



Plot 7-693. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_10M+10M_2C_2T_16QAM - Middle Channel, Port 1)



Plot 7-694. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_10M+10M_2C_2T_16QAM - High Channel, Port 1)



Plot 7-695. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_10M+10M_2C_2T_64QAM - Low Channel, Port 1)



Plot 7-696. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_10M+10M_2C_2T_QPSK - Middle Channel, Port 1)



Plot 7-697. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_10M+10M_2C_2T_QPSK - High Channel, Port 0)



Plot 7-698. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_10M+10M_2C_2T_64QAM - Middle Channel, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: BK21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 239 of 367

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-54.19	-53.56	-54.79	-54.39	-39.02	-14.54
		150 kHz to 30 MHz	-46.31	-44.86	-46.02	-45.80	-29.02	-15.84
		30 MHz to 858 MHz	-43.32	-43.89	-43.91	-43.70	-19.02	-24.30
		858 MHz to 868 MHz	-30.77	-30.68	-30.95	-30.44	-19.02	-11.42
		895 MHz to 1 GHz	-36.37	-37.46	-37.00	-35.79	-19.02	-16.77
		1 GHz to 10 GHz	-34.67	-34.91	-34.87	-34.72	-19.02	-15.65
	1	9 kHz to 150 kHz	-51.54	-51.34	-53.45	-53.91	-39.02	-12.32
		150 kHz to 30 MHz	-45.35	-45.11	-44.97	-45.58	-29.02	-15.95
		30 MHz to 858 MHz	-43.57	-43.57	-43.86	-43.65	-19.02	-24.55
		858 MHz to 868 MHz	-30.39	-30.19	-30.35	-29.53	-19.02	-10.51
		895 MHz to 1 GHz	-36.95	-36.16	-36.64	-36.32	-19.02	-17.14
		1 GHz to 10 GHz	-33.22	-34.00	-33.70	-33.49	-19.02	-14.20
	2	9 kHz to 150 kHz	-54.00	-53.01	-54.00	-53.43	-39.02	-13.99
		150 kHz to 30 MHz	-45.08	-43.40	-45.38	-44.32	-29.02	-14.38
		30 MHz to 858 MHz	-44.15	-44.06	-44.15	-43.99	-19.02	-24.97
		858 MHz to 868 MHz	-28.41	-29.79	-29.99	-29.15	-19.02	-9.39
		895 MHz to 1 GHz	-34.58	-35.09	-35.52	-34.24	-19.02	-15.22
		1 GHz to 10 GHz	-34.42	-34.24	-34.20	-34.35	-19.02	-15.18
	3	9 kHz to 150 kHz	-53.69	-53.57	-53.22	-53.80	-39.02	-14.20
		150 kHz to 30 MHz	-45.37	-43.12	-45.03	-45.18	-29.02	-14.10
		30 MHz to 858 MHz	-44.20	-44.06	-44.49	-44.38	-19.02	-25.04
		858 MHz to 868 MHz	-27.77	-28.51	-28.33	-27.62	-19.02	-8.60
		895 MHz to 1 GHz	-34.27	-35.06	-36.08	-33.81	-19.02	-14.79
		1 GHz to 10 GHz	-36.08	-36.30	-36.35	-36.57	-19.02	-17.06
Middle	0	9 kHz to 150 kHz	-54.60	-53.35	-54.53	-54.41	-39.02	-14.33
		150 kHz to 30 MHz	-45.31	-44.94	-45.19	-45.81	-29.02	-15.92
		30 MHz to 858 MHz	-43.52	-43.90	-43.49	-43.61	-19.02	-24.47
		858 MHz to 868 MHz	-35.53	-35.49	-35.27	-35.92	-19.02	-16.25
		895 MHz to 1 GHz	-36.68	-34.72	-35.38	-35.22	-19.02	-15.70
		1 GHz to 10 GHz	-35.02	-35.04	-34.87	-34.95	-19.02	-15.85
	1	9 kHz to 150 kHz	-54.10	-53.71	-53.19	-54.07	-39.02	-14.17
		150 kHz to 30 MHz	-45.72	-43.98	-45.66	-45.94	-29.02	-14.96
		30 MHz to 858 MHz	-43.79	-43.33	-43.80	-43.89	-19.02	-24.31
		858 MHz to 868 MHz	-36.30	-34.93	-36.32	-35.55	-19.02	-15.91
		895 MHz to 1 GHz	-35.00	-34.66	-34.94	-35.00	-19.02	-15.64
		1 GHz to 10 GHz	-33.36	-33.44	-33.67	-33.93	-19.02	-14.34

