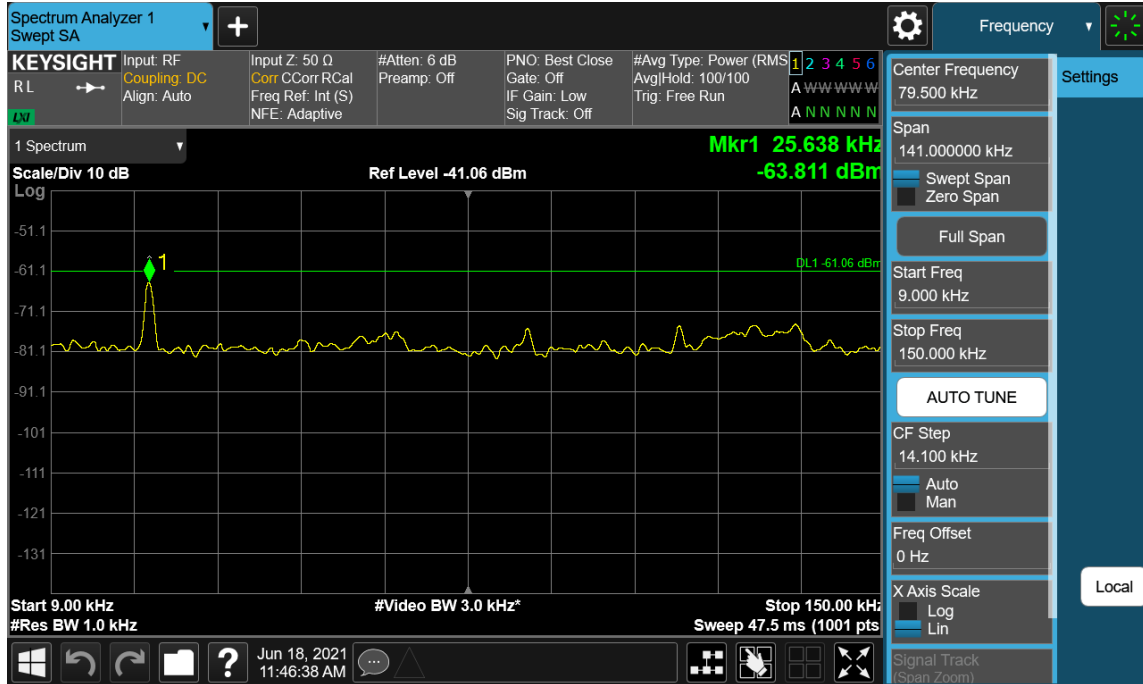


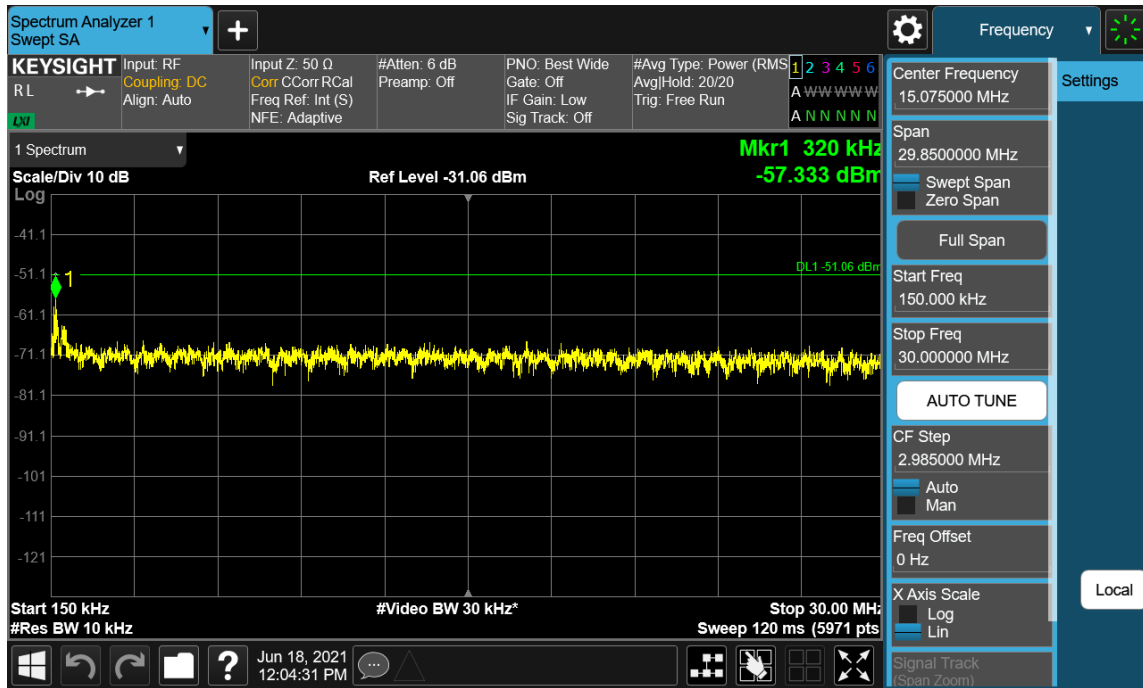
Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
Low	9 kHz to 150 kHz	56	-63.81	60	-67.38	-61.06
	150 kHz to 30 MHz		-58.80		-60.82	-51.06
	30 MHz to 2400 MHz		-47.57		-47.74	-31.06
	2400 MHz to 2494 GHz		-47.45		-47.25	-41.06
	2692 MHz to 3 GHz		-39.27		-38.12	-31.06
	3 GHz to 18 GHz		-43.79		-43.95	-31.06
	18 GHz to 27 GHz		-51.85		-51.68	-31.06
	9 kHz to 150 kHz	57	-64.60	61	-64.78	-61.06
	150 kHz to 30 MHz		-59.40		-58.89	-51.06
	30 MHz to 2400 MHz		-47.20		-46.16	-31.06
	2400 MHz to 2494 GHz		-47.18		-47.95	-41.06
	2692 MHz to 3 GHz		-38.95		-39.69	-31.06
	3 GHz to 18 GHz		-44.62		-44.54	-31.06
	18 GHz to 27 GHz		-51.76		-51.47	-31.06
	9 kHz to 150 kHz	58	-64.97	62	-64.90	-61.06
	150 kHz to 30 MHz		-59.07		-58.67	-51.06
	30 MHz to 2400 MHz		-47.79		-47.53	-31.06
	2400 MHz to 2494 GHz		-46.10		-47.52	-41.06
	2692 MHz to 3 GHz		-39.06		-39.68	-31.06
	3 GHz to 18 GHz		-44.34		-43.17	-31.06
