHz	-40.45	-39.84	-19.02	-20.82
		1 GHz to 10 GHz	-23.58	-23.42	-19.02	-4.40
Middle	0	9 kHz to 150 kHz	-44.51	-44.40	-39.02	-5.38
		150 kHz to 30 MHz	-42.40	-43.13	-29.02	-13.38
		30 MHz to 858 MHz	-41.42	-41.30	-19.02	-22.28
		858 MHz to 868 MHz	-33.84	-32.57	-19.02	-6.14
		895 MHz to 1 GHz	-40.44	-40.83	-19.02	-18.26
		1 GHz to 10 GHz	-23.13	-23.01	-19.02	-3.99
	1	9 kHz to 150 kHz	-44.64	-44.44	-39.02	-5.42
		150 kHz to 30 MHz	-43.17	-42.71	-29.02	-13.37
		30 MHz to 858 MHz	-41.24	-41.50	-19.02	-22.22
		858 MHz to 868 MHz	-32.06	-33.07	-19.02	-8.24
		895 MHz to 1 GHz	-39.01	-39.05	-19.02	-19.02
		1 GHz to 10 GHz	-23.63	-23.50	-19.02	-4.48

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 259 of 394

	2	9 kHz to 150 kHz	-44.51	-44.78	-39.02	-4.79
		150 kHz to 30 MHz	-42.01	-42.36	-29.02	-12.99
		30 MHz to 858 MHz	-41.60	-41.53	-19.02	-22.51
		858 MHz to 868 MHz	-33.75	-33.49	-19.02	-13.74
		895 MHz to 1 GHz	-40.62	-40.03	-19.02	-21.01
		1 GHz to 10 GHz	-24.79	-24.33	-19.02	-5.31
	3	9 kHz to 150 kHz	-45.13	-44.97	-39.02	-5.53
		150 kHz to 30 MHz	-42.04	-42.22	-29.02	-13.02
		30 MHz to 858 MHz	-41.24	-41.19	-19.02	-22.17
		858 MHz to 868 MHz	-33.75	-32.78	-19.02	-13.76
		895 MHz to 1 GHz	-40.13	-40.68	-19.02	-19.91
		1 GHz to 10 GHz	-23.86	-23.58	-19.02	-4.56
High	0	9 kHz to 150 kHz	-44.98	-44.56	-39.02	-5.51
		150 kHz to 30 MHz	-42.38	-42.19	-29.02	-13.17
		30 MHz to 858 MHz	-41.45	-41.27	-19.02	-22.25
		858 MHz to 868 MHz	-34.08	-33.81	-19.02	-12.05
		895 MHz to 1 GHz	-36.92	-37.25	-19.02	-17.68
		1 GHz to 10 GHz	-23.00	-22.74	-19.02	-3.72
	1	9 kHz to 150 kHz	-44.23	-44.77	-39.02	-5.21
		150 kHz to 30 MHz	-42.73	-42.24	-29.02	-13.22
		30 MHz to 858 MHz	-41.43	-41.41	-19.02	-22.24
		858 MHz to 868 MHz	-33.49	-35.49	-19.02	-11.92
		895 MHz to 1 GHz	-35.57	-34.71	-19.02	-7.54
		1 GHz to 10 GHz	-23.62	-23.86	-19.02	-4.60
	2	9 kHz to 150 kHz	-44.03	-43.83	-39.02	-4.81
		150 kHz to 30 MHz	-43.12	-43.46	-29.02	-13.70
		30 MHz to 858 MHz	-41.80	-41.56	-19.02	-22.48
		858 MHz to 868 MHz	-37.27	-37.10	-19.02	-16.37
		895 MHz to 1 GHz	-34.80	-35.68	-19.02	-15.23
		1 GHz to 10 GHz	-24.57	-24.80	-19.02	-5.55
	3	9 kHz to 150 kHz	-44.43	-44.33	-39.02	-5.31
		150 kHz to 30 MHz	-41.94	-42.25	-29.02	-12.90
		30 MHz to 858 MHz	-40.99	-41.24	-19.02	-21.97
		858 MHz to 868 MHz	-36.30	-36.28	-19.02	-17.03
		895 MHz to 1 GHz	-35.05	-35.81	-19.02	-16.03
		1 GHz to 10 GHz	-23.69	-23.46	-19.02	-4.44

Table 8-287. Conducted Spurious Emission Summary Data (NR n5_2C_5M+5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 260 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-44.60	-45.27	-39.02	-5.58
		150 kHz to 30 MHz	-42.25	-42.90	-29.02	-13.23
		30 MHz to 858 MHz	-41.27	-41.18	-19.02	-22.16
		858 MHz to 868 MHz	-30.53	-30.42	-19.02	-11.40
		895 MHz to 1 GHz	-38.30	-38.00	-19.02	-18.98
		1 GHz to 10 GHz	-23.05	-22.88	-19.02	-3.86
	1	9 kHz to 150 kHz	-44.12	-44.82	-39.02	-5.10
		150 kHz to 30 MHz	-42.55	-42.71	-29.02	-13.53
		30 MHz to 858 MHz	-41.38	-41.55	-19.02	-22.36
		858 MHz to 868 MHz	-30.45	-30.46	-19.02	-11.43
		895 MHz to 1 GHz	-36.34	-34.77	-19.02	-15.75
		1 GHz to 10 GHz	-23.59	-23.89	-19.02	-4.57
	2	9 kHz to 150 kHz	-44.54	-44.42	-39.02	-5.40
		150 kHz to 30 MHz	-42.81	-42.98	-29.02	-13.79
		30 MHz to 858 MHz	-41.59	-41.75	-19.02	-22.57
		858 MHz to 868 MHz	-30.47	-29.85	-19.02	-10.83
		895 MHz to 1 GHz	-35.44	-34.84	-19.02	-15.82
		1 GHz to 10 GHz	-24.83	-24.91	-19.02	-5.81
	3	9 kHz to 150 kHz	-44.39	-44.69	-39.02	-5.37
		150 kHz to 30 MHz	-42.61	-42.56	-29.02	-13.54
		30 MHz to 858 MHz	-41.18	-41.33	-19.02	-22.16
		858 MHz to 868 MHz	-31.62	-30.36	-19.02	-11.34
		895 MHz to 1 GHz	-35.94	-36.39	-19.02	-16.92
		1 GHz to 10 GHz	-23.72	-23.67	-19.02	-4.65

Table 8-288. Conducted Spurious Emission Summary Data (NR n5_2C_10M+15M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 261 of 394

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-44.93	-39.02	-5.91
		150 kHz to 30 MHz	-42.42	-29.02	-13.40
		30 MHz to 858 MHz	-41.11	-19.02	-22.09
		858 MHz to 868 MHz	-26.12	-19.02	-7.10
		895 MHz to 1 GHz	-34.85	-19.02	-15.83
		1 GHz to 10 GHz	-22.67	-19.02	-3.65
	1	9 kHz to 150 kHz	-44.70	-39.02	-5.68
		150 kHz to 30 MHz	-42.62	-29.02	-13.60
		30 MHz to 858 MHz	-41.58	-19.02	-22.56
		858 MHz to 868 MHz	-25.22	-19.02	-6.20
		895 MHz to 1 GHz	-33.64	-19.02	-14.62
		1 GHz to 10 GHz	-23.75	-19.02	-4.73
	2	9 kHz to 150 kHz	-44.32	-39.02	-5.30
		150 kHz to 30 MHz	-42.21	-29.02	-13.19
		30 MHz to 858 MHz	-41.40	-19.02	-22.38
		858 MHz to 868 MHz	-29.14	-19.02	-10.12
		895 MHz to 1 GHz	-33.63	-19.02	-14.61
		1 GHz to 10 GHz	-24.86	-19.02	-5.84
	3	9 kHz to 150 kHz	-44.16	-39.02	-5.14
		150 kHz to 30 MHz	-42.44	-29.02	-13.42
		30 MHz to 858 MHz	-41.09	-19.02	-22.07
		858 MHz to 868 MHz	-29.91	-19.02	-10.89
		895 MHz to 1 GHz	-34.84	-19.02	-15.82
		1 GHz to 10 GHz	-23.78	-19.02	-4.76

Table 8-289. Conducted Spurious Emission Summary Data (NR n5_2NC_5M+5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 262 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-59.23	-58.17	-39.02	-19.15
			150 kHz to 30 MHz	-52.15	-52.26	-29.02	-23.13
			30 MHz to 858 MHz	-42.88	-42.78	-19.02	-23.76
			858 MHz to 868 MHz	-30.07	-31.51	-19.02	-11.05
			895 MHz to 1 GHz	-39.90	-39.74	-19.02	-20.72
			1 GHz to 10 GHz	-22.96	-22.98	-19.02	-3.94
		1	9 kHz to 150 kHz	-59.82	-59.94	-39.02	-20.80
			150 kHz to 30 MHz	-52.12	-52.47	-29.02	-23.09
			30 MHz to 858 MHz	-42.64	-42.72	-19.02	-23.62
			858 MHz to 868 MHz	-29.71	-30.58	-19.02	-10.69
			895 MHz to 1 GHz	-38.84	-39.56	-19.02	-19.82
			1 GHz to 10 GHz	-23.96	-24.21	-19.02	-4.94
		2	9 kHz to 150 kHz	-59.97	-58.97	-39.02	-19.95
			150 kHz to 30 MHz	-52.51	-51.86	-29.02	-22.84
			30 MHz to 858 MHz	-42.89	-43.08	-19.02	-23.87
			858 MHz to 868 MHz	-28.84	-29.56	-19.02	-9.81
			895 MHz to 1 GHz	-40.14	-39.67	-19.02	-20.65
			1 GHz to 10 GHz	-24.87	-24.77	-19.02	-5.75
		3	9 kHz to 150 kHz	-60.37	-58.71	-39.02	-19.69
			150 kHz to 30 MHz	-51.85	-52.39	-29.02	-22.83
			30 MHz to 858 MHz	-42.62	-42.25	-19.02	-23.23
			858 MHz to 868 MHz	-30.71	-30.11	-19.02	-11.09
			895 MHz to 1 GHz	-40.31	-39.57	-19.02	-20.55
			1 GHz to 10 GHz	-23.41	-23.49	-19.02	-4.39
	Middle	0	9 kHz to 150 kHz	-59.77	-59.31	-39.02	-20.29
			150 kHz to 30 MHz	-51.18	-52.19	-29.02	-22.16
			30 MHz to 858 MHz	-42.84	-42.45	-19.02	-23.43
			858 MHz to 868 MHz	-31.78	-32.78	-19.02	-12.75
			895 MHz to 1 GHz	-40.02	-40.02	-19.02	-21.00
			1 GHz to 10 GHz	-23.15	-22.78	-19.02	-3.76
		1	9 kHz to 150 kHz	-60.59	-58.77	-39.02	-19.75
			150 kHz to 30 MHz	-52.75	-52.36	-29.02	-23.34
			30 MHz to 858 MHz	-43.13	-42.70	-19.02	-23.68
			858 MHz to 868 MHz	-31.42	-31.55	-19.02	-12.40
			895 MHz to 1 GHz	-37.76	-38.09	-19.02	-18.74
			1 GHz to 10 GHz	-23.92	-23.94	-19.02	-4.90