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	2	9 kHz to 150 kHz	-54.18	-53.09	-54.08	-53.87	-39.02	-14.07
		150 kHz to 30 MHz	-45.18	-43.76	-44.79	-45.15	-29.02	-14.74
		30 MHz to 858 MHz	-44.32	-43.95	-44.01	-44.00	-19.02	-24.93
		858 MHz to 868 MHz	-34.15	-32.72	-34.82	-32.76	-19.02	-13.70
		895 MHz to 1 GHz	-34.14	-33.53	-32.89	-33.66	-19.02	-13.87
		1 GHz to 10 GHz	-34.09	-33.56	-34.47	-34.43	-19.02	-14.54
	3	9 kHz to 150 kHz	-53.37	-52.81	-53.46	-53.63	-39.02	-13.79
		150 kHz to 30 MHz	-44.92	-43.98	-44.44	-44.89	-29.02	-14.96
		30 MHz to 858 MHz	-44.52	-44.44	-44.28	-44.42	-19.02	-25.26
		858 MHz to 868 MHz	-34.46	-33.20	-35.48	-33.02	-19.02	-14.00
		895 MHz to 1 GHz	-34.45	-32.49	-35.08	-33.69	-19.02	-13.47
		1 GHz to 10 GHz	-36.46	-36.46	-36.78	-36.57	-19.02	-17.44
High	0	9 kHz to 150 kHz	-54.12	-54.19	-54.31	-55.11	-39.02	-15.10
		150 kHz to 30 MHz	-45.39	-45.92	-45.72	-45.75	-29.02	-16.37
		30 MHz to 858 MHz	-43.82	-43.78	-43.79	-43.73	-19.02	-24.71
		858 MHz to 868 MHz	-36.55	-37.26	-36.76	-36.69	-19.02	-17.53
		895 MHz to 1 GHz	-30.27	-30.77	-31.29	-29.90	-19.02	-10.88
		1 GHz to 10 GHz	-34.73	-34.86	-34.98	-35.20	-19.02	-15.71
	1	9 kHz to 150 kHz	-53.84	-54.10	-54.23	-54.58	-39.02	-14.82
		150 kHz to 30 MHz	-45.24	-45.41	-45.38	-44.79	-29.02	-15.77
		30 MHz to 858 MHz	-43.81	-43.63	-43.70	-43.71	-19.02	-24.61
		858 MHz to 868 MHz	-36.13	-37.06	-37.72	-37.60	-19.02	-17.11
		895 MHz to 1 GHz	-27.89	-29.40	-29.08	-29.43	-19.02	-8.87
		1 GHz to 10 GHz	-33.94	-33.80	-33.79	-33.91	-19.02	-14.77
	2	9 kHz to 150 kHz	-53.39	-53.12	-53.26	-53.83	-39.02	-14.10
		150 kHz to 30 MHz	-45.09	-43.81	-45.28	-45.10	-29.02	-14.79
		30 MHz to 858 MHz	-44.22	-44.26	-44.28	-44.25	-19.02	-25.20
		858 MHz to 868 MHz	-35.14	-35.90	-35.62	-35.60	-19.02	-16.12
		895 MHz to 1 GHz	-28.39	-29.00	-28.33	-29.28	-19.02	-9.31
		1 GHz to 10 GHz	-34.00	-34.53	-34.45	-34.53	-19.02	-14.98
	3	9 kHz to 150 kHz	-53.11	-53.31	-53.36	-53.70	-39.02	-14.09
		150 kHz to 30 MHz	-44.27	-45.03	-44.60	-45.25	-29.02	-15.25
		30 MHz to 858 MHz	-44.51	-44.47	-44.41	-44.54	-19.02	-25.39
		858 MHz to 868 MHz	-35.89	-36.13	-34.87	-35.65	-19.02	-15.85
		895 MHz to 1 GHz	-28.64	-29.89	-28.51	-29.44	-19.02	-9.49
		1 GHz to 10 GHz	-36.32	-36.79	-36.77	-36.43	-19.02	-17.30

Table 7-173. Conducted Spurious Emission Summary Data (B5_5M+5M_2C)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-699. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_5M+5M_2C_16QAM - Low Channel, Port 1)



Plot 7-700. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_5M+5M_2C_16QAM - Low Channel, Port 3)



Plot 7-701. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_5M+5M_2C_QPSK - Low Channel, Port 0)



Plot 7-702. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_5M+5M_2C_256QAM- Low Channel, Port 3)



Plot 7-703. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_5M+5M_2C_QPSK - High Channel, Port 1)



Plot 7-704. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_5M+5M_2C_QPSK - Low Channel, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-54.19	-53.56	-54.79	-54.39	-39.02	-14.54
		150 kHz to 30 MHz	-46.31	-44.86	-46.02	-45.80	-29.02	-15.84
		30 MHz to 858 MHz	-43.32	-43.89	-43.91	-43.70	-19.02	-24.30
		858 MHz to 868 MHz	-30.77	-30.68	-30.95	-30.44	-19.02	-11.42
		895 MHz to 1 GHz	-36.37	-37.46	-37.00	-35.79	-19.02	-16.77
		1 GHz to 10 GHz	-34.67	-34.91	-34.87	-34.72	-19.02	-15.65
	1	9 kHz to 150 kHz	-51.54	-51.34	-53.45	-53.91	-39.02	-12.32
		150 kHz to 30 MHz	-45.35	-45.11	-44.97	-45.58	-29.02	-15.95
		30 MHz to 858 MHz	-43.57	-43.57	-43.86	-43.65	-19.02	-24.55
		858 MHz to 868 MHz	-30.39	-30.19	-30.35	-29.53	-19.02	-10.51
		895 MHz to 1 GHz	-36.95	-36.16	-36.64	-36.32	-19.02	-17.14
		1 GHz to 10 GHz	-33.22	-34.00	-33.70	-33.49	-19.02	-14.20
	2	9 kHz to 150 kHz	-54.00	-53.01	-54.00	-53.43	-39.02	-13.99
		150 kHz to 30 MHz	-45.08	-43.40	-45.38	-44.32	-29.02	-14.38
		30 MHz to 858 MHz	-44.15	-44.06	-44.15	-43.99	-19.02	-24.97
		858 MHz to 868 MHz	-28.41	-29.79	-29.99	-29.15	-19.02	-9.39
		895 MHz to 1 GHz	-34.58	-35.09	-35.52	-34.24	-19.02	-15.22
		1 GHz to 10 GHz	-34.42	-34.24	-34.20	-34.35	-19.02	-15.18
	3	9 kHz to 150 kHz	-53.69	-53.57	-53.22	-53.80	-39.02	-14.20
		150 kHz to 30 MHz	-45.37	-43.12	-45.03	-45.18	-29.02	-14.10
		30 MHz to 858 MHz	-44.20	-44.06	-44.49	-44.38	-19.02	-25.04
		858 MHz to 868 MHz	-27.77	-28.51	-28.33	-27.62	-19.02	-8.60
		895 MHz to 1 GHz	-34.27	-35.06	-36.08	-33.81	-19.02	-14.79
		1 GHz to 10 GHz	-36.08	-36.30	-36.35	-36.57	-19.02	-17.06
Middle	0	9 kHz to 150 kHz	-54.60	-53.35	-54.53	-54.41	-39.02	-14.33
		150 kHz to 30 MHz	-45.31	-44.94	-45.19	-45.81	-29.02	-15.92
		30 MHz to 858 MHz	-43.52	-43.90	-43.49	-43.61	-19.02	-24.47
		858 MHz to 868 MHz	-35.53	-35.49	-35.27	-35.92	-19.02	-16.25
		895 MHz to 1 GHz	-36.68	-34.72	-35.38	-35.22	-19.02	-15.70
		1 GHz to 10 GHz	-35.02	-35.04	-34.87	-34.95	-19.02	-15.85
	1	9 kHz to 150 kHz	-54.10	-53.71	-53.19	-54.07	-39.02	-14.17
		150 kHz to 30 MHz	-45.72	-43.98	-45.66	-45.94	-29.02	-14.96
		30 MHz to 858 MHz	-43.79	-43.33	-43.80	-43.89	-19.02	-24.31
		858 MHz to 868 MHz	-36.30	-34.93	-36.32	-35.55	-19.02	-15.91
		895 MHz to 1 GHz	-35.00	-34.66	-34.94	-35.00	-19.02	-15.64
		1 GHz to 10 GHz	-33.36	-33.44	-33.67	-33.93	-19.02	-14.34