	18 GHz to 27 GHz		-51.46		-51.12	-31.06
	9 kHz to 150 kHz	59	-65.21	63	-65.18	-61.06
	150 kHz to 30 MHz		-58.47		-58.64	-51.06
	30 MHz to 2400 MHz		-47.56		-48.22	-31.06
2400 MHz to 2494 GHz	-47.44		-46.73		-41.06	
2692 MHz to 3 GHz	-39.05		-37.06		-31.06	
3 GHz to 18 GHz	-44.66		-44.12		-31.06	
18 GHz to 27 GHz	-51.51		-51.63		-31.06	

**Table 7-39. Conducted Spurious Emission Summary Data
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous_Low Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 153 of 201

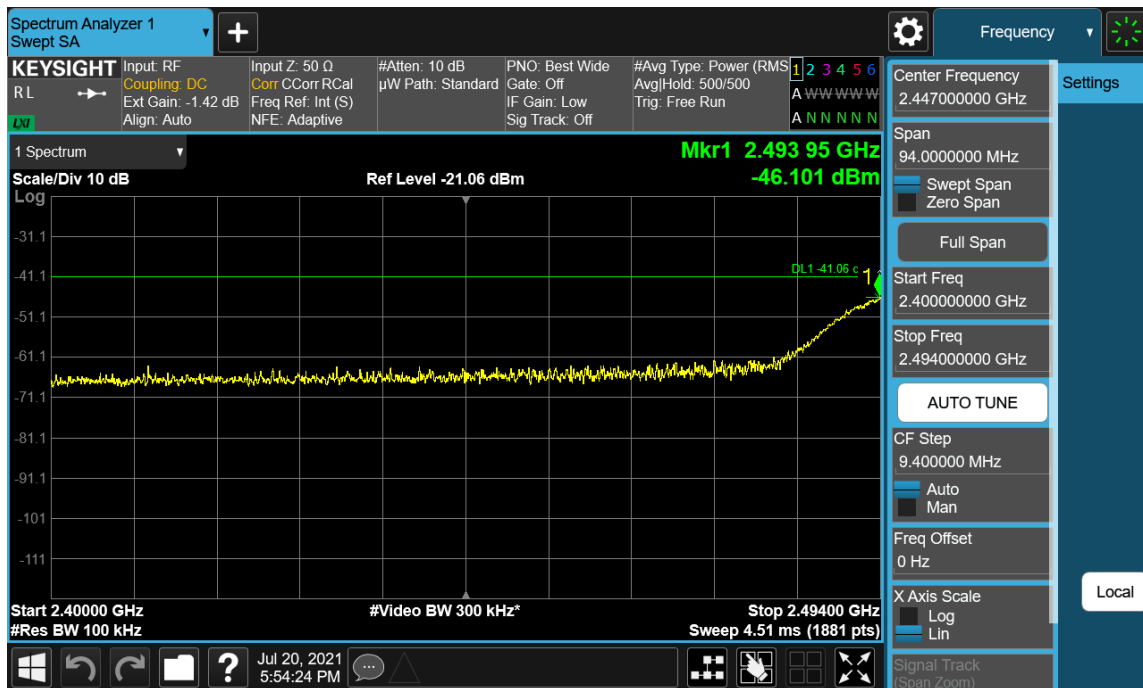
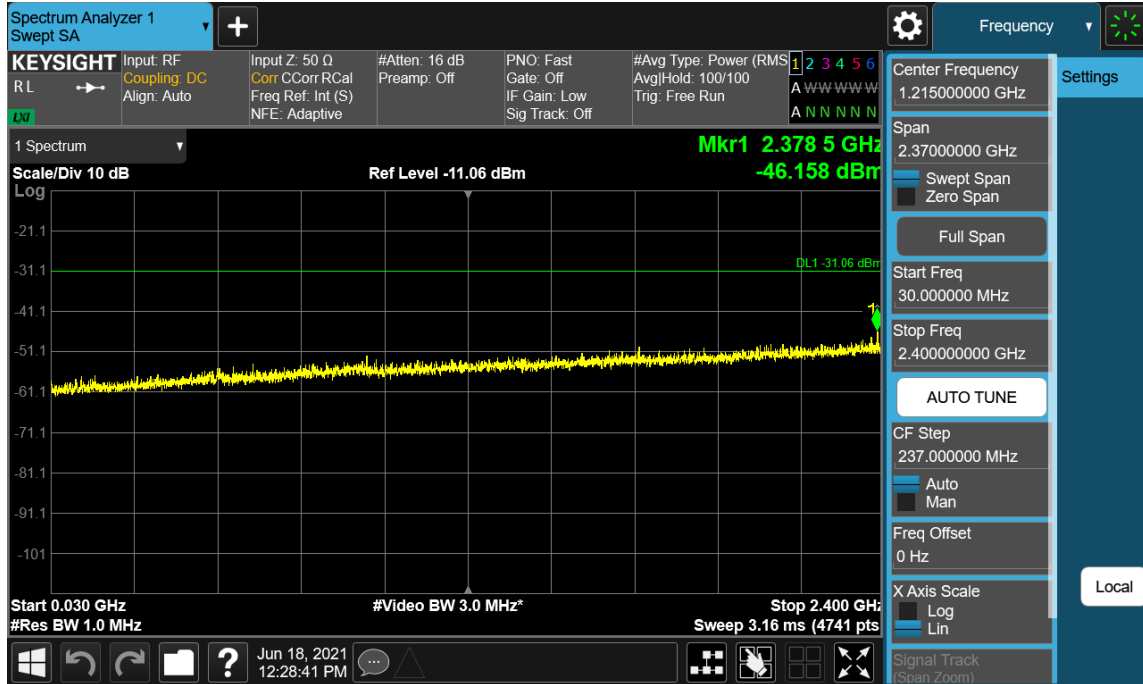


Plot 7-133. Conducted Spurious Emission Plot
9 kHz to 150 kHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel_Port 56)

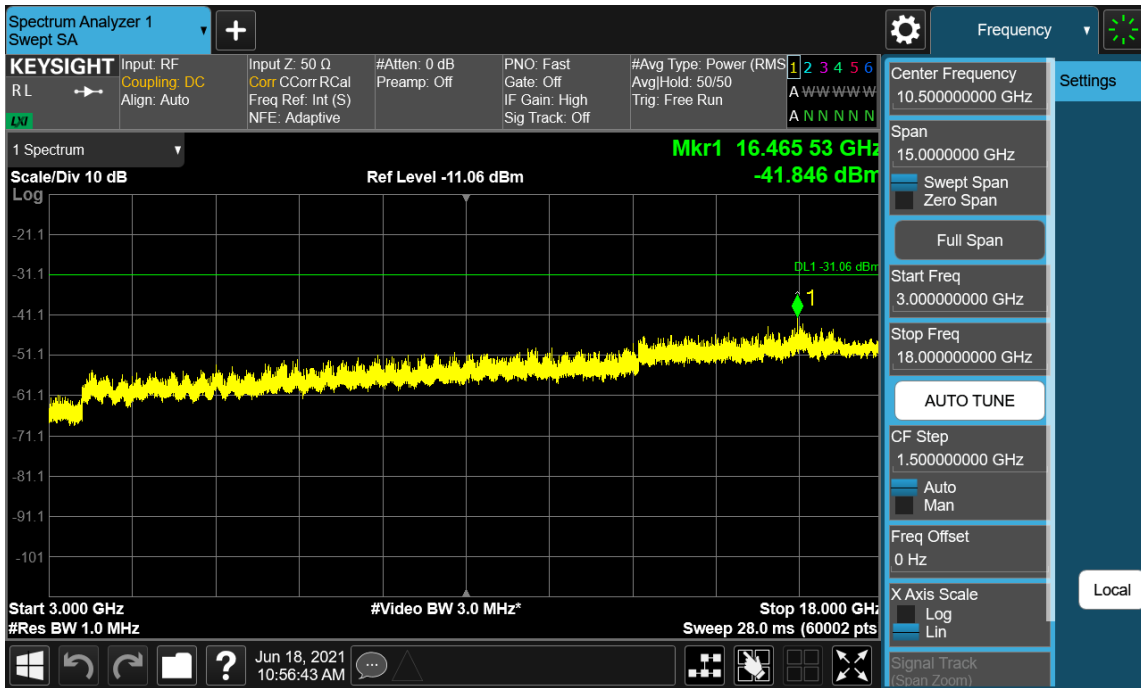
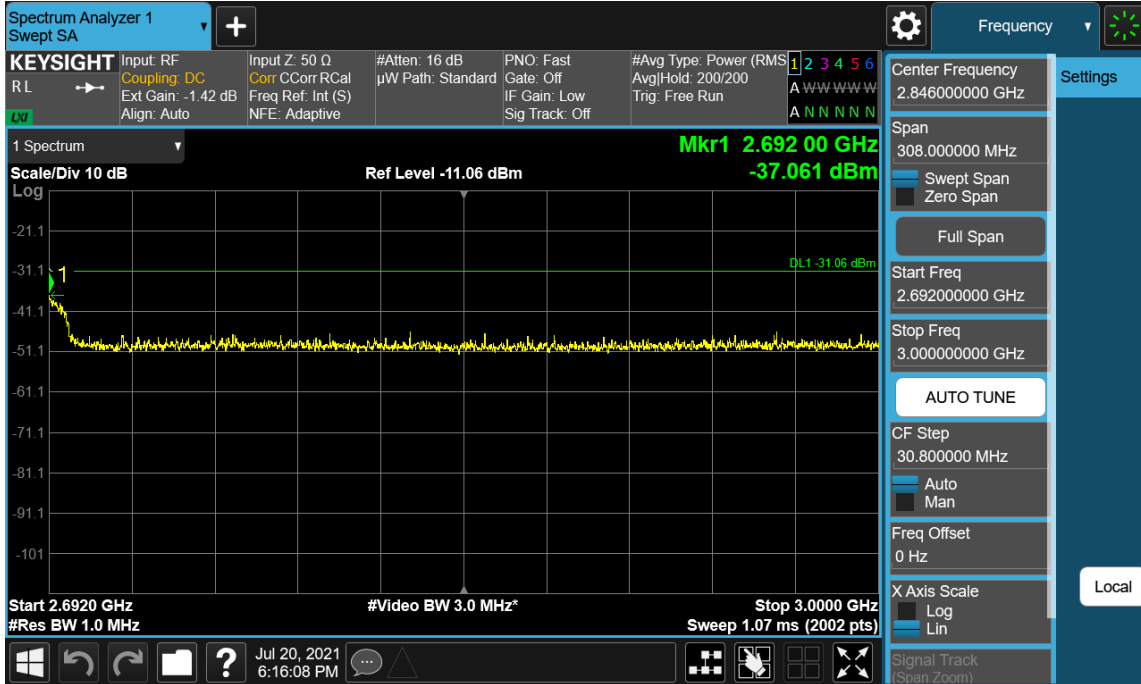


Plot 7-134. Conducted Spurious Emission Plot
150 kHz to 30 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel_Port 48)

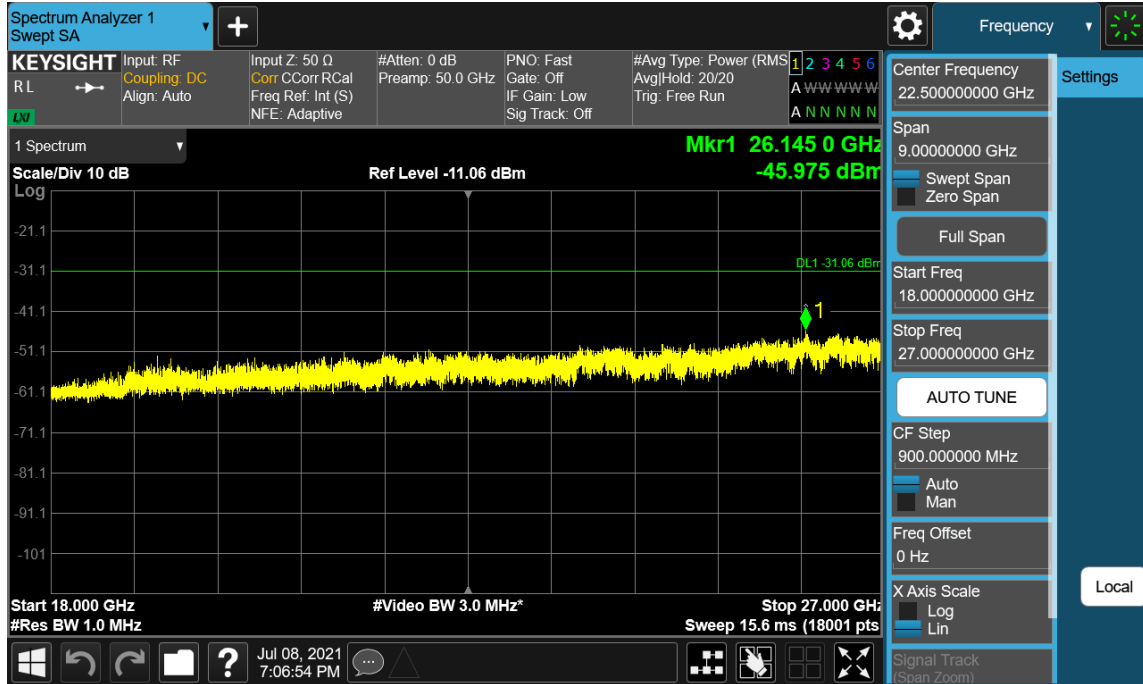
FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 154 of 201



FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 155 of 201




FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 156 of 201




Plot 7-139. Conducted Spurious Emission Plot
18 GHz to 27 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel_Port 52)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 157 of 201

Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
Middle	9 kHz to 150 kHz	0	-65.02	7	-64.78	14	-64.66	21	-65.24	-61.06
	150 kHz to 30 MHz		-59.73		-59.15		-60.26		-56.81	-51.06
	30 MHz to 2400 MHz		-47.80		-47.93		-47.81		-46.44	-31.06
	2400 MHz to 2494 GHz		-49.84		-50.56		-49.54		-50.28	-41.06
	2692 MHz to 3 GHz		-38.49		-40.43		-38.71		-40.49	-31.06
	3 GHz to 18 GHz		-43.97		-43.98		-44.18		-44.02	-31.06
	18 GHz to 27 GHz		-51.84		-51.77		-50.77		-51.34	-31.06
	9 kHz to 150 kHz	1	-65.23	8	-64.91	15	-64.85	22	-64.87	-61.06
	150 kHz to 30 MHz		-58.74		-58.84		-60.43		-57.97	-51.06
	30 MHz to 2400 MHz		-47.51		-48.44		-47.76		-48.02	-31.06
	2400 MHz to 2494 GHz		-50.24		-50.52		-50.88		-49.53	-41.06
	2692 MHz to 3 GHz		-39.32		-39.37		-39.43		-38.64	-31.06
	3 GHz to 18 GHz		-44.62		-44.31		-44.48		-44.67	-31.06
	18 GHz to 27 GHz		-51.59		-51.47		-51.38		-52.08	-31.06
	9 kHz to 150 kHz	2	-65.09	9	-64.84	16	-64.51	23	-65.17	-61.06
	150 kHz to 30 MHz		-59.34		-58.36		-58.46		-59.24	-51.06
	30 MHz to 2400 MHz		-47.70		-48.67		-47.80		-47.55	-31.06
	2400 MHz to 2494 GHz		-50.75		-49.78		-49.51		-49.95	-41.06
	2692 MHz to 3 GHz		-39.67		-40.15		-38.82		-40.06	-31.06
	3 GHz to 18 GHz		-43.85		-44.41		-44.47		-44.24	-31.06
	18 GHz to 27 GHz		-51.10		-51.29		-51.60		-51.31	-31.06
	9 kHz to 150 kHz	3	-65.03	10	-64.92	17	-64.94	24	-64.59	-61.06
	150 kHz to 30 MHz		-58.82		-59.01		-58.94		-57.85	-51.06
	30 MHz to 2400 MHz		-48.67		-47.41		-47.38		-48.09	-31.06
	2400 MHz to 2494 GHz		-49.91		-49.44		-50.35		-49.89	-41.06
	2692 MHz to 3 GHz		-39.88		-37.98		-39.67		-40.86	-31.06
	3 GHz to 18 GHz		-43.31		-45.15		-44.33		-43.37	-31.06