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 263 of 394

LTE 9 : NR 1		2	9 kHz to 150 kHz	-59.55	-58.53	-39.02	-19.50
			150 kHz to 30 MHz	-52.21	-52.08	-29.02	-23.06
			30 MHz to 858 MHz	-42.87	-42.93	-19.02	-23.85
			858 MHz to 868 MHz	-30.26	-31.30	-19.02	-11.24
			895 MHz to 1 GHz	-37.03	-37.45	-19.02	-18.01
			1 GHz to 10 GHz	-24.64	-24.52	-19.02	-5.50
		3	9 kHz to 150 kHz	-60.74	-59.11	-39.02	-20.09
			150 kHz to 30 MHz	-52.38	-51.87	-29.02	-22.85
			30 MHz to 858 MHz	-42.43	-42.37	-19.02	-23.34
			858 MHz to 868 MHz	-32.60	-32.21	-19.02	-13.19
			895 MHz to 1 GHz	-38.95	-36.67	-19.02	-17.65
			1 GHz to 10 GHz	-23.56	-23.25	-19.02	-4.23
	High	0	9 kHz to 150 kHz	-59.75	-58.70	-39.02	-19.68
			150 kHz to 30 MHz	-51.94	-52.44	-29.02	-22.92
			30 MHz to 858 MHz	-42.73	-42.59	-19.02	-23.57
			858 MHz to 868 MHz	-32.08	-32.88	-19.02	-13.06
			895 MHz to 1 GHz	-36.85	-36.56	-19.02	-17.54
			1 GHz to 10 GHz	-22.52	-22.90	-19.02	-3.50
		1	9 kHz to 150 kHz	-60.25	-59.13	-39.02	-20.11
			150 kHz to 30 MHz	-53.23	-52.60	-29.02	-23.58
			30 MHz to 858 MHz	-43.06	-42.88	-19.02	-23.86
			858 MHz to 868 MHz	-31.76	-33.74	-19.02	-12.74
			895 MHz to 1 GHz	-33.72	-36.77	-19.02	-14.70
			1 GHz to 10 GHz	-24.04	-24.09	-19.02	-5.02
		2	9 kHz to 150 kHz	-60.70	-58.51	-39.02	-19.49
			150 kHz to 30 MHz	-52.25	-52.54	-29.02	-23.23
			30 MHz to 858 MHz	-42.88	-43.04	-19.02	-23.86
			858 MHz to 868 MHz	-33.93	-35.39	-19.02	-14.91
			895 MHz to 1 GHz	-36.01	-34.60	-19.02	-15.58
			1 GHz to 10 GHz	-24.66	-24.45	-19.02	-5.43
		3	9 kHz to 150 kHz	-59.68	-59.54	-39.02	-20.51
			150 kHz to 30 MHz	-52.53	-53.09	-29.02	-23.51
			30 MHz to 858 MHz	-42.62	-42.12	-19.02	-23.10
			858 MHz to 868 MHz	-34.59	-35.12	-19.02	-15.56
			895 MHz to 1 GHz	-35.94	-36.02	-19.02	-16.92
			1 GHz to 10 GHz	-22.79	-23.39	-19.02	-3.77

Table 8-290. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 264 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-59.82	-60.42	-39.02	-20.80
			150 kHz to 30 MHz	-48.29	-51.44	-29.02	-19.27
			30 MHz to 858 MHz	-41.20	-41.23	-19.02	-22.18
			858 MHz to 868 MHz	-31.38	-29.59	-19.02	-10.57
			895 MHz to 1 GHz	-38.04	-38.44	-19.02	-19.02
			1 GHz to 10 GHz	-23.20	-22.69	-19.02	-3.67
		1	9 kHz to 150 kHz	-61.06	-59.93	-39.02	-20.91
			150 kHz to 30 MHz	-48.43	-51.00	-29.02	-19.41
			30 MHz to 858 MHz	-41.26	-41.34	-19.02	-22.24
			858 MHz to 868 MHz	-30.33	-29.78	-19.02	-10.76
			895 MHz to 1 GHz	-36.70	-35.45	-19.02	-16.43
			1 GHz to 10 GHz	-23.93	-23.91	-19.02	-4.89
		2	9 kHz to 150 kHz	-59.90	-59.78	-39.02	-20.76
			150 kHz to 30 MHz	-48.29	-50.75	-29.02	-19.27
			30 MHz to 858 MHz	-41.43	-41.55	-19.02	-22.41
			858 MHz to 868 MHz	-30.40	-30.45	-19.02	-11.38
			895 MHz to 1 GHz	-36.17	-35.75	-19.02	-16.73
			1 GHz to 10 GHz	-24.63	-24.45	-19.02	-5.43
		3	9 kHz to 150 kHz	-60.65	-60.10	-39.02	-21.08
			150 kHz to 30 MHz	-48.70	-50.60	-29.02	-19.68
			30 MHz to 858 MHz	-41.07	-41.08	-19.02	-22.05
			858 MHz to 868 MHz	-31.36	-32.31	-19.02	-12.34
			895 MHz to 1 GHz	-34.89	-30.58	-19.02	-11.56
			1 GHz to 10 GHz	-23.54	-23.65	-19.02	-4.52

Table 8-291. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_2C_10M+10M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 265 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-60.46	-39.02	-21.44
			150 kHz to 30 MHz	-50.16	-29.02	-21.14
			30 MHz to 858 MHz	-41.12	-19.02	-22.10
			858 MHz to 868 MHz	-29.00	-19.02	-9.97
			895 MHz to 1 GHz	-37.72	-19.02	-18.69
			1 GHz to 10 GHz	-22.85	-19.02	-3.83
		1	9 kHz to 150 kHz	-60.28	-39.02	-21.26
			150 kHz to 30 MHz	-49.72	-29.02	-20.70
			30 MHz to 858 MHz	-41.61	-19.02	-22.59
			858 MHz to 868 MHz	-29.48	-19.02	-10.45
			895 MHz to 1 GHz	-36.10	-19.02	-17.08
			1 GHz to 10 GHz	-23.63	-19.02	-4.61
		2	9 kHz to 150 kHz	-59.79	-39.02	-20.77
			150 kHz to 30 MHz	-49.52	-29.02	-20.50
			30 MHz to 858 MHz	-41.84	-19.02	-22.82
			858 MHz to 868 MHz	-30.14	-19.02	-11.12
			895 MHz to 1 GHz	-36.55	-19.02	-17.53
			1 GHz to 10 GHz	-24.81	-19.02	-5.79
		3	9 kHz to 150 kHz	-59.87	-39.02	-20.85
			150 kHz to 30 MHz	-49.87	-29.02	-20.85
			30 MHz to 858 MHz	-41.22	-19.02	-22.20
			858 MHz to 868 MHz	-31.35	-19.02	-12.33
			895 MHz to 1 GHz	-35.41	-19.02	-16.39
			1 GHz to 10 GHz	-23.52	-19.02	-4.50

Table 8-292. Conducted Spurious Emission Summary Data (MSR 2NC_DSS B(n)5_1C_10M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 266 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Low	0	9 kHz to 150 kHz	-58.38	-58.40	-39.02	-19.36
		150 kHz to 30 MHz	-50.24	-50.56	-29.02	-21.22
		30 MHz to 858 MHz	-41.15	-41.20	-19.02	-22.13
		858 MHz to 868 MHz	-30.71	-31.92	-19.02	-11.69
		895 MHz to 1 GHz	-39.99	-41.09	-19.02	-20.97
		1 GHz to 10 GHz	-22.90	-23.11	-19.02	-3.88
	1	9 kHz to 150 kHz	-59.06	-58.16	-39.02	-19.14
		150 kHz to 30 MHz	-50.10	-51.00	-29.02	-21.08
		30 MHz to 858 MHz	-41.18	-41.42	-19.02	-22.16
		858 MHz to 868 MHz	-29.14	-29.31	-19.02	-10.12
		895 MHz to 1 GHz	-39.13	-38.59	-19.02	-19.57
		1 GHz to 10 GHz	-23.82	-23.83	-19.02	-4.80
	2	9 kHz to 150 kHz	-58.63	-57.88	-39.02	-18.86
		150 kHz to 30 MHz	-49.85	-50.45	-29.02	-20.83
		30 MHz to 858 MHz	-41.44	-41.52	-19.02	-22.42
		858 MHz to 868 MHz	-29.55	-28.92	-19.02	-9.90
		895 MHz to 1 GHz	-39.97	-40.58	-19.02	-20.95
		1 GHz to 10 GHz	-24.70	-25.03	-19.02	-5.68
	3	9 kHz to 150 kHz	-58.80	-58.44	-39.02	-19.42
		150 kHz to 30 MHz	-50.21	-50.78	-29.02	-21.19
		30 MHz to 858 MHz	-40.87	-41.04	-19.02	-21.85
		858 MHz to 868 MHz	-30.38	-30.75	-19.02	-11.36
		895 MHz to 1 GHz	-39.95	-40.54	-19.02	-20.93
		1 GHz to 10 GHz	-23.60	-23.50	-19.02	-4.48
Middle	0	9 kHz to 150 kHz	-58.49	-57.55	-39.02	-18.53
		150 kHz to 30 MHz	-51.44	-50.64	-29.02	-21.62
		30 MHz to 858 MHz	-41.05	-41.22	-19.02	-22.03
		858 MHz to 868 MHz	-33.09	-33.54	-19.02	-14.07
		895 MHz to 1 GHz	-40.09	-39.70	-19.02	-20.68
		1 GHz to 10 GHz	-23.28	-22.98	-19.02	-3.96
	1	9 kHz to 150 kHz	-58.34	-57.63	-39.02	-18.61
		150 kHz to 30 MHz	-50.79	-49.64	-29.02	-20.62
		30 MHz to 858 MHz	-41.42	-41.31	-19.02	-22.29
		858 MHz to 868 MHz	-33.81	-33.14	-19.02	-14.12
		895 MHz to 1 GHz	-38.48	-38.81	-19.02	-19.46
		1 GHz to 10 GHz	-23.61	-23.93	-19.02	-4.59