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	2	9 kHz to 150 kHz	-54.18	-53.09	-54.08	-53.87	-39.02	-14.07
		150 kHz to 30 MHz	-45.18	-43.76	-44.79	-45.15	-29.02	-14.74
		30 MHz to 858 MHz	-44.32	-43.95	-44.01	-44.00	-19.02	-24.93
		858 MHz to 868 MHz	-34.15	-32.72	-34.82	-32.76	-19.02	-13.70
		895 MHz to 1 GHz	-34.14	-33.53	-32.89	-33.66	-19.02	-13.87
		1 GHz to 10 GHz	-34.09	-33.56	-34.47	-34.43	-19.02	-14.54
	3	9 kHz to 150 kHz	-53.37	-52.81	-53.46	-53.63	-39.02	-13.79
		150 kHz to 30 MHz	-44.92	-43.98	-44.44	-44.89	-29.02	-14.96
		30 MHz to 858 MHz	-44.52	-44.44	-44.28	-44.42	-19.02	-25.26
		858 MHz to 868 MHz	-34.46	-33.20	-35.48	-33.02	-19.02	-14.00
		895 MHz to 1 GHz	-34.45	-32.49	-35.08	-33.69	-19.02	-13.47
		1 GHz to 10 GHz	-36.46	-36.46	-36.78	-36.57	-19.02	-17.44
High	0	9 kHz to 150 kHz	-54.12	-54.19	-54.31	-55.11	-39.02	-15.10
		150 kHz to 30 MHz	-45.39	-45.92	-45.72	-45.75	-29.02	-16.37
		30 MHz to 858 MHz	-43.82	-43.78	-43.79	-43.73	-19.02	-24.71
		858 MHz to 868 MHz	-36.55	-37.26	-36.76	-36.69	-19.02	-17.53
		895 MHz to 1 GHz	-30.27	-30.77	-31.29	-29.90	-19.02	-10.88
		1 GHz to 10 GHz	-34.73	-34.86	-34.98	-35.20	-19.02	-15.71
	1	9 kHz to 150 kHz	-53.84	-54.10	-54.23	-54.58	-39.02	-14.82
		150 kHz to 30 MHz	-45.24	-45.41	-45.38	-44.79	-29.02	-15.77
		30 MHz to 858 MHz	-43.81	-43.63	-43.70	-43.71	-19.02	-24.61
		858 MHz to 868 MHz	-36.13	-37.06	-37.72	-37.60	-19.02	-17.11
		895 MHz to 1 GHz	-27.89	-29.40	-29.08	-29.43	-19.02	-8.87
		1 GHz to 10 GHz	-33.94	-33.80	-33.79	-33.91	-19.02	-14.77
	2	9 kHz to 150 kHz	-53.39	-53.12	-53.26	-53.83	-39.02	-14.10
		150 kHz to 30 MHz	-45.09	-43.81	-45.28	-45.10	-29.02	-14.79
		30 MHz to 858 MHz	-44.22	-44.26	-44.28	-44.25	-19.02	-25.20
		858 MHz to 868 MHz	-35.14	-35.90	-35.62	-35.60	-19.02	-16.12
		895 MHz to 1 GHz	-28.39	-29.00	-28.33	-29.28	-19.02	-9.31
		1 GHz to 10 GHz	-34.00	-34.53	-34.45	-34.53	-19.02	-14.98
	3	9 kHz to 150 kHz	-53.11	-53.31	-53.36	-53.70	-39.02	-14.09
		150 kHz to 30 MHz	-44.27	-45.03	-44.60	-45.25	-29.02	-15.25
		30 MHz to 858 MHz	-44.51	-44.47	-44.41	-44.54	-19.02	-25.39
		858 MHz to 868 MHz	-35.89	-36.13	-34.87	-35.65	-19.02	-15.85
		895 MHz to 1 GHz	-28.64	-29.89	-28.51	-29.44	-19.02	-9.49
		1 GHz to 10 GHz	-36.32	-36.79	-36.77	-36.43	-19.02	-17.30

Table 7-174. Conducted Spurious Emission Summary Data (B5_10M+10M_2C)

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Plot 7-705. Conducted Spurious Emission Plot
 9 kHz to 150 kHz
 (B5_10M+10M_2C_256QAM - High Channel, Port 3)