	18 GHz to 27 GHz		-51.59		-52.00		-51.40		-52.02	-31.06
	9 kHz to 150 kHz	4	-65.17	11	-65.11	18	-64.78	25	-64.93	-61.06
	150 kHz to 30 MHz		-59.37		-59.94		-58.91		-58.82	-51.06
	30 MHz to 2400 MHz		-46.37		-48.28		-48.21		-48.15	-31.06
	2400 MHz to 2494 GHz		-49.12		-50.42		-50.14		-49.68	-41.06
	2692 MHz to 3 GHz		-38.26		-40.40		-39.43		-39.47	-31.06
	3 GHz to 18 GHz		-43.90		-42.48		-44.21		-43.70	-31.06
	18 GHz to 27 GHz		-50.63		-51.38		-51.47		-51.00	-31.06
	9 kHz to 150 kHz	5	-64.93	12	-65.01	19	-64.76	26	-65.12	-61.06
	150 kHz to 30 MHz		-57.62		-57.26		-60.77		-59.66	-51.06
	30 MHz to 2400 MHz		-48.35		-48.09		-47.25		-48.54	-31.06
	2400 MHz to 2494 GHz		-49.73		-50.17		-50.26		-49.91	-41.06
	2692 MHz to 3 GHz		-40.28		-39.23		-40.23		-39.22	-31.06
	3 GHz to 18 GHz		-43.56		-42.94		-44.89		-44.58	-31.06
	18 GHz to 27 GHz		-51.66		-51.53		-51.06		-51.41	-31.06
	9 kHz to 150 kHz	6	-65.05	13	-65.03	20	-64.56	27	-64.67	-61.06
	150 kHz to 30 MHz		-58.76		-58.24		-59.23		-59.20	-51.06