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 267 of 394

	2	9 kHz to 150 kHz	-58.32	-57.27	-39.02	-18.25
		150 kHz to 30 MHz	-50.40	-50.73	-29.02	-21.38
		30 MHz to 858 MHz	-41.42	-41.46	-19.02	-22.40
		858 MHz to 868 MHz	-34.77	-34.65	-19.02	-15.63
		895 MHz to 1 GHz	-39.01	-38.81	-19.02	-19.79
		1 GHz to 10 GHz	-24.39	-24.69	-19.02	-5.37
	3	9 kHz to 150 kHz	-58.18	-57.56	-39.02	-18.54
		150 kHz to 30 MHz	-50.37	-50.72	-29.02	-21.35
		30 MHz to 858 MHz	-40.98	-40.81	-19.02	-21.79
		858 MHz to 868 MHz	-34.58	-34.94	-19.02	-15.56
		895 MHz to 1 GHz	-37.44	-39.47	-19.02	-18.42
		1 GHz to 10 GHz	-23.70	-23.69	-19.02	-4.67
High	0	9 kHz to 150 kHz	-57.72	-57.50	-39.02	-18.48
		150 kHz to 30 MHz	-51.67	-51.22	-29.02	-22.20
		30 MHz to 858 MHz	-41.18	-41.25	-19.02	-22.16
		858 MHz to 868 MHz	-33.86	-33.59	-19.02	-14.57
		895 MHz to 1 GHz	-37.35	-36.16	-19.02	-17.14
		1 GHz to 10 GHz	-22.95	-23.15	-19.02	-3.93
	1	9 kHz to 150 kHz	-58.09	-57.89	-39.02	-18.87
		150 kHz to 30 MHz	-51.26	-50.74	-29.02	-21.72
		30 MHz to 858 MHz	-41.23	-40.96	-19.02	-21.94
		858 MHz to 868 MHz	-34.88	-34.59	-19.02	-15.57
		895 MHz to 1 GHz	-36.09	-36.51	-19.02	-17.07
		1 GHz to 10 GHz	-23.77	-23.91	-19.02	-4.75
	2	9 kHz to 150 kHz	-58.14	-57.88	-39.02	-18.86
		150 kHz to 30 MHz	-50.49	-50.99	-29.02	-21.47
		30 MHz to 858 MHz	-41.53	-41.55	-19.02	-22.51
		858 MHz to 868 MHz	-37.30	-35.40	-19.02	-16.38
		895 MHz to 1 GHz	-36.10	-35.19	-19.02	-16.17
		1 GHz to 10 GHz	-24.70	-24.93	-19.02	-5.68
	3	9 kHz to 150 kHz	-58.44	-57.65	-39.02	-18.63
		150 kHz to 30 MHz	-51.49	-50.14	-29.02	-21.12
		30 MHz to 858 MHz	-41.07	-41.16	-19.02	-22.05
		858 MHz to 868 MHz	-36.35	-35.66	-19.02	-16.64
		895 MHz to 1 GHz	-34.38	-35.40	-19.02	-15.36
		1 GHz to 10 GHz	-23.27	-23.66	-19.02	-4.25

Table 8-293. Conducted Spurious Emission Summary Data (MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 268 of 394	

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-61.53	-61.06	-39.02	-22.04
		150 kHz to 30 MHz	-46.00	-46.18	-29.02	-16.98
		30 MHz to 858 MHz	-41.11	-41.21	-19.02	-22.09
		858 MHz to 868 MHz	-30.46	-32.11	-19.02	-11.44
		895 MHz to 1 GHz	-37.75	-38.27	-19.02	-18.73
		1 GHz to 10 GHz	-23.17	-22.93	-19.02	-3.91
	1	9 kHz to 150 kHz	-61.74	-61.17	-39.02	-22.15
		150 kHz to 30 MHz	-45.98	-46.23	-29.02	-16.96
		30 MHz to 858 MHz	-41.12	-41.44	-19.02	-22.10
		858 MHz to 868 MHz	-30.95	-31.02	-19.02	-11.93
		895 MHz to 1 GHz	-36.43	-36.26	-19.02	-17.24
		1 GHz to 10 GHz	-23.80	-24.01	-19.02	-4.78
	2	9 kHz to 150 kHz	-61.38	-61.02	-39.02	-22.00
		150 kHz to 30 MHz	-46.16	-46.33	-29.02	-17.14
		30 MHz to 858 MHz	-41.47	-41.48	-19.02	-22.45
		858 MHz to 868 MHz	-30.02	-30.99	-19.02	-11.00
		895 MHz to 1 GHz	-34.94	-36.15	-19.02	-15.92
		1 GHz to 10 GHz	-24.84	-24.94	-19.02	-5.82
	3	9 kHz to 150 kHz	-61.39	-60.94	-39.02	-21.92
		150 kHz to 30 MHz	-45.69	-45.96	-29.02	-16.67
		30 MHz to 858 MHz	-40.81	-41.00	-19.02	-21.79
		858 MHz to 868 MHz	-30.79	-30.87	-19.02	-11.77
		895 MHz to 1 GHz	-35.60	-35.76	-19.02	-16.58
		1 GHz to 10 GHz	-23.25	-23.62	-19.02	-4.23

Table 8-294. Conducted Spurious Emission Summary Data (MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 269 of 394

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Middle	0	9 kHz to 150 kHz	-58.52	-39.02	-19.50
		150 kHz to 30 MHz	-50.15	-29.02	-21.13
		30 MHz to 858 MHz	-40.49	-19.02	-21.47
		858 MHz to 868 MHz	-27.23	-19.02	-8.21
		895 MHz to 1 GHz	-36.13	-19.02	-17.11
		1 GHz to 10 GHz	-23.08	-19.02	-4.06
	1	9 kHz to 150 kHz	-58.75	-39.02	-19.73
		150 kHz to 30 MHz	-49.32	-29.02	-20.30
		30 MHz to 858 MHz	-41.36	-19.02	-22.34
		858 MHz to 868 MHz	-27.02	-19.02	-8.00
		895 MHz to 1 GHz	-34.46	-19.02	-15.44
		1 GHz to 10 GHz	-23.68	-19.02	-4.66
	2	9 kHz to 150 kHz	-58.15	-39.02	-19.13
		150 kHz to 30 MHz	-50.76	-29.02	-21.74
		30 MHz to 858 MHz	-41.51	-19.02	-22.49
		858 MHz to 868 MHz	-27.49	-19.02	-8.47
		895 MHz to 1 GHz	-34.79	-19.02	-15.77
		1 GHz to 10 GHz	-24.94	-19.02	-5.92
	3	9 kHz to 150 kHz	-58.84	-39.02	-19.82
		150 kHz to 30 MHz	-50.02	-29.02	-21.00
		30 MHz to 858 MHz	-41.04	-19.02	-22.02
		858 MHz to 868 MHz	-29.13	-19.02	-10.11
		895 MHz to 1 GHz	-33.15	-19.02	-14.13
		1 GHz to 10 GHz	-23.64	-19.02	-4.62

Table 8-295. Conducted Spurious Emission Summary Data (MSR 2NC_NR n5_1C_5M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 270 of 394	

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-60.01	-59.51	-39.02	-20.49
			150 kHz to 30 MHz	-45.79	-44.81	-29.02	-15.78
			30 MHz to 858 MHz	-41.23	-41.03	-19.02	-22.01
			858 MHz to 868 MHz	-31.05	-31.96	-19.02	-12.03
			895 MHz to 1 GHz	-40.62	-40.56	-19.02	-21.53
			1 GHz to 10 GHz	-22.96	-23.09	-19.02	-3.93
		1	9 kHz to 150 kHz	-59.78	-59.60	-39.02	-20.58
			150 kHz to 30 MHz	-46.34	-44.78	-29.02	-15.76
			30 MHz to 858 MHz	-41.22	-41.43	-19.02	-22.20
			858 MHz to 868 MHz	-30.70	-30.42	-19.02	-11.40
			895 MHz to 1 GHz	-38.35	-38.93	-19.02	-19.33
			1 GHz to 10 GHz	-23.72	-23.92	-19.02	-4.70
		2	9 kHz to 150 kHz	-59.64	-59.68	-39.02	-20.62
			150 kHz to 30 MHz	-46.20	-44.54	-29.02	-15.52
			30 MHz to 858 MHz	-41.36	-41.32	-19.02	-22.30
			858 MHz to 868 MHz	-29.04	-28.46	-19.02	-9.44
			895 MHz to 1 GHz	-39.71	-39.77	-19.02	-20.69
			1 GHz to 10 GHz	-24.39	-24.96	-19.02	-5.37
		3	9 kHz to 150 kHz	-60.12	-59.77	-39.02	-20.75
			150 kHz to 30 MHz	-46.41	-44.53	-29.02	-15.51
			30 MHz to 858 MHz	-41.12	-41.10	-19.02	-22.08
			858 MHz to 868 MHz	-29.86	-30.10	-19.02	-10.84
			895 MHz to 1 GHz	-38.70	-40.40	-19.02	-19.68
			1 GHz to 10 GHz	-23.43	-23.62	-19.02	-4.40
	Middle	0	9 kHz to 150 kHz	-59.79	-59.54	-39.02	-20.52
			150 kHz to 30 MHz	-46.80	-47.79	-29.02	-17.78
			30 MHz to 858 MHz	-41.09	-41.06	-19.02	-22.03
			858 MHz to 868 MHz	-32.99	-32.31	-19.02	-13.29
			895 MHz to 1 GHz	-39.21	-39.16	-19.02	-20.14
			1 GHz to 10 GHz	-23.14	-23.09	-19.02	-4.06
		1	9 kHz to 150 kHz	-59.66	-59.60	-39.02	-20.58
			150 kHz to 30 MHz	-46.61	-47.47	-29.02	-17.59
			30 MHz to 858 MHz	-41.33	-41.25	-19.02	-22.23
			858 MHz to 868 MHz	-32.54	-32.81	-19.02	-13.52
			895 MHz to 1 GHz	-38.01	-38.35	-19.02	-18.99
			1 GHz to 10 GHz	-23.60	-23.77	-19.02	-4.58
LTE 9 :		2	9 kHz to 150 kHz	-59.66	-59.11	-39.02	-20.08

FCC ID: A3LRF4461D-13A				MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager	
Test Report S/N: 8K23040701-00-R2.A3L		Test Dates: 04/12/2023 - 05/26/2023		EUT Type: RRU(RF4461d)		Page 271 of 394			

NR 1			150 kHz to 30 MHz	-46.76	-48.09	-29.02	-17.74
			30 MHz to 858 MHz	-41.44	-41.40	-19.02	-22.38
			858 MHz to 868 MHz	-30.57	-31.53	-19.02	-11.55
			895 MHz to 1 GHz	-36.35	-37.56	-19.02	-17.33
			1 GHz to 10 GHz	-24.77	-24.87	-19.02	-5.75
		3	9 kHz to 150 kHz	-59.75	-59.19	-39.02	-20.17
			150 kHz to 30 MHz	-46.60	-47.72	-29.02	-17.58
			30 MHz to 858 MHz	-40.81	-41.07	-19.02	-21.79
			858 MHz to 868 MHz	-33.92	-33.16	-19.02	-14.14
			895 MHz to 1 GHz	-37.94	-36.81	-19.02	-17.79
			1 GHz to 10 GHz	-23.21	-22.97	-19.02	-3.95
	High	0	9 kHz to 150 kHz	-59.69	-59.40	-39.02	-20.38
			150 kHz to 30 MHz	-48.55	-48.81	-29.02	-19.53
			30 MHz to 858 MHz	-40.96	-41.18	-19.02	-21.94
			858 MHz to 868 MHz	-33.72	-33.95	-19.02	-14.69
			895 MHz to 1 GHz	-36.81	-37.55	-19.02	-17.79
			1 GHz to 10 GHz	-23.16	-22.97	-19.02	-3.95
		1	9 kHz to 150 kHz	-60.27	-59.81	-39.02	-20.79
			150 kHz to 30 MHz	-48.01	-48.83	-29.02	-18.99
			30 MHz to 858 MHz	-41.53	-41.34	-19.02	-22.32
			858 MHz to 868 MHz	-32.71	-33.57	-19.02	-13.69
			895 MHz to 1 GHz	-34.14	-36.68	-19.02	-15.11
			1 GHz to 10 GHz	-23.44	-23.34	-19.02	-4.32
		2	9 kHz to 150 kHz	-59.60	-59.72	-39.02	-20.58
			150 kHz to 30 MHz	-48.49	-48.23	-29.02	-19.21
			30 MHz to 858 MHz	-41.48	-41.36	-19.02	-22.34
			858 MHz to 868 MHz	-34.26	-35.65	-19.02	-15.24
			895 MHz to 1 GHz	-34.28	-34.89	-19.02	-15.26
			1 GHz to 10 GHz	-24.83	-24.73	-19.02	-5.71
		3	9 kHz to 150 kHz	-59.69	-59.91	-39.02	-20.67
			150 kHz to 30 MHz	-47.84	-48.46	-29.02	-18.82
			30 MHz to 858 MHz	-41.01	-40.99	-19.02	-21.96
			858 MHz to 868 MHz	-35.39	-35.72	-19.02	-16.37
			895 MHz to 1 GHz	-35.07	-34.78	-19.02	-15.76
			1 GHz to 10 GHz	-23.50	-23.76	-19.02	-4.48