Plot 7-706. Conducted Spurious Emission Plot
 150 kHz to 30 MHz
 (B5_10M+10M_2C_16QAM - Middle Channel, Port 1)



Plot 7-707. Conducted Spurious Emission Plot
 30 MHz to 858 MHz
 (B5_10M+10M_2C_64QAM - Middle Channel, Port 1)



Plot 7-708. Conducted Spurious Emission Plot
 858 MHz to 868 MHz
 (B5_10M+10M_2C_QPSK - Low Channel, Port 2)



Plot 7-709. Conducted Spurious Emission Plot
 895 MHz to 1 GHz
 (B5_10M+10M_2C_QPSK - High Channel, Port 1)



Plot 7-710. Conducted Spurious Emission Plot
 1 GHz to 10 GHz
 (B5_10M+10M_2C_64QAM - Middle Channel, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-54.63	-53.77	-55.22	-54.88	-36.01	-17.76
		150 kHz to 30 MHz	-46.34	-46.03	-46.59	-46.42	-26.01	-20.02
		30 MHz to 858 MHz	-43.54	-43.35	-43.43	-43.36	-16.01	-27.34
		858 MHz to 868 MHz	-29.25	-28.75	-29.32	-29.26	-16.01	-12.74
		895 MHz to 1 GHz	-27.45	-26.33	-26.52	-27.18	-16.01	-10.32
		1 GHz to 10 GHz	-34.83	-34.98	-35.04	-34.78	-16.01	-18.77
	1	9 kHz to 150 kHz	-54.62	-53.72	-55.06	-54.47	-36.01	-17.71
		150 kHz to 30 MHz	-46.38	-45.84	-46.21	-46.07	-26.01	-19.83
		30 MHz to 858 MHz	-43.65	-43.50	-43.65	-43.32	-16.01	-27.31
		858 MHz to 868 MHz	-29.22	-29.32	-29.61	-28.84	-16.01	-12.83
		895 MHz to 1 GHz	-27.12	-25.89	-26.53	-26.87	-16.01	-9.88
		1 GHz to 10 GHz	-34.03	-34.14	-34.17	-33.63	-16.01	-17.62

Table 7-175. Conducted Spurious Emission Summary Data (B5_5M+10M+10M_2C_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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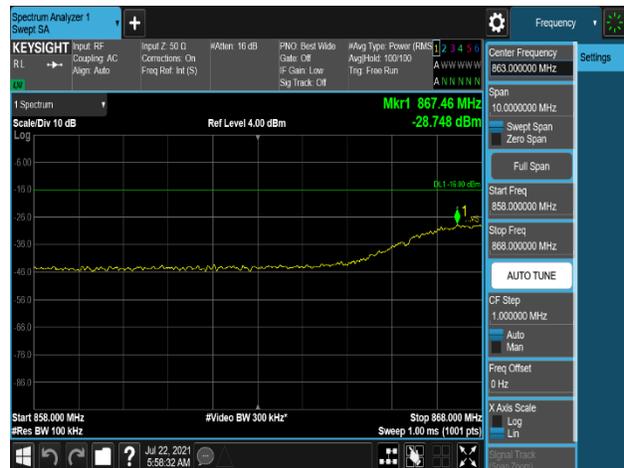
Plot 7-711. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_5M+10M+10M_3C_2T_16QAM, Port 1)



Plot 7-712. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_5M+10M+10M_3C_2T_16QAM, Port 1)



Plot 7-713. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_5M+10M+10M_3C_2T_256QAM, Port 1)



Plot 7-714. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_5M+10M+10M_3C_2T_16QAM, Port 0)



Plot 7-715. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_5M+10M+10M_3C_2T_16QAM, Port 1)



Plot 7-716. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_5M+10M+10M_3C_2T_256QAM, Port 1)

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Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-57.29	-57.35	-57.84	-57.90	-39.02	-18.27
		150 kHz to 30 MHz	-49.05	-49.13	-48.84	-49.13	-29.02	-19.82
		30 MHz to 858 MHz	-43.64	-43.70	-43.54	-43.59	-19.02	-24.52
		858 MHz to 868 MHz	-30.09	-31.02	-32.07	-32.15	-19.02	-11.07
		895 MHz to 1 GHz	-29.68	-29.73	-30.52	-30.59	-19.02	-10.66
		1 GHz to 10 GHz	-35.20	-34.80	-34.82	-34.88	-19.02	-15.78
	1	9 kHz to 150 kHz	-57.71	-54.61	-56.14	-56.25	-39.02	-15.59
		150 kHz to 30 MHz	-47.82	-48.45	-49.31	-48.42	-29.02	-18.80
		30 MHz to 858 MHz	-43.83	-43.74	-43.62	-43.73	-19.02	-24.60
		858 MHz to 868 MHz	-30.94	-31.27	-32.08	-31.86	-19.02	-11.92
		895 MHz to 1 GHz	-29.12	-29.13	-29.94	-29.95	-19.02	-10.10
		1 GHz to 10 GHz	-33.20	-33.83	-33.26	-33.93	-19.02	-14.18
	2	9 kHz to 150 kHz	-56.91	-56.34	-57.45	-56.88	-39.02	-17.32
		150 kHz to 30 MHz	-48.76	-47.88	-49.07	-48.30	-29.02	-18.86
		30 MHz to 858 MHz	-43.99	-43.99	-44.21	-44.11	-19.02	-24.97
		858 MHz to 868 MHz	-29.56	-29.61	-28.97	-29.15	-19.02	-9.95
		895 MHz to 1 GHz	-29.49	-27.97	-27.86	-28.55	-19.02	-8.84
		1 GHz to 10 GHz	-34.22	-34.23	-33.73	-34.05	-19.02	-14.71
	3	9 kHz to 150 kHz	-55.90	-56.23	-57.14	-56.64	-39.02	-16.88
		150 kHz to 30 MHz	-48.48	-47.61	-47.64	-48.72	-29.02	-18.59
		30 MHz to 858 MHz	-44.41	-44.26	-44.30	-44.10	-19.02	-25.08
		858 MHz to 868 MHz	-28.92	-28.79	-28.97	-29.33	-19.02	-9.77
		895 MHz to 1 GHz	-27.84	-27.25	-27.45	-28.28	-19.02	-8.23
		1 GHz to 10 GHz	-36.57	-36.73	-36.49	-36.70	-19.02	-17.47