	30 MHz to 2400 MHz		-48.55		-47.98		-48.97		-47.93	-31.06
	2400 MHz to 2494 GHz		-50.39		-50.41		-49.60		-50.04	-41.06
	2692 MHz to 3 GHz		-38.74		-40.23		-38.60		-39.79	-31.06
	3 GHz to 18 GHz		-43.56		-43.75		-44.16		-44.44	-31.06
18 GHz to 27 GHz	-51.55		-51.26		-51.99		-51.05		-31.06	

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)	Page 158 of 201	

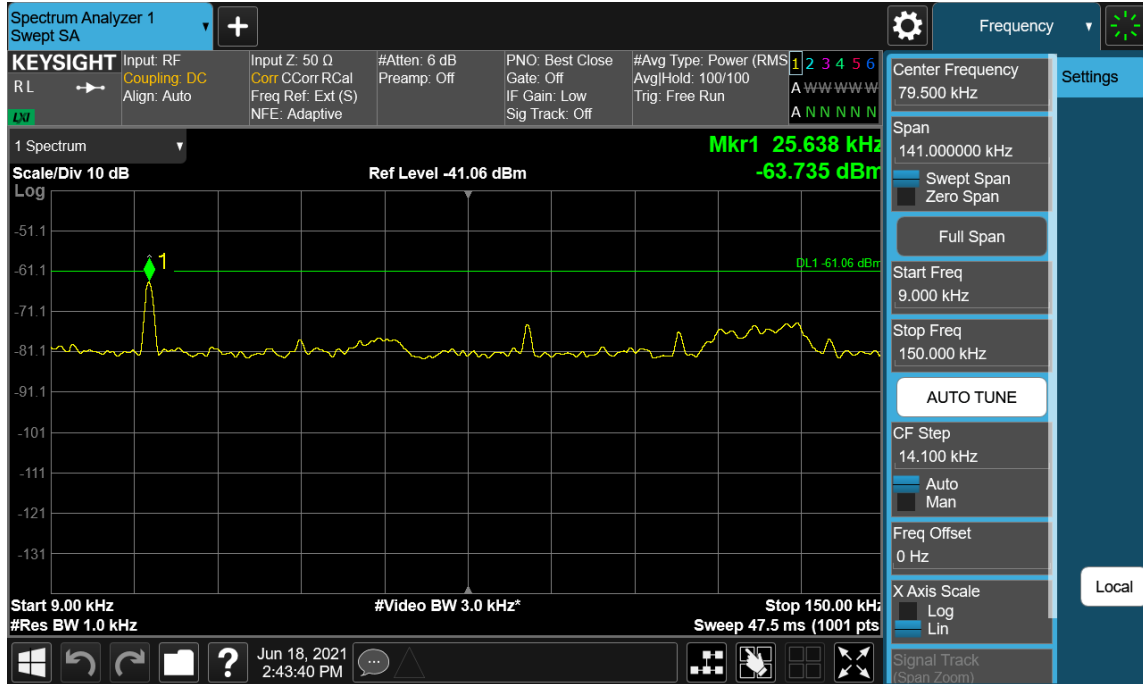
Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
Middle	9 kHz to 150 kHz	28	-65.34	35	-64.53	42	-65.20	49	-64.84	-61.06
	150 kHz to 30 MHz		-59.46		-59.42		-58.78		-60.00	-51.06
	30 MHz to 2400 MHz		-48.44		-48.26		-47.73		-47.74	-31.06
	2400 MHz to 2494 GHz		-50.78		-48.98		-50.25		-49.47	-41.06
	2692 MHz to 3 GHz		-38.95		-39.60		-40.00		-37.77	-31.06
	3 GHz to 18 GHz		-44.81		-43.67		-44.11		-43.70	-31.06
	18 GHz to 27 GHz		-50.88		-51.16		-51.17		-52.04	-31.06
	9 kHz to 150 kHz	29	-65.47	36	-64.47	43	-65.16	50	-64.60	-61.06
	150 kHz to 30 MHz		-58.90		-58.62		-58.56		-58.96	-51.06