**Table 8-296. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+NR
n5_1C_5M_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 272 of 394	

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-60.58	-59.70	-39.02	-20.68
			150 kHz to 30 MHz	-41.92	-39.65	-29.02	-10.63
			30 MHz to 858 MHz	-41.23	-40.97	-19.02	-21.95
			858 MHz to 868 MHz	-30.02	-29.94	-19.02	-10.92
			895 MHz to 1 GHz	-37.77	-37.86	-19.02	-18.75
			1 GHz to 10 GHz	-23.26	-22.99	-19.02	-3.97
		1	9 kHz to 150 kHz	-61.49	-59.48	-39.02	-20.46
			150 kHz to 30 MHz	-42.30	-39.58	-29.02	-10.56
			30 MHz to 858 MHz	-41.36	-41.14	-19.02	-22.12
			858 MHz to 868 MHz	-30.37	-28.45	-19.02	-9.43
			895 MHz to 1 GHz	-35.87	-35.08	-19.02	-16.06
			1 GHz to 10 GHz	-23.62	-23.54	-19.02	-4.52
		2	9 kHz to 150 kHz	-60.58	-59.81	-39.02	-20.79
			150 kHz to 30 MHz	-42.40	-39.44	-29.02	-10.42
			30 MHz to 858 MHz	-41.39	-41.51	-19.02	-22.37
			858 MHz to 868 MHz	-30.24	-30.18	-19.02	-11.16
			895 MHz to 1 GHz	-36.43	-35.47	-19.02	-16.45
			1 GHz to 10 GHz	-24.80	-24.35	-19.02	-5.33
		3	9 kHz to 150 kHz	-60.97	-59.90	-39.02	-20.88
			150 kHz to 30 MHz	-42.05	-39.44	-29.02	-10.42
			30 MHz to 858 MHz	-41.02	-41.15	-19.02	-22.00
			858 MHz to 868 MHz	-31.78	-31.15	-19.02	-12.13
			895 MHz to 1 GHz	-35.15	-35.49	-19.02	-16.13
			1 GHz to 10 GHz	-23.61	-23.65	-19.02	-4.59

Table 8-297. Conducted Spurious Emission Summary Data (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 273 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-59.83	-36.01	-23.82
			150 kHz to 30 MHz	-51.30	-26.01	-25.29
			30 MHz to 858 MHz	-40.92	-16.01	-24.91
			858 MHz to 868 MHz	-29.24	-16.01	-13.23
			895 MHz to 1 GHz	-37.45	-16.01	-21.44
			1 GHz to 10 GHz	-23.11	-16.01	-7.10
		1	9 kHz to 150 kHz	-60.30	-36.01	-24.29
			150 kHz to 30 MHz	-51.90	-26.01	-25.89
			30 MHz to 858 MHz	-41.36	-16.01	-25.35
			858 MHz to 868 MHz	-29.10	-16.01	-13.09
			895 MHz to 1 GHz	-35.00	-16.01	-18.99
			1 GHz to 10 GHz	-23.78	-16.01	-7.76
		2	9 kHz to 150 kHz	-59.81	-36.01	-23.80
			150 kHz to 30 MHz	-52.45	-26.01	-26.44
			30 MHz to 858 MHz	-41.49	-16.01	-25.48
			858 MHz to 868 MHz	-30.31	-16.01	-14.30
			895 MHz to 1 GHz	-36.06	-16.01	-20.05
			1 GHz to 10 GHz	-24.77	-16.01	-8.76
		3	9 kHz to 150 kHz	-59.91	-36.01	-23.90
			150 kHz to 30 MHz	-51.58	-26.01	-25.56
			30 MHz to 858 MHz	-41.07	-16.01	-25.06
			858 MHz to 868 MHz	-31.76	-16.01	-15.75
			895 MHz to 1 GHz	-36.11	-16.01	-20.10
			1 GHz to 10 GHz	-23.53	-16.01	-7.52

Table 8-298. Conducted Spurious Emission Summary Data (MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 274 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Low	0	9 kHz to 150 kHz	-60.44	-60.09	-39.02	-21.07
			150 kHz to 30 MHz	-52.93	-52.64	-29.02	-23.62
			30 MHz to 858 MHz	-41.00	-41.21	-19.02	-21.98
			858 MHz to 868 MHz	-31.31	-30.96	-19.02	-11.94
			895 MHz to 1 GHz	-39.36	-38.83	-19.02	-19.81
			1 GHz to 10 GHz	-23.22	-23.14	-19.02	-4.12
		1	9 kHz to 150 kHz	-59.79	-60.34	-39.02	-20.77
			150 kHz to 30 MHz	-52.03	-52.11	-29.02	-23.01
			30 MHz to 858 MHz	-41.02	-41.33	-19.02	-22.00
			858 MHz to 868 MHz	-30.42	-30.63	-19.02	-11.40
			895 MHz to 1 GHz	-37.61	-37.42	-19.02	-18.39
			1 GHz to 10 GHz	-23.86	-23.40	-19.02	-4.38
		2	9 kHz to 150 kHz	-60.11	-60.13	-39.02	-21.09
			150 kHz to 30 MHz	-52.54	-52.53	-29.02	-23.51
			30 MHz to 858 MHz	-41.34	-41.60	-19.02	-22.32
			858 MHz to 868 MHz	-29.73	-29.77	-19.02	-10.71
			895 MHz to 1 GHz	-36.83	-37.88	-19.02	-17.81
			1 GHz to 10 GHz	-24.77	-24.51	-19.02	-5.49
		3	9 kHz to 150 kHz	-60.16	-60.32	-39.02	-21.14
			150 kHz to 30 MHz	-51.36	-52.22	-29.02	-22.34
			30 MHz to 858 MHz	-40.99	-40.89	-19.02	-21.87
			858 MHz to 868 MHz	-31.52	-31.07	-19.02	-12.05
			895 MHz to 1 GHz	-37.56	-37.20	-19.02	-18.18
			1 GHz to 10 GHz	-23.68	-23.91	-19.02	-4.66
	Middle	0	9 kHz to 150 kHz	-60.69	-60.15	-39.02	-21.13
			150 kHz to 30 MHz	-52.09	-52.66	-29.02	-23.07
			30 MHz to 858 MHz	-41.17	-41.34	-19.02	-22.15
			858 MHz to 868 MHz	-31.98	-32.60	-19.02	-12.96
			895 MHz to 1 GHz	-38.70	-38.43	-19.02	-19.41
			1 GHz to 10 GHz	-23.26	-23.06	-19.02	-4.04
		1	9 kHz to 150 kHz	-60.56	-60.31	-39.02	-21.29
			150 kHz to 30 MHz	-51.93	-51.79	-29.02	-22.77
			30 MHz to 858 MHz	-41.13	-41.28	-19.02	-22.11
			858 MHz to 868 MHz	-32.19	-32.04	-19.02	-13.02
			895 MHz to 1 GHz	-36.97	-37.23	-19.02	-17.95
			1 GHz to 10 GHz	-23.56	-22.99	-19.02	-3.97

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 275 of 394

LTE 9 : NR 1		2	9 kHz to 150 kHz	-59.90	-60.43	-39.02	-20.88
			150 kHz to 30 MHz	-52.20	-51.87	-29.02	-22.85
			30 MHz to 858 MHz	-41.56	-41.43	-19.02	-22.41
			858 MHz to 868 MHz	-30.91	-31.34	-19.02	-11.89
			895 MHz to 1 GHz	-36.15	-35.52	-19.02	-16.50
			1 GHz to 10 GHz	-24.75	-24.67	-19.02	-5.65
		3	9 kHz to 150 kHz	-60.13	-59.94	-39.02	-20.92
			150 kHz to 30 MHz	-51.55	-51.88	-29.02	-22.53
			30 MHz to 858 MHz	-40.87	-40.85	-19.02	-21.83
			858 MHz to 868 MHz	-31.37	-31.49	-19.02	-12.35
			895 MHz to 1 GHz	-36.86	-35.58	-19.02	-16.56
			1 GHz to 10 GHz	-23.32	-23.27	-19.02	-4.25
	High	0	9 kHz to 150 kHz	-60.65	-60.47	-39.02	-21.45
			150 kHz to 30 MHz	-52.13	-52.93	-29.02	-23.11
			30 MHz to 858 MHz	-41.10	-41.10	-19.02	-22.08
			858 MHz to 868 MHz	-32.48	-32.12	-19.02	-13.10
			895 MHz to 1 GHz	-38.91	-38.42	-19.02	-19.40
			1 GHz to 10 GHz	-23.03	-23.03	-19.02	-4.01
		1	9 kHz to 150 kHz	-60.33	-60.12	-39.02	-21.10
			150 kHz to 30 MHz	-51.86	-52.45	-29.02	-22.84
			30 MHz to 858 MHz	-41.13	-40.64	-19.02	-21.62
			858 MHz to 868 MHz	-33.09	-32.22	-19.02	-13.20
			895 MHz to 1 GHz	-37.40	-36.92	-19.02	-17.90
			1 GHz to 10 GHz	-23.72	-23.77	-19.02	-4.70
		2	9 kHz to 150 kHz	-60.06	-59.71	-39.02	-20.69
			150 kHz to 30 MHz	-51.90	-52.63	-29.02	-22.88
			30 MHz to 858 MHz	-41.32	-41.41	-19.02	-22.30
			858 MHz to 868 MHz	-31.72	-32.21	-19.02	-12.70
			895 MHz to 1 GHz	-35.77	-34.99	-19.02	-15.97
			1 GHz to 10 GHz	-24.65	-24.69	-19.02	-5.63
		3	9 kHz to 150 kHz	-59.87	-60.20	-39.02	-20.85
			150 kHz to 30 MHz	-52.43	-51.67	-29.02	-22.65
			30 MHz to 858 MHz	-41.11	-41.10	-19.02	-22.08
			858 MHz to 868 MHz	-32.53	-32.84	-19.02	-13.51
			895 MHz to 1 GHz	-33.66	-35.39	-19.02	-14.64
			1 GHz to 10 GHz	-23.59	-23.37	-19.02	-4.35