Table 7-176. Conducted Spurious Emission Summary Data (B5_5M+10M+10M_2C)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-717. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_5M+10M+10M_3C_16QAM, Port 1)



Plot 7-718. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_5M+10M+10M_3C_16QAM, Port 3)



Plot 7-719. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_5M+10M+10M_3C_64QAM, Port 0)



Plot 7-720. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_5M+10M+10M_3C_16QAM, Port 3)



Plot 7-721. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_5M+10M+10M_3C_16QAM, Port 3)



Plot 7-722. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_5M+10M+10M_3C_QPSK, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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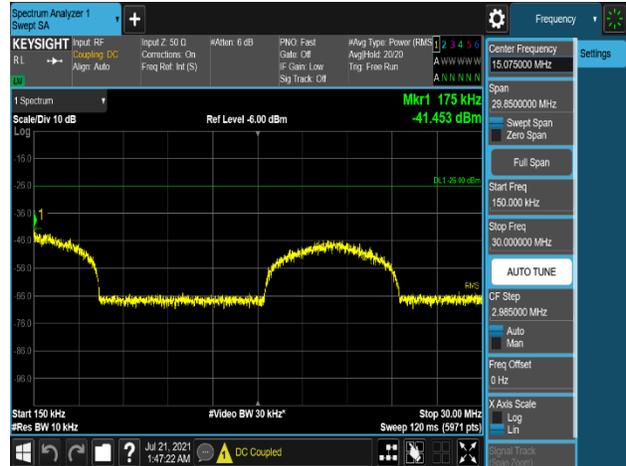
Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-52.00	-51.34	-51.55	-51.89	-36.01	-15.33
		150 kHz to 30 MHz	-43.27	-42.61	-42.80	-42.94	-26.01	-16.60
		30 MHz to 858 MHz	-43.52	-42.77	-42.99	-42.61	-16.01	-26.60
		858 MHz to 868 MHz	-24.92	-25.23	-24.23	-23.56	-16.01	-7.55
		895 MHz to 1 GHz	-23.17	-22.62	-22.65	-22.59	-16.01	-6.58
		1 GHz to 10 GHz	-34.86	-34.57	-34.79	-34.91	-16.01	-18.56
	1	9 kHz to 150 kHz	-50.31	-50.81	-51.10	-51.39	-36.01	-14.30
		150 kHz to 30 MHz	-42.94	-41.48	-42.85	-41.45	-26.01	-15.44
		30 MHz to 858 MHz	-43.35	-43.49	-43.30	-43.29	-16.01	-27.28
		858 MHz to 868 MHz	-25.97	-25.28	-25.79	-25.00	-16.01	-8.99
		895 MHz to 1 GHz	-21.99	-23.33	-23.46	-22.31	-16.01	-5.98
		1 GHz to 10 GHz	-33.65	-33.41	-33.46	-33.83	-16.01	-17.40

Table 7-177. Conducted Spurious Emission Summary Data (B5_5M+5M_2C_Non-contiguous_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 7-723. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_5M+5M_2C_Non-contiguous_2T_QPSK, Port 1)



Plot 7-724. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_5M+5M_2C_Non-contiguous_2T_256QAM, Port 1)



Plot 7-725. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_5M+5M_2C_Non-contiguous_2T_256QAM, Port 0)



Plot 7-726. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_5M+5M_2C_Non-contiguous_2T_256QAM, Port 0)



Plot 7-727. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_5M+5M_2C_Non-contiguous_2T_QPSK, Port 1)



Plot 7-728. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_5M+5M_2C_Non-contiguous_2T_16QAM, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-54.14	-53.43	-54.33	-54.29	-36.01	-17.42
		150 kHz to 30 MHz	-45.44	-43.66	-45.58	-45.37	-26.01	-17.65
		30 MHz to 858 MHz	-43.79	-43.53	-43.52	-43.33	-16.01	-27.32
		858 MHz to 868 MHz	-27.99	-27.52	-25.79	-28.09	-16.01	-9.78
		895 MHz to 1 GHz	-25.66	-25.41	-24.11	-25.27	-16.01	-8.10
		1 GHz to 10 GHz	-34.82	-34.74	-34.66	-35.03	-16.01	-18.65
	1	9 kHz to 150 kHz	-53.65	-53.33	-54.20	-53.74	-36.01	-17.32
		150 kHz to 30 MHz	-45.21	-42.35	-45.42	-45.19	-26.01	-16.34
		30 MHz to 858 MHz	-43.65	-43.35	-43.34	-43.34	-16.01	-27.33
		858 MHz to 868 MHz	-28.66	-28.12	-26.22	-28.19	-16.01	-10.21
		895 MHz to 1 GHz	-26.24	-25.10	-24.65	-25.01	-16.01	-8.64
		1 GHz to 10 GHz	-33.53	-33.69	-33.32	-33.85	-16.01	-17.31

Table 7-178. Conducted Spurious Emission Summary Data (B5_10M+10M_2C_Non-contiguous_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 7-729. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_10M+10M_2C_Non-contiguous_2T_16QAM, Port 1)



Plot 7-730. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_10M+10M_2C_Non-contiguous_2T_16QAM, Port 1)



Plot 7-731. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_10M+10M_2C_Non-contiguous_2T_64QAM, Port 0)



Plot 7-732. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_10M+10M_2C_Non-contiguous_2T_64QAM, Port 0)