	30 MHz to 2400 MHz		-47.19		-46.45		-47.80		-48.58	-31.06
2400 MHz to 2494 GHz	-48.80		-48.88		-49.46		-49.03		-41.06	
2692 MHz to 3 GHz	-40.04		-38.40		-39.50		-38.50		-31.06	
3 GHz to 18 GHz	-44.96		-44.30		-44.22		-44.28		-31.06	
18 GHz to 27 GHz	-51.44		-51.81		-51.74		-51.67		-31.06	
9 kHz to 150 kHz	30	-65.03	37	-64.23	44	-65.08	51	-65.08	-61.06	
150 kHz to 30 MHz		-58.70		-61.13		-58.02		-59.27	-51.06	
30 MHz to 2400 MHz		-48.63		-48.15		-48.24		-47.63	-31.06	
2400 MHz to 2494 GHz		-49.97		-49.09		-49.23		-48.74	-41.06	
2692 MHz to 3 GHz		-40.13		-39.11		-39.30		-38.04	-31.06	
3 GHz to 18 GHz		-43.59		-43.89		-43.94		-43.22	-31.06	
18 GHz to 27 GHz		-51.69		-51.59		-51.89		-51.90	-31.06	
9 kHz to 150 kHz	31	-65.02	38	-64.66	45	-65.13	52	-65.08	-61.06	
150 kHz to 30 MHz		-57.99		-59.09		-59.54		-59.15	-51.06	
30 MHz to 2400 MHz		-47.52		-47.64		-48.79		-47.81	-31.06	
2400 MHz to 2494 GHz		-49.37		-50.44		-50.09		-49.14	-41.06	
2692 MHz to 3 GHz		-38.52		-39.03		-39.44		-37.73	-31.06	