**Table 8-299. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_1C_10M+NR
n5_1C_5M+LTE B5_1C_5M_4T)**

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 276 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
				QPSK	16QAM		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-61.70	-55.36	-39.02	-16.34
			150 kHz to 30 MHz	-51.60	-52.26	-29.02	-22.58
			30 MHz to 858 MHz	-41.26	-41.16	-19.02	-22.14
			858 MHz to 868 MHz	-30.76	-32.09	-19.02	-11.74
			895 MHz to 1 GHz	-38.45	-39.44	-19.02	-19.43
			1 GHz to 10 GHz	-23.25	-23.23	-19.02	-4.21
		1	9 kHz to 150 kHz	-61.98	-55.86	-39.02	-16.84
			150 kHz to 30 MHz	-51.95	-52.51	-29.02	-22.93
			30 MHz to 858 MHz	-41.35	-41.30	-19.02	-22.28
			858 MHz to 868 MHz	-31.32	-30.80	-19.02	-11.78
			895 MHz to 1 GHz	-36.39	-36.58	-19.02	-17.37
			1 GHz to 10 GHz	-23.40	-23.79	-19.02	-4.38
		2	9 kHz to 150 kHz	-61.70	-55.82	-39.02	-16.80
			150 kHz to 30 MHz	-51.79	-51.65	-29.02	-22.63
			30 MHz to 858 MHz	-41.50	-41.51	-19.02	-22.48
			858 MHz to 868 MHz	-30.87	-30.84	-19.02	-11.82
			895 MHz to 1 GHz	-34.96	-36.65	-19.02	-15.94
			1 GHz to 10 GHz	-24.80	-24.60	-19.02	-5.58
		3	9 kHz to 150 kHz	-61.75	-55.67	-39.02	-16.65
			150 kHz to 30 MHz	-52.68	-51.97	-29.02	-22.95
			30 MHz to 858 MHz	-40.84	-40.74	-19.02	-21.72
			858 MHz to 868 MHz	-31.59	-31.28	-19.02	-12.26
			895 MHz to 1 GHz	-35.63	-35.51	-19.02	-16.49
			1 GHz to 10 GHz	-23.44	-23.61	-19.02	-4.42

Table 8-300. Conducted Spurious Emission Summary Data (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 277 of 394

DSS Ratio	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 9 : NR 1	Middle	0	9 kHz to 150 kHz	-60.34	-39.02	-21.32
			150 kHz to 30 MHz	-52.05	-29.02	-23.03
			30 MHz to 858 MHz	-40.60	-19.02	-21.58
			858 MHz to 868 MHz	-29.70	-19.02	-10.68
			895 MHz to 1 GHz	-37.80	-19.02	-18.78
			1 GHz to 10 GHz	-23.22	-19.02	-4.20
		1	9 kHz to 150 kHz	-60.77	-39.02	-21.74
			150 kHz to 30 MHz	-52.04	-29.02	-23.02
			30 MHz to 858 MHz	-41.38	-19.02	-22.35
			858 MHz to 868 MHz	-30.08	-19.02	-11.06
			895 MHz to 1 GHz	-35.80	-19.02	-16.78
			1 GHz to 10 GHz	-23.68	-19.02	-4.65
		2	9 kHz to 150 kHz	-60.32	-39.02	-21.30
			150 kHz to 30 MHz	-51.47	-29.02	-22.44
			30 MHz to 858 MHz	-41.44	-19.02	-22.42
			858 MHz to 868 MHz	-30.88	-19.02	-11.85
			895 MHz to 1 GHz	-35.03	-19.02	-16.01
			1 GHz to 10 GHz	-24.59	-19.02	-5.57
		3	9 kHz to 150 kHz	-59.94	-39.02	-20.92
			150 kHz to 30 MHz	-52.94	-29.02	-23.91
			30 MHz to 858 MHz	-40.81	-19.02	-21.79
			858 MHz to 868 MHz	-31.39	-19.02	-12.37
			895 MHz to 1 GHz	-35.07	-19.02	-16.05
			1 GHz to 10 GHz	-23.57	-19.02	-4.55

Table 8-301. Conducted Spurious Emission Summary Data (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 278 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-56.97	-56.85	-57.18	-56.88	-39.02	-17.83
		150 kHz to 30 MHz	-49.38	-48.93	-49.59	-49.34	-29.02	-19.91
		30 MHz to 735 MHz	-42.23	-41.95	-42.12	-42.11	-19.02	-22.93
		735 MHz to 745.9 MHz	-30.22	-22.21	-30.22	-30.43	-19.02	-3.19
		756.1 MHz to 1 GHz	-35.44	-33.19	-35.50	-36.41	-19.02	-14.17
		1 GHz to 10 GHz	-23.49	-23.08	-23.48	-23.25	-19.02	-4.06
	1	9 kHz to 150 kHz	-57.68	-57.30	-57.86	-57.24	-39.02	-18.22
		150 kHz to 30 MHz	-49.69	-49.17	-49.33	-49.26	-29.02	-20.15
		30 MHz to 735 MHz	-41.96	-42.11	-41.69	-42.06	-19.02	-22.67
		735 MHz to 745.9 MHz	-30.50	-31.28	-29.85	-30.71	-19.02	-10.83
		756.1 MHz to 1 GHz	-36.56	-36.23	-36.40	-36.71	-19.02	-17.21
		1 GHz to 10 GHz	-23.99	-24.08	-23.61	-23.89	-19.02	-4.59
	2	9 kHz to 150 kHz	-57.00	-57.11	-57.29	-56.30	-39.02	-17.28
		150 kHz to 30 MHz	-49.37	-49.00	-49.15	-48.89	-29.02	-19.87
		30 MHz to 735 MHz	-42.27	-42.18	-42.54	-42.27	-19.02	-23.16
		735 MHz to 745.9 MHz	-31.27	-30.13	-30.84	-30.78	-19.02	-11.11
		756.1 MHz to 1 GHz	-35.78	-35.02	-35.78	-36.01	-19.02	-16.00
		1 GHz to 10 GHz	-25.14	-24.85	-25.37	-25.17	-19.02	-5.83
	3	9 kHz to 150 kHz	-57.10	-56.85	-56.94	-57.44	-39.02	-17.83
		150 kHz to 30 MHz	-49.55	-48.78	-48.81	-49.82	-29.02	-19.76
		30 MHz to 735 MHz	-41.57	-41.87	-41.84	-41.93	-19.02	-22.55
		735 MHz to 745.9 MHz	-30.07	-29.83	-30.03	-30.15	-19.02	-10.81
		756.1 MHz to 1 GHz	-34.34	-35.64	-35.05	-35.33	-19.02	-15.32
		1 GHz to 10 GHz	-24.22	-24.06	-23.81	-24.08	-19.02	-4.79
Middle	0	9 kHz to 150 kHz	-56.78	-56.95	-56.84	-56.38	-39.02	-17.36
		150 kHz to 30 MHz	-48.84	-47.88	-49.28	-48.66	-29.02	-18.86
		30 MHz to 735 MHz	-42.25	-42.10	-42.14	-41.91	-19.02	-22.89
		735 MHz to 745.9 MHz	-32.86	-34.76	-34.49	-35.16	-19.02	-13.84
		756.1 MHz to 1 GHz	-33.59	-34.08	-34.91	-35.48	-19.02	-14.57
		1 GHz to 10 GHz	-23.28	-23.60	-22.90	-23.50	-19.02	-3.88
	1	9 kHz to 150 kHz	-57.30	-57.24	-57.66	-56.85	-39.02	-17.83
		150 kHz to 30 MHz	-49.68	-49.18	-49.28	-48.94	-29.02	-19.92
		30 MHz to 735 MHz	-42.10	-42.29	-41.96	-42.14	-19.02	-22.94
		735 MHz to 745.9 MHz	-35.77	-35.46	-34.95	-35.45	-19.02	-15.93
		756.1 MHz to 1 GHz	-36.24	-34.97	-35.79	-35.76	-19.02	-15.95
		1 GHz to 10 GHz	-24.04	-23.95	-23.79	-24.11	-19.02	-4.77

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 279 of 394

	2	9 kHz to 150 kHz	-56.70	-56.94	-57.00	-56.95	-39.02	-17.68
		150 kHz to 30 MHz	-49.27	-48.10	-49.13	-49.06	-29.02	-19.08
		30 MHz to 735 MHz	-42.13	-42.50	-42.12	-41.78	-19.02	-22.76
		735 MHz to 745.9 MHz	-34.77	-34.33	-34.40	-33.53	-19.02	-14.51
		756.1 MHz to 1 GHz	-35.26	-34.65	-34.57	-33.47	-19.02	-14.45
		1 GHz to 10 GHz	-25.18	-24.87	-24.87	-25.15	-19.02	-5.85
	3	9 kHz to 150 kHz	-57.11	-56.99	-57.14	-56.77	-39.02	-17.75
		150 kHz to 30 MHz	-49.09	-48.42	-49.74	-49.69	-29.02	-19.40
		30 MHz to 735 MHz	-41.95	-41.90	-41.67	-41.72	-19.02	-22.65
		735 MHz to 745.9 MHz	-34.55	-34.07	-34.26	-33.04	-19.02	-14.02
		756.1 MHz to 1 GHz	-34.25	-34.56	-33.61	-33.28	-19.02	-14.26
		1 GHz to 10 GHz	-23.89	-23.84	-24.16	-23.83	-19.02	-4.81
High	0	9 kHz to 150 kHz	-56.81	-56.64	-56.89	-56.53	-39.02	-17.51
		150 kHz to 30 MHz	-48.92	-48.07	-48.93	-49.05	-29.02	-19.05
		30 MHz to 735 MHz	-42.15	-42.07	-42.16	-42.49	-19.02	-23.05
		735 MHz to 745.9 MHz	-35.64	-34.49	-35.22	-35.31	-19.02	-15.47
		756.1 MHz to 1 GHz	-23.35	-23.12	-23.39	-24.22	-19.02	-4.10
		1 GHz to 10 GHz	-23.50	-23.66	-23.09	-23.01	-19.02	-3.99
	1	9 kHz to 150 kHz	-56.82	-57.08	-57.47	-56.10	-39.02	-17.08
		150 kHz to 30 MHz	-49.72	-48.28	-49.30	-49.81	-29.02	-19.26
		30 MHz to 735 MHz	-42.12	-42.30	-42.07	-42.19	-19.02	-23.05
		735 MHz to 745.9 MHz	-36.03	-36.24	-35.89	-36.14	-19.02	-16.87
		756.1 MHz to 1 GHz	-23.31	-24.49	-23.85	-23.14	-19.02	-4.12
		1 GHz to 10 GHz	-24.09	-24.01	-24.11	-24.24	-19.02	-4.99
	2	9 kHz to 150 kHz	-56.69	-56.80	-56.71	-56.63	-39.02	-17.61
		150 kHz to 30 MHz	-49.46	-48.77	-48.72	-48.74	-29.02	-19.70
		30 MHz to 735 MHz	-42.41	-42.33	-42.35	-42.51	-19.02	-23.31
		735 MHz to 745.9 MHz	-35.96	-36.06	-35.42	-35.04	-19.02	-16.02
		756.1 MHz to 1 GHz	-23.11	-24.01	-24.91	-22.78	-19.02	-3.76
		1 GHz to 10 GHz	-25.15	-24.91	-25.24	-25.19	-19.02	-5.89
	3	9 kHz to 150 kHz	-56.72	-56.76	-57.24	-56.67	-39.02	-17.65
		150 kHz to 30 MHz	-49.46	-48.33	-49.27	-49.24	-29.02	-19.31
		30 MHz to 735 MHz	-41.78	-41.56	-41.93	-41.96	-19.02	-22.54
		735 MHz to 745.9 MHz	-35.28	-35.52	-35.85	-35.28	-19.02	-16.26
		756.1 MHz to 1 GHz	-24.51	-24.10	-24.55	-22.35	-19.02	-3.33
		1 GHz to 10 GHz	-23.69	-24.06	-24.18	-23.72	-19.02	-4.67