Plot 7-733. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_10M+10M_2C_Non-contiguous_2T_64QAM, Port 0)



Plot 7-734. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_10M+10M_2C_Non-contiguous_2T_64QAM, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 253 of 367

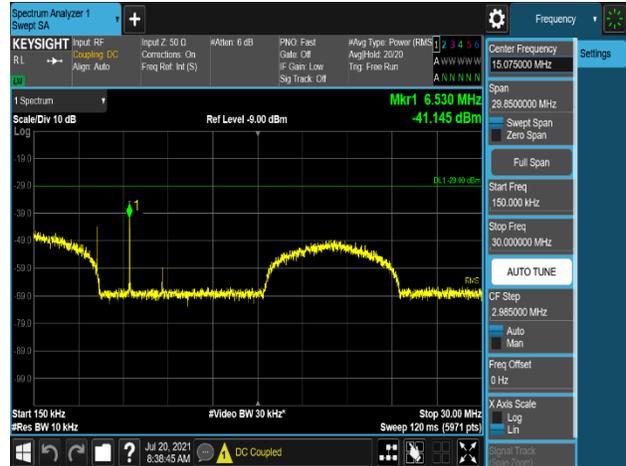
Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-54.32	-54.19	-54.12	-54.84	-39.02	-15.10
		150 kHz to 30 MHz	-46.38	-46.21	-45.12	-46.62	-29.02	-16.10
		30 MHz to 858 MHz	-43.77	-44.02	-43.74	-43.58	-19.02	-24.56
		858 MHz to 868 MHz	-28.78	-28.81	-27.80	-27.15	-19.02	-8.13
		895 MHz to 1 GHz	-26.13	-25.64	-26.48	-26.35	-19.02	-6.62
		1 GHz to 10 GHz	-34.40	-34.59	-34.67	-34.82	-19.02	-15.38
	1	9 kHz to 150 kHz	-54.10	-53.76	-54.30	-54.02	-39.02	-14.74
		150 kHz to 30 MHz	-45.34	-44.45	-45.08	-45.29	-29.02	-15.43
		30 MHz to 858 MHz	-43.62	-43.95	-43.89	-43.62	-19.02	-24.60
		858 MHz to 868 MHz	-27.47	-28.55	-29.78	-27.57	-19.02	-8.45
		895 MHz to 1 GHz	-25.00	-25.02	-25.87	-25.91	-19.02	-5.98
		1 GHz to 10 GHz	-33.11	-33.67	-33.81	-33.39	-19.02	-14.09
	2	9 kHz to 150 kHz	-54.28	-53.53	-53.74	-54.09	-39.02	-14.51
		150 kHz to 30 MHz	-44.83	-44.16	-41.15	-45.47	-29.02	-12.13
		30 MHz to 858 MHz	-44.36	-44.36	-44.30	-44.18	-19.02	-25.16
		858 MHz to 868 MHz	-26.30	-24.79	-25.48	-25.24	-19.02	-5.77
		895 MHz to 1 GHz	-23.77	-23.88	-24.07	-25.35	-19.02	-4.75
		1 GHz to 10 GHz	-34.15	-34.04	-34.20	-34.12	-19.02	-15.02
	3	9 kHz to 150 kHz	-54.15	-53.21	-54.16	-54.29	-39.02	-14.19
		150 kHz to 30 MHz	-45.14	-43.93	-44.67	-45.47	-29.02	-14.91
		30 MHz to 858 MHz	-44.65	-44.41	-44.56	-43.91	-19.02	-24.89
		858 MHz to 868 MHz	-26.03	-25.55	-25.82	-26.18	-19.02	-6.53
		895 MHz to 1 GHz	-24.47	-24.77	-24.99	-24.90	-19.02	-5.45
		1 GHz to 10 GHz	-36.35	-36.21	-36.81	-36.46	-19.02	-17.19

Table 7-179. Conducted Spurious Emission Summary Data (B5_5M+5M_2C_Non-contiguous_2C)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-735. Conducted Spurious Emission Plot
 9 kHz to 150 kHz
 (B5_5M+5M_2C_Non-contiguous_16QAM, Port 3)



Plot 7-736. Conducted Spurious Emission Plot
 150 kHz to 30 MHz
 (B5_5M+5M_2C_Non-contiguous_64QAM, Port 2)



Plot 7-737. Conducted Spurious Emission Plot
 30 MHz to 858 MHz
 (B5_5M+5M_2C_Non-contiguous_256QAM, Port 0)



Plot 7-738. Conducted Spurious Emission Plot
 858 MHz to 868 MHz
 (B5_5M+5M_2C_Non-contiguous_16QAM, Port 2)



Plot 7-739. Conducted Spurious Emission Plot
 895 MHz to 1 GHz
 (B5_5M+5M_2C_Non-contiguous_QPSK, Port 2)



Plot 7-740. Conducted Spurious Emission Plot
 1 GHz to 10 GHz
 (B5_5M+5M_2C_Non-contiguous_QPSK, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-56.57	-56.35	-56.99	-56.79	-39.02	-17.33
		150 kHz to 30 MHz	-46.84	-47.46	-48.14	-48.38	-29.02	-17.82
		30 MHz to 858 MHz	-43.80	-43.84	-43.77	-43.79	-19.02	-24.75
		858 MHz to 868 MHz	-31.10	-31.29	-30.76	-30.93	-19.02	-11.74
		895 MHz to 1 GHz	-28.13	-30.00	-28.35	-27.06	-19.02	-8.04
		1 GHz to 10 GHz	-35.02	-34.66	-34.80	-34.31	-19.02	-15.29
	1	9 kHz to 150 kHz	-55.30	-54.86	-55.68	-55.90	-39.02	-15.84
		150 kHz to 30 MHz	-47.66	-44.44	-46.99	-47.16	-29.02	-15.42
		30 MHz to 858 MHz	-43.67	-43.65	-43.61	-43.84	-19.02	-24.59
		858 MHz to 868 MHz	-29.52	-30.29	-29.91	-30.14	-19.02	-10.50
		895 MHz to 1 GHz	-28.40	-27.62	-27.81	-27.42	-19.02	-8.40
		1 GHz to 10 GHz	-33.89	-33.77	-33.46	-34.11	-19.02	-14.44
	2	9 kHz to 150 kHz	-57.21	-56.66	-57.05	-56.56	-39.02	-17.54
		150 kHz to 30 MHz	-47.34	-47.52	-48.40	-48.20	-29.02	-18.32
		30 MHz to 858 MHz	-44.40	-44.21	-44.18	-44.14	-19.02	-25.12
		858 MHz to 868 MHz	-28.46	-29.17	-27.38	-26.91	-19.02	-7.89
		895 MHz to 1 GHz	-27.91	-27.75	-25.44	-25.44	-19.02	-6.42
		1 GHz to 10 GHz	-33.85	-34.39	-33.77	-34.08	-19.02	-14.75
	3	9 kHz to 150 kHz	-56.12	-55.80	-56.04	-55.69	-39.02	-16.67
		150 kHz to 30 MHz	-47.29	-45.91	-47.24	-46.66	-29.02	-16.89
		30 MHz to 858 MHz	-44.51	-44.28	-44.25	-44.30	-19.02	-25.23
		858 MHz to 868 MHz	-28.77	-28.26	-27.59	-26.43	-19.02	-7.41
		895 MHz to 1 GHz	-27.33	-26.15	-25.40	-25.00	-19.02	-5.98
		1 GHz to 10 GHz	-36.54	-36.72	-36.59	-36.85	-19.02	-17.52

Table 7-180. Conducted Spurious Emission Summary Data (B5_10M+10M_2C_Non-contiguous_2C)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-741. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B5_10M+10M_2C_Non-contiguous_16QAM, Port 1)



Plot 7-742. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B5_10M+10M_2C_Non-contiguous_16QAM, Port 1)



Plot 7-743. Conducted Spurious Emission Plot
30 MHz to 858 MHz
(B5_10M+10M_2C_Non-contiguous_64QAM, Port 1)



Plot 7-744. Conducted Spurious Emission Plot
858 MHz to 868 MHz
(B5_10M+10M_2C_Non-contiguous_256QAM, Port 3)



Plot 7-745. Conducted Spurious Emission Plot
895 MHz to 1 GHz
(B5_10M+10M_2C_Non-contiguous_256QAM, Port 3)



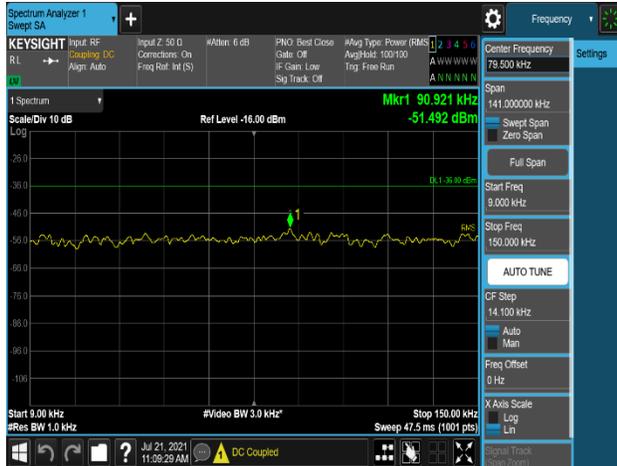
Plot 7-746. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B5_10M+10M_2C_Non-contiguous_64QAM, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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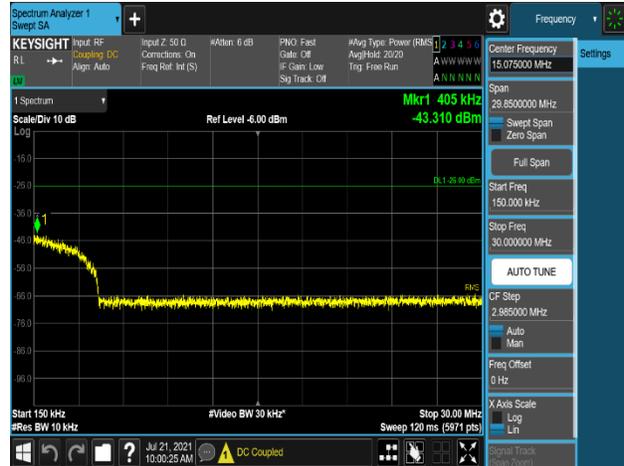
Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Low	0	9 kHz to 150 kHz	-52.30	-52.13	-53.10	-52.58	-36.01	-16.12
		150 kHz to 30 MHz	-43.62	-43.43	-44.36	-43.85	-26.01	-17.42
		30 MHz to 735 MHz	-44.34	-43.97	-44.47	-44.37	-16.01	-27.96
		735 MHz to 745.9 MHz	-29.10	-28.55	-28.67	-28.68	-16.01	-12.54
		756.1 MHz to 1 GHz	-36.03	-34.85	-34.58	-32.83	-16.01	-16.82
		1 GHz to 10 GHz	-34.63	-34.66	-35.06	-34.97	-16.01	-18.62
	1	9 kHz to 150 kHz	-52.07	-51.78	-52.57	-52.08	-36.01	-15.77
		150 kHz to 30 MHz	-43.72	-43.31	-43.80	-43.84	-26.01	-17.30
		30 MHz to 735 MHz	-44.39	-44.26	-44.29	-44.52	-16.01	-28.25
		735 MHz to 745.9 MHz	-28.88	-27.78	-28.57	-27.58	-16.01	-11.57
		756.1 MHz to 1 GHz	-34.59	-34.81	-36.01	-35.26	-16.01	-18.58
		1 GHz to 10 GHz	-33.79	-33.74	-33.97	-33.85	-16.01	-17.73
Middle	0	9 kHz to 150 kHz	-52.69	-52.28	-53.56	-51.86	-36.01	-15.85
		150 kHz to 30 MHz	-44.43	-43.42	-43.88	-44.25	-26.01	-17.41
		30 MHz to 735 MHz	-44.36	-44.43	-44.23	-44.27	-16.01	-28.22
		735 MHz to 745.9 MHz	-34.85	-34.71	-33.47	-31.84	-16.01	-15.83
		756.1 MHz to 1 GHz	-33.62	-35.37	-34.87	-32.48	-16.01	-16.47
		1 GHz to 10 GHz	-34.53	-35.16	-34.92	-34.96	-16.01	-18.52
	1	9 kHz to 150 kHz	-51.62	-52.36	-52.63	-51.49	-36.01	-15.48
		150 kHz to 30 MHz	-43.66	-43.59	-43.67	-43.70	-26.01	-17.58
		30 MHz to 735 MHz	-44.28	-44.08	-44.46	-44.28	-16.01	-28.07
		735 MHz to 745.9 MHz	-34.06	-33.98	-34.77	-32.93	-16.01	-16.92
		756.1 MHz to 1 GHz	-34.07	-34.23	-34.79	-34.59	-16.01	-18.06
		1 GHz to 10 GHz	-34.05	-33.66	-33.53	-33.92	-16.01	-17.52
High	0	9 kHz to 150 kHz	-52.53	-52.57	-53.13	-52.05	-36.01	-16.04
		150 kHz to 30 MHz	-44.54	-44.31	-44.47	-44.37	-26.01	-18.30
		30 MHz to 735 MHz	-44.39	-44.32	-44.52	-44.09	-16.01	-28.08
		735 MHz to 745.9 MHz	-34.36	-35.77	-35.75	-34.04	-16.01	-18.03
		756.1 MHz to 1 GHz	-22.52	-24.42	-22.98	-22.46	-16.01	-6.45
		1 GHz to 10 GHz	-34.88	-34.69	-35.12	-35.03	-16.01	-18.68
	1	9 kHz to 150 kHz	-52.58	-52.09	-52.93	-52.22	-36.01	-16.08
		150 kHz to 30 MHz	-44.32	-44.21	-44.29	-43.35	-26.01	-17.34
		30 MHz to 735 MHz	-44.18	-44.40	-44.17	-44.33	-16.01	-28.16
		735 MHz to 745.9 MHz	-35.42	-35.33	-35.31	-35.15	-16.01	-19.14
		756.1 MHz to 1 GHz	-22.03	-23.11	-22.11	-21.22	-16.01	-5.21
		1 GHz to 10 GHz	-33.97	-33.58	-33.99	-33.87	-16.01	-17.57