Table 8-302. Conducted Spurious Emission Summary Data (LTE B13_1C_5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 280 of 394

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-55.32	-54.19	-54.74	-55.21	-39.02	-15.17
		150 kHz to 30 MHz	-46.34	-46.51	-46.68	-47.16	-29.02	-17.32
		30 MHz to 735 MHz	-41.89	-42.04	-41.71	-42.13	-19.02	-22.69
		735 MHz to 745.9 MHz	-30.39	-29.97	-30.43	-30.47	-19.02	-10.95
		756.1 MHz to 1 GHz	-26.57	-27.23	-27.72	-27.27	-19.02	-7.55
		1 GHz to 10 GHz	-29.51	-29.73	-29.50	-29.46	-19.02	-10.44
	1	9 kHz to 150 kHz	-54.91	-54.48	-54.71	-55.23	-39.02	-15.46
		150 kHz to 30 MHz	-46.72	-47.16	-47.34	-47.69	-29.02	-17.70
		30 MHz to 735 MHz	-41.82	-42.17	-42.08	-41.93	-19.02	-22.80
		735 MHz to 745.9 MHz	-29.86	-29.73	-30.58	-30.28	-19.02	-10.71
		756.1 MHz to 1 GHz	-26.44	-27.23	-27.23	-27.64	-19.02	-7.42
		1 GHz to 10 GHz	-30.06	-30.18	-30.30	-30.31	-19.02	-11.04
	2	9 kHz to 150 kHz	-54.99	-53.65	-53.74	-55.08	-39.02	-14.63
		150 kHz to 30 MHz	-46.28	-46.74	-46.63	-47.12	-29.02	-17.26
		30 MHz to 735 MHz	-42.17	-42.06	-42.30	-42.05	-19.02	-23.03
		735 MHz to 745.9 MHz	-30.05	-30.02	-29.65	-29.23	-19.02	-10.21
		756.1 MHz to 1 GHz	-27.87	-27.48	-26.53	-27.14	-19.02	-7.51
		1 GHz to 10 GHz	-30.81	-31.22	-31.24	-31.25	-19.02	-11.79
	3	9 kHz to 150 kHz	-55.11	-54.35	-54.86	-55.16	-39.02	-15.33
		150 kHz to 30 MHz	-46.14	-46.98	-47.13	-47.16	-29.02	-17.12
		30 MHz to 735 MHz	-41.71	-41.78	-41.81	-41.86	-19.02	-22.69
		735 MHz to 745.9 MHz	-30.37	-30.13	-30.52	-29.94	-19.02	-10.92
		756.1 MHz to 1 GHz	-26.68	-26.77	-26.42	-28.51	-19.02	-7.40
		1 GHz to 10 GHz	-30.07	-29.88	-30.17	-29.95	-19.02	-10.86

Table 8-303. Conducted Spurious Emission Summary Data (LTE B13_1C_10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 281 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	9 kHz to 150 kHz	-54.45	-53.90	-39.02	-14.88
		150 kHz to 30 MHz	-46.53	-45.07	-29.02	-16.05
		30 MHz to 735 MHz	-42.03	-41.97	-19.02	-22.95
		735 MHz to 745.9 MHz	-28.90	-29.07	-19.02	-9.88
		756.1 MHz to 1 GHz	-21.92	-24.49	-19.02	-2.90
		1 GHz to 10 GHz	-23.57	-23.12	-19.02	-4.10
	1	9 kHz to 150 kHz	-55.09	-55.03	-39.02	-16.01
		150 kHz to 30 MHz	-46.92	-46.27	-29.02	-17.25
		30 MHz to 735 MHz	-42.02	-42.09	-19.02	-23.00
		735 MHz to 745.9 MHz	-28.77	-28.62	-19.02	-9.60
		756.1 MHz to 1 GHz	-23.82	-23.80	-19.02	-4.78
		1 GHz to 10 GHz	-24.08	-23.60	-19.02	-4.58
	2	9 kHz to 150 kHz	-54.73	-54.45	-39.02	-15.43
		150 kHz to 30 MHz	-47.04	-45.08	-29.02	-16.06
		30 MHz to 735 MHz	-42.16	-41.92	-19.02	-22.90
		735 MHz to 745.9 MHz	-29.14	-29.88	-19.02	-10.12
		756.1 MHz to 1 GHz	-22.40	-22.02	-19.02	-3.00
		1 GHz to 10 GHz	-25.16	-25.29	-19.02	-6.14
	3	9 kHz to 150 kHz	-55.45	-55.15	-39.02	-16.13
		150 kHz to 30 MHz	-47.14	-45.71	-29.02	-16.69
		30 MHz to 735 MHz	-42.00	-41.53	-19.02	-22.51
		735 MHz to 745.9 MHz	-29.70	-29.11	-19.02	-10.09
		756.1 MHz to 1 GHz	-22.71	-24.24	-19.02	-3.69
		1 GHz to 10 GHz	-24.08	-23.70	-19.02	-4.68

Table 8-304. Conducted Spurious Emission Summary Data (LTE B13_2C_5M+5M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 282 of 394

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Low	0	9 kHz to 150 kHz	-56.53	-39.02	-17.51
		150 kHz to 30 MHz	-48.78	-29.02	-19.76
		30 MHz to 735 MHz	-41.68	-19.02	-22.66
		735 MHz to 745.9 MHz	-29.00	-19.02	-9.98
		756.1 MHz to 1 GHz	-35.33	-19.02	-16.31
		1 GHz to 10 GHz	-29.24	-19.02	-10.22
	1	9 kHz to 150 kHz	-56.70	-39.02	-17.68
		150 kHz to 30 MHz	-49.51	-29.02	-20.49
		30 MHz to 735 MHz	-42.11	-19.02	-23.09
		735 MHz to 745.9 MHz	-30.62	-19.02	-11.60
		756.1 MHz to 1 GHz	-35.71	-19.02	-16.69
		1 GHz to 10 GHz	-30.08	-19.02	-11.06
	2	9 kHz to 150 kHz	-56.88	-39.02	-17.86
		150 kHz to 30 MHz	-48.72	-29.02	-19.70
		30 MHz to 735 MHz	-42.54	-19.02	-23.52
		735 MHz to 745.9 MHz	-30.31	-19.02	-11.29
		756.1 MHz to 1 GHz	-36.26	-19.02	-17.24
		1 GHz to 10 GHz	-31.23	-19.02	-12.21
	3	9 kHz to 150 kHz	-56.18	-39.02	-17.16
		150 kHz to 30 MHz	-48.93	-29.02	-19.91
		30 MHz to 735 MHz	-41.92	-19.02	-22.90
		735 MHz to 745.9 MHz	-29.47	-19.02	-10.45
		756.1 MHz to 1 GHz	-35.46	-19.02	-16.44
		1 GHz to 10 GHz	-30.06	-19.02	-11.04
Middle	0	9 kHz to 150 kHz	-56.64	-39.02	-17.62
		150 kHz to 30 MHz	-49.05	-29.02	-20.03
		30 MHz to 735 MHz	-42.35	-19.02	-23.33
		735 MHz to 745.9 MHz	-34.25	-19.02	-15.23
		756.1 MHz to 1 GHz	-33.89	-19.02	-14.87
		1 GHz to 10 GHz	-29.24	-19.02	-10.22
	1	9 kHz to 150 kHz	-57.01	-39.02	-17.99
		150 kHz to 30 MHz	-48.45	-29.02	-19.43
		30 MHz to 735 MHz	-42.28	-19.02	-23.26
		735 MHz to 745.9 MHz	-33.52	-19.02	-14.50
		756.1 MHz to 1 GHz	-33.29	-19.02	-14.27
		1 GHz to 10 GHz	-29.86	-19.02	-10.84

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 283 of 394	

	2	9 kHz to 150 kHz	-56.68	-39.02	-17.66
		150 kHz to 30 MHz	-48.99	-29.02	-19.97
		30 MHz to 735 MHz	-42.37	-19.02	-23.35
		735 MHz to 745.9 MHz	-34.19	-19.02	-15.17
		756.1 MHz to 1 GHz	-33.71	-19.02	-14.69
		1 GHz to 10 GHz	-31.49	-19.02	-12.47
	3	9 kHz to 150 kHz	-56.64	-39.02	-17.62
		150 kHz to 30 MHz	-48.87	-29.02	-19.85
		30 MHz to 735 MHz	-41.81	-19.02	-22.79
		735 MHz to 745.9 MHz	-33.96	-19.02	-14.94
		756.1 MHz to 1 GHz	-34.18	-19.02	-15.16
		1 GHz to 10 GHz	-30.05	-19.02	-11.03
High	0	9 kHz to 150 kHz	-56.40	-39.02	-17.38
		150 kHz to 30 MHz	-48.94	-29.02	-19.92
		30 MHz to 735 MHz	-42.20	-19.02	-23.18
		735 MHz to 745.9 MHz	-34.51	-19.02	-15.49
		756.1 MHz to 1 GHz	-21.90	-19.02	-2.88
		1 GHz to 10 GHz	-29.35	-19.02	-10.33
	1	9 kHz to 150 kHz	-56.40	-39.02	-17.38
		150 kHz to 30 MHz	-48.72	-29.02	-19.70
		30 MHz to 735 MHz	-41.81	-19.02	-22.79
		735 MHz to 745.9 MHz	-35.01	-19.02	-15.99
		756.1 MHz to 1 GHz	-22.27	-19.02	-3.25
		1 GHz to 10 GHz	-30.25	-19.02	-11.23
	2	9 kHz to 150 kHz	-56.70	-39.02	-17.68
		150 kHz to 30 MHz	-48.74	-29.02	-19.72
		30 MHz to 735 MHz	-42.07	-19.02	-23.05
		735 MHz to 745.9 MHz	-34.94	-19.02	-15.92
		756.1 MHz to 1 GHz	-23.31	-19.02	-4.29
		1 GHz to 10 GHz	-31.10	-19.02	-12.08
	3	9 kHz to 150 kHz	-56.02	-39.02	-17.00
		150 kHz to 30 MHz	-49.11	-29.02	-20.09
		30 MHz to 735 MHz	-41.94	-19.02	-22.92
		735 MHz to 745.9 MHz	-33.91	-19.02	-14.89
		756.1 MHz to 1 GHz	-22.31	-19.02	-3.29
		1 GHz to 10 GHz	-29.66	-19.02	-10.64

Table 8-305. Conducted Spurious Emission Summary Data (LTE B13_1C_5M+NB-IoT_In-Bnad_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 284 of 394	