Table 7-181. Conducted Spurious Emission Summary Data (B13_5M_1C_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 258 of 367



Plot 7-747. Conducted Spurious Emission Plot
9 kHz to 150 kHz
(B13_5M_1C_256QAM - Middle Channel, Port 1)



Plot 7-748. Conducted Spurious Emission Plot
150 kHz to 30 MHz
(B13_5M_1C_16QAM - Low Channel, Port 1)



Plot 7-749. Conducted Spurious Emission Plot
30 MHz to 735 MHz
(B13_5M_1C_16QAM - Low Channel, Port 0)



Plot 7-750. Conducted Spurious Emission Plot
735 MHz to 745.9 MHz
(B13_5M_1C_256QAM - Low Channel, Port 1)



Plot 7-751. Conducted Spurious Emission Plot
756.1 MHz to 1 GHz
(B13_5M_1C_256QAM - High Channel, Port 1)



Plot 7-752. Conducted Spurious Emission Plot
1 GHz to 10 GHz
(B13_5M_1C_64QAM - Middle Channel, Port 1)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: BK21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 259 of 367

Channel	Port	Measurement Range	Level (dBm)				Limit (dBm)	Worst Margin (dB)
			QPSK	16QAM	64QAM	256QAM		
Middle	0	9 kHz to 150 kHz	-49.32	-49.50	-49.47	-50.63	-36.01	-13.31
		150 kHz to 30 MHz	-40.88	-40.76	-41.29	-40.75	-26.01	-14.74
		30 MHz to 735 MHz	-43.94	-44.12	-44.12	-43.87	-16.01	-27.86
		735 MHz to 745.9 MHz	-25.60	-24.90	-25.71	-25.42	-16.01	-8.89
		756.1 MHz to 1 GHz	-25.64	-25.31	-25.42	-25.01	-16.01	-9.00
		1 GHz to 10 GHz	-35.09	-35.20	-35.05	-34.71	-16.01	-18.70
	1	9 kHz to 150 kHz	-50.04	-49.56	-50.21	-50.58	-36.01	-13.55
		150 kHz to 30 MHz	-40.60	-41.42	-40.66	-41.40	-26.01	-14.59
		30 MHz to 735 MHz	-43.38	-43.99	-43.99	-43.97	-16.01	-27.37
		735 MHz to 745.9 MHz	-24.61	-26.52	-24.95	-25.50	-16.01	-8.60
		756.1 MHz to 1 GHz	-23.71	-25.27	-24.54	-25.35	-16.01	-7.70
		1 GHz to 10 GHz	-33.78	-33.85	-34.01	-34.11	-16.01	-17.77

Table 7-182. Conducted Spurious Emission Summary Data (B13_10M_1C_2T)

FCC ID: A3LRF4440D-13A		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 8K21070501R2-R1	Test Dates: 07/09/2021 - 08/25/2021	EUT Type: RRU (RF4440d)		Page 260 of 367	