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 10M 1C + NB-IoT 2 Guard-Band	Middle	0	9 kHz to 150 kHz	-48.64	-39.02	-9.62
			150 kHz to 30 MHz	-37.24	-29.02	-8.22
			30 MHz to 735 MHz	-42.43	-19.02	-23.41
			735 MHz to 745.9 MHz	-27.21	-19.02	-8.19
			756.1 MHz to 1 GHz	-20.58	-19.02	-1.56
			1 GHz to 10 GHz	-29.32	-19.02	-10.30
		1	9 kHz to 150 kHz	-49.68	-39.02	-10.66
			150 kHz to 30 MHz	-38.23	-29.02	-9.21
			30 MHz to 735 MHz	-42.44	-19.02	-23.42
			735 MHz to 745.9 MHz	-27.21	-19.02	-8.19
			756.1 MHz to 1 GHz	-22.03	-19.02	-3.01
			1 GHz to 10 GHz	-30.00	-19.02	-10.98
		2	9 kHz to 150 kHz	-48.99	-39.02	-9.97
			150 kHz to 30 MHz	-37.79	-29.02	-8.77
			30 MHz to 735 MHz	-42.77	-19.02	-23.75
			735 MHz to 745.9 MHz	-27.72	-19.02	-8.70
			756.1 MHz to 1 GHz	-22.16	-19.02	-3.14
			1 GHz to 10 GHz	-31.05	-19.02	-12.03
		3	9 kHz to 150 kHz	-49.85	-39.02	-10.83
			150 kHz to 30 MHz	-38.24	-29.02	-9.22
			30 MHz to 735 MHz	-42.36	-19.02	-23.34
			735 MHz to 745.9 MHz	-26.01	-19.02	-6.99
			756.1 MHz to 1 GHz	-22.20	-19.02	-3.18
			1 GHz to 10 GHz	-30.07	-19.02	-11.05
LTE 10M 1C + NB-IoT 1 Guard-Band 1 In-Band	Middle	0	9 kHz to 150 kHz	-49.70	-39.02	-10.68
			150 kHz to 30 MHz	-44.56	-29.02	-15.54
			30 MHz to 735 MHz	-42.27	-19.02	-23.25
			735 MHz to 745.9 MHz	-27.50	-19.02	-8.48
			756.1 MHz to 1 GHz	-25.45	-19.02	-6.43
			1 GHz to 10 GHz	-29.40	-19.02	-10.38
		1	9 kHz to 150 kHz	-49.33	-39.02	-10.31
			150 kHz to 30 MHz	-45.84	-29.02	-16.82
			30 MHz to 735 MHz	-42.51	-19.02	-23.49
			735 MHz to 745.9 MHz	-27.29	-19.02	-8.27
			756.1 MHz to 1 GHz	-27.12	-19.02	-8.10
			1 GHz to 10 GHz	-30.11	-19.02	-11.09

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 285 of 394	

		2	9 kHz to 150 kHz	-48.63	-39.02	-9.61
			150 kHz to 30 MHz	-43.98	-29.02	-14.96
			30 MHz to 735 MHz	-42.76	-19.02	-23.74
			735 MHz to 745.9 MHz	-27.48	-19.02	-8.46
			756.1 MHz to 1 GHz	-27.85	-19.02	-8.83
			1 GHz to 10 GHz	-31.31	-19.02	-12.29
		3	9 kHz to 150 kHz	-51.13	-39.02	-12.11
			150 kHz to 30 MHz	-44.57	-29.02	-15.55
			30 MHz to 735 MHz	-42.29	-19.02	-23.27
			735 MHz to 745.9 MHz	-26.35	-19.02	-7.33
			756.1 MHz to 1 GHz	-25.94	-19.02	-6.92
			1 GHz to 10 GHz	-29.92	-19.02	-10.90
LTE 10M 1C + NB-IoT 1 In-Band 1 Guard-Band	Middle	0	9 kHz to 150 kHz	-49.11	-39.02	-10.09
			150 kHz to 30 MHz	-44.87	-29.02	-15.85
			30 MHz to 735 MHz	-42.35	-19.02	-23.33
			735 MHz to 745.9 MHz	-28.91	-19.02	-9.89
			756.1 MHz to 1 GHz	-22.41	-19.02	-3.39
			1 GHz to 10 GHz	-29.34	-19.02	-10.32
		1	9 kHz to 150 kHz	-49.90	-39.02	-10.88
			150 kHz to 30 MHz	-46.35	-29.02	-17.33
			30 MHz to 735 MHz	-42.45	-19.02	-23.43
			735 MHz to 745.9 MHz	-28.51	-19.02	-9.49
			756.1 MHz to 1 GHz	-22.42	-19.02	-3.40
			1 GHz to 10 GHz	-30.19	-19.02	-11.17
		2	9 kHz to 150 kHz	-49.77	-39.02	-10.75
			150 kHz to 30 MHz	-46.31	-29.02	-17.29
			30 MHz to 735 MHz	-42.60	-19.02	-23.58
			735 MHz to 745.9 MHz	-28.74	-19.02	-9.72
			756.1 MHz to 1 GHz	-21.93	-19.02	-2.91
			1 GHz to 10 GHz	-30.96	-19.02	-11.94
		3	9 kHz to 150 kHz	-49.37	-39.02	-10.35
			150 kHz to 30 MHz	-45.48	-29.02	-16.46
			30 MHz to 735 MHz	-42.16	-19.02	-23.14
			735 MHz to 745.9 MHz	-27.05	-19.02	-8.03
			756.1 MHz to 1 GHz	-22.26	-19.02	-3.24
			1 GHz to 10 GHz	-29.94	-19.02	-10.92

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 286 of 394

LTE 10M 1C + NB-IoT 2 In-Band	Middle	0	9 kHz to 150 kHz	-51.98	-39.02	-12.96
			150 kHz to 30 MHz	-43.76	-29.02	-14.74
			30 MHz to 735 MHz	-41.99	-19.02	-22.97
			735 MHz to 745.9 MHz	-29.22	-19.02	-10.20
			756.1 MHz to 1 GHz	-25.59	-19.02	-6.57
			1 GHz to 10 GHz	-29.23	-19.02	-10.21
		1	9 kHz to 150 kHz	-51.30	-39.02	-12.28
			150 kHz to 30 MHz	-43.83	-29.02	-14.81
			30 MHz to 735 MHz	-41.88	-19.02	-22.86
			735 MHz to 745.9 MHz	-29.08	-19.02	-10.06
			756.1 MHz to 1 GHz	-25.99	-19.02	-6.97
			1 GHz to 10 GHz	-30.05	-19.02	-11.03
		2	9 kHz to 150 kHz	-51.89	-39.02	-12.87
			150 kHz to 30 MHz	-43.43	-29.02	-14.41
			30 MHz to 735 MHz	-42.20	-19.02	-23.18
			735 MHz to 745.9 MHz	-28.40	-19.02	-9.38
			756.1 MHz to 1 GHz	-25.99	-19.02	-6.97
			1 GHz to 10 GHz	-31.20	-19.02	-12.18
		3	9 kHz to 150 kHz	-51.30	-39.02	-12.28
			150 kHz to 30 MHz	-43.29	-29.02	-14.27
			30 MHz to 735 MHz	-41.81	-19.02	-22.79
			735 MHz to 745.9 MHz	-27.66	-19.02	-8.64
			756.1 MHz to 1 GHz	-25.17	-19.02	-6.15
			1 GHz to 10 GHz	-30.28	-19.02	-11.26

Table 8-306. Conducted Spurious Emission Summary Data (LTE B13_1C_10M+NB-IoT_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 287 of 394

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
B13 LTE 10M 1C+ NB-IoT 2 Guard-Band + B5 LTE 10M 1C	Middle + Low	0	9 kHz to 150 kHz	-48.72	-39.02	-9.70
			150 kHz to 30 MHz	-38.32	-29.02	-9.30
			30 MHz to 735 MHz	-42.32	-19.02	-23.30
			735 MHz to 745.9 MHz	-27.53	-19.02	-8.51
			756.1 MHz to 868 MHz	-22.37	-19.02	-3.35
			895 MHz to 1 GHz	-37.44	-19.02	-18.42
			1 GHz to 10 GHz	-23.46	-19.02	-4.44
		1	9 kHz to 150 kHz	-47.72	-39.02	-8.70
			150 kHz to 30 MHz	-38.10	-29.02	-9.08
			30 MHz to 735 MHz	-42.43	-19.02	-23.41
			735 MHz to 745.9 MHz	-27.56	-19.02	-8.54
			756.1 MHz to 868 MHz	-24.36	-19.02	-5.34
			895 MHz to 1 GHz	-35.31	-19.02	-16.29
			1 GHz to 10 GHz	-23.90	-19.02	-4.88
		2	9 kHz to 150 kHz	-48.21	-39.02	-9.19
			150 kHz to 30 MHz	-37.77	-29.02	-8.75
			30 MHz to 735 MHz	-42.35	-19.02	-23.33
			735 MHz to 745.9 MHz	-27.40	-19.02	-8.38
			756.1 MHz to 868 MHz	-22.22	-19.02	-3.20
			895 MHz to 1 GHz	-36.13	-19.02	-17.11
			1 GHz to 10 GHz	-25.09	-19.02	-6.07
		3	9 kHz to 150 kHz	-48.44	-39.02	-9.42
			150 kHz to 30 MHz	-38.06	-29.02	-9.04
			30 MHz to 735 MHz	-42.19	-19.02	-23.17
			735 MHz to 745.9 MHz	-25.71	-19.02	-6.69
			756.1 MHz to 868 MHz	-20.99	-19.02	-1.97
			895 MHz to 1 GHz	-35.16	-19.02	-16.14
			1 GHz to 10 GHz	-23.95	-19.02	-4.93
B13 LTE 5M+5M 2C+ NB-IoT 2 Guard-Band + B5 LTE 5M+10M+10M 3C	Middle + Middle	0	9 kHz to 150 kHz	-54.60	-39.02	-15.58
			150 kHz to 30 MHz	-45.46	-29.02	-16.44
			30 MHz to 735 MHz	-42.27	-19.02	-23.25
			735 MHz to 745.9 MHz	-29.60	-19.02	-10.58
			756.1 MHz to 868 MHz	-23.93	-19.02	-4.91
			895 MHz to 1 GHz	-38.35	-19.02	-19.33
			1 GHz to 10 GHz	-23.32	-19.02	-4.30
		1	9 kHz to 150 kHz	-54.22	-39.02	-15.20
			150 kHz to 30 MHz	-45.01	-29.02	-15.99
			30 MHz to 735 MHz	-42.24	-19.02	-23.22
			735 MHz to 745.9 MHz	-29.18	-19.02	-10.16
			756.1 MHz to 868 MHz	-22.40	-19.02	-3.38
			895 MHz to 1 GHz	-36.32	-19.02	-17.30
			1 GHz to 10 GHz	-23.91	-19.02	-4.89

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 288 of 394

		2	9 kHz to 150 kHz	-54.92	-39.02	-15.90
			150 kHz to 30 MHz	-45.10	-29.02	-16.08
			30 MHz to 735 MHz	-42.34	-19.02	-23.32
			735 MHz to 745.9 MHz	-29.22	-19.02	-10.20
			756.1 MHz to 868 MHz	-21.82	-19.02	-2.80
			895 MHz to 1 GHz	-35.67	-19.02	-16.65
		3	1 GHz to 10 GHz	-25.22	-19.02	-6.20
			9 kHz to 150 kHz	-54.61	-39.02	-15.59
			150 kHz to 30 MHz	-45.43	-29.02	-16.41
			30 MHz to 735 MHz	-41.74	-19.02	-22.72
			735 MHz to 745.9 MHz	-28.71	-19.02	-9.69
			756.1 MHz to 868 MHz	-21.05	-19.02	-2.03
			895 MHz to 1 GHz	-35.32	-19.02	-16.30
			1 GHz to 10 GHz	-23.89	-19.02	-4.87

Table 8-307. Conducted Spurious Emission Summary Data (Multi-Band_B13+B5_4T)

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	1 559 MHz to 1 610 MHz	-62.71	-62.66	-63.09	-63.08	-56.02	-6.64
	1	1 559 MHz to 1 610 MHz	-62.71	-62.94	-63.22	-62.81	-56.02	-6.69
	2	1 559 MHz to 1 610 MHz	-63.20	-63.04	-63.05	-63.06	-56.02	-7.02
	3	1 559 MHz to 1 610 MHz	-62.57	-63.15	-62.61	-63.08	-56.02	-6.55
Middle	0	1 559 MHz to 1 610 MHz	-63.04	-62.95	-62.89	-62.79	-56.02	-6.77
	1	1 559 MHz to 1 610 MHz	-63.05	-63.07	-62.96	-63.11	-56.02	-6.94
	2	1 559 MHz to 1 610 MHz	-63.02	-63.08	-62.98	-62.89	-56.02	-6.87
	3	1 559 MHz to 1 610 MHz	-62.97	-62.93	-62.93	-63.02	-56.02	-6.90
High	0	1 559 MHz to 1 610 MHz	-62.61	-63.09	-62.98	-62.93	-56.02	-6.59
	1	1 559 MHz to 1 610 MHz	-62.90	-62.79	-63.12	-63.07	-56.02	-6.77
	2	1 559 MHz to 1 610 MHz	-63.16	-63.02	-63.09	-63.24	-56.02	-7.00
	3	1 559 MHz to 1 610 MHz	-63.10	-63.02	-63.07	-63.17	-56.02	-7.00

Table 8-308. Conducted Spurious Emission Summary Data (LTE B13_1C_5M_4T)

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	1 559 MHz to 1 610 MHz	-63.25	-63.08	-63.05	-62.92	-56.02	-6.90
	1	1 559 MHz to 1 610 MHz	-62.86	-63.04	-63.04	-62.97	-56.02	-6.84
	2	1 559 MHz to 1 610 MHz	-63.06	-63.10	-62.91	-63.21	-56.02	-6.89
	3	1 559 MHz to 1 610 MHz	-63.08	-63.06	-63.10	-63.11	-56.02	-7.04

Table 8-309. Conducted Spurious Emission Summary Data (LTE B13_1C_10M_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 289 of 394

Channel	Port	Measurement Range	Level (dBm)		Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM		
Middle	0	1 559 MHz to 1 610 MHz	-62.86	-63.05	-56.02	-6.84
	1	1 559 MHz to 1 610 MHz	-63.13	-63.19	-56.02	-7.11
	2	1 559 MHz to 1 610 MHz	-63.06	-63.18	-56.02	-7.04
	3	1 559 MHz to 1 610 MHz	-62.86	-63.09	-56.02	-6.84

Table 8-310. Conducted Spurious Emission Summary Data (LTE B13_2C_5M+5M_4T)

Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
			QPSK		
Low	0	1 559 MHz to 1 610 MHz	-62.95	-56.02	-6.93
	1	1 559 MHz to 1 610 MHz	-63.06	-56.02	-7.04
	2	1 559 MHz to 1 610 MHz	-63.14	-56.02	-7.12
	3	1 559 MHz to 1 610 MHz	-62.96	-56.02	-6.94
Middle	0	1 559 MHz to 1 610 MHz	-63.21	-56.02	-7.19
	1	1 559 MHz to 1 610 MHz	-63.11	-56.02	-7.09
	2	1 559 MHz to 1 610 MHz	-63.01	-56.02	-6.99
	3	1 559 MHz to 1 610 MHz	-62.90	-56.02	-6.88
High	0	1 559 MHz to 1 610 MHz	-63.02	-56.02	-7.00
	1	1 559 MHz to 1 610 MHz	-63.15	-56.02	-7.13
	2	1 559 MHz to 1 610 MHz	-62.95	-56.02	-6.93
	3	1 559 MHz to 1 610 MHz	-62.78	-56.02	-6.76

Table 8-311. Conducted Spurious Emission Summary Data (LTE B13_1C_5M+NB-IoT_In-Bnad_4T)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)	Page 290 of 394	

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
LTE 10M 1C + NB-IoT 2 Guard-Band	Middle	0	1 559 MHz to 1 610 MHz	-63.01	-56.02	-6.99
		1	1 559 MHz to 1 610 MHz	-63.18	-56.02	-7.16
		2	1 559 MHz to 1 610 MHz	-62.97	-56.02	-6.95
		3	1 559 MHz to 1 610 MHz	-63.06	-56.02	-7.04
LTE 10M 1C + NB-IoT 1 Guard-Band 1 In-Band	Middle	0	1 559 MHz to 1 610 MHz	-63.13	-56.02	-7.11
		1	1 559 MHz to 1 610 MHz	-63.20	-56.02	-7.18
		2	1 559 MHz to 1 610 MHz	-63.00	-56.02	-6.98
		3	1 559 MHz to 1 610 MHz	-63.06	-56.02	-7.04
LTE 10M 1C + NB-IoT 1 In-Band 1 Guard-Band	Middle	0	1 559 MHz to 1 610 MHz	-63.06	-56.02	-7.04
		1	1 559 MHz to 1 610 MHz	-63.02	-56.02	-7.00
		2	1 559 MHz to 1 610 MHz	-63.11	-56.02	-7.09
		3	1 559 MHz to 1 610 MHz	-62.87	-56.02	-6.85
LTE 10M 1C + NB-IoT 2 In-Band	Middle	0	1 559 MHz to 1 610 MHz	-62.97	-56.02	-6.95
		1	1 559 MHz to 1 610 MHz	-63.13	-56.02	-7.11
		2	1 559 MHz to 1 610 MHz	-63.12	-56.02	-7.10
		3	1 559 MHz to 1 610 MHz	-63.01	-56.02	-6.99

Table 8-312. Conducted Spurious Emission Summary Data (LTE B13_1C_10M+NB-IoT_4T)

Mode	Channel	Port	Measurement Range	Level (dBm)	Limit (dBm)	Worst Margin (dB)
				QPSK		
B13 LTE 10M 1C+ NB-IoT 2 Guard-Band + B5 LTE 10M 1C	Middle + Low	0	1 559 MHz to 1 610 MHz	-63.50	-56.02	-7.48
		1	1 559 MHz to 1 610 MHz	-63.48	-56.02	-7.46
		2	1 559 MHz to 1 610 MHz	-63.58	-56.02	-7.56
		3	1 559 MHz to 1 610 MHz	-63.65	-56.02	-7.63
B13 LTE 5M+5M 2C+ NB-IoT 2 Guard-Band + B5 LTE 5M+10M+10M 3C	Middle + Middle	0	1 559 MHz to 1 610 MHz	-63.72	-56.02	-7.70
		1	1 559 MHz to 1 610 MHz	-63.59	-56.02	-7.57
		2	1 559 MHz to 1 610 MHz	-63.45	-56.02	-7.43
		3	1 559 MHz to 1 610 MHz	-63.50	-56.02	-7.47

Table 8-313. Conducted Spurious Emission Summary Data (Multi-Band_B13+B5_4T)

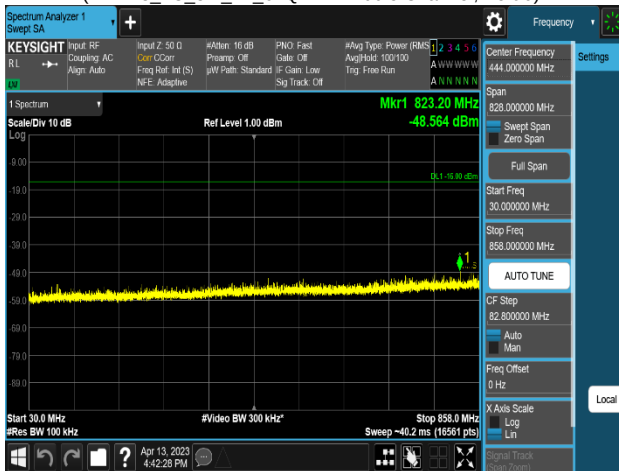
FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)			Page 291 of 394



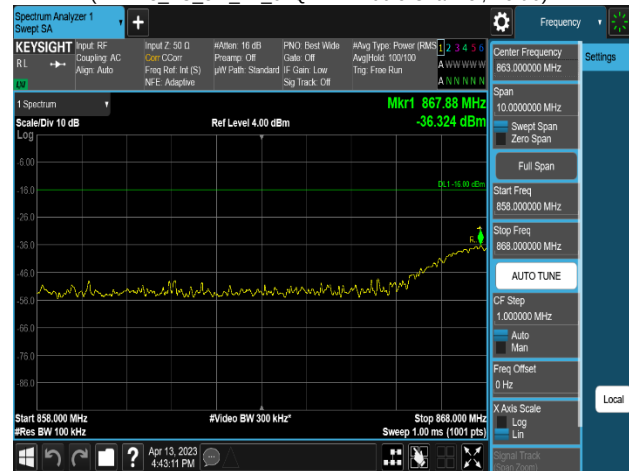
Plot 8-423. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)



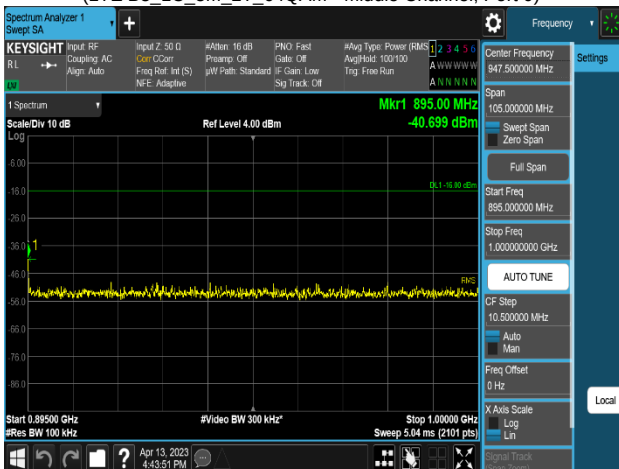
Plot 8-424. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)



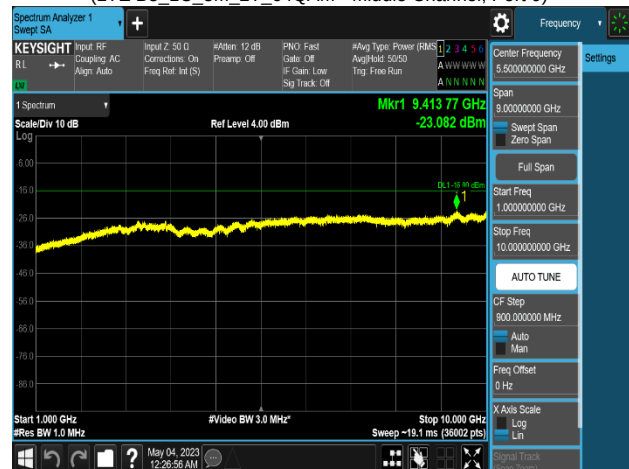
Plot 8-425. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)



Plot 8-426. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)



Plot 8-427. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)



Plot 8-428. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(LTE B5_1C_5M_2T_64QAM - Middle Channel, Port 0)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K23040701-00-R2.A3L	Test Dates: 04/12/2023 - 05/26/2023	EUT Type: RRU(RF4461d)		Page 292 of 394