3 GHz to 18 GHz		-44.32		-44.14		-45.07		-43.61	-31.06	
18 GHz to 27 GHz		-51.75		-51.82		-51.76		-51.17	-31.06	
9 kHz to 150 kHz	32	-64.19	39	-64.73	46	-65.13	53	-64.69	-61.06	
150 kHz to 30 MHz		-59.33		-58.77		-57.91		-59.95	-51.06	
30 MHz to 2400 MHz		-47.68		-47.83		-48.13		-48.20	-31.06	
2400 MHz to 2494 GHz		-49.57		-48.87		-49.97		-49.18	-41.06	
2692 MHz to 3 GHz		-38.84		-38.48		-39.52		-38.90	-31.06	
3 GHz to 18 GHz		-43.75		-43.16		-44.71		-43.74	-31.06	
18 GHz to 27 GHz		-51.84		-51.05		-51.70		-51.74	-31.06	
9 kHz to 150 kHz	33	-64.48	40	-64.81	47	-65.21	54	-64.67	-61.06	
150 kHz to 30 MHz		-60.03		-56.52		-59.10		-59.66	-51.06	
30 MHz to 2400 MHz		-48.52		-48.11		-48.53		-47.94	-31.06	
2400 MHz to 2494 GHz		-49.03		-49.70		-49.18		-49.05	-41.06	
2692 MHz to 3 GHz		-38.68		-39.60		-37.74		-38.80	-31.06	
3 GHz to 18 GHz		-44.41		-44.61		-44.08		-43.22	-31.06	
18 GHz to 27 GHz		-51.22		-51.75		-51.57		-51.44	-31.06	
9 kHz to 150 kHz	34	-64.39	41	-64.97	48	-63.75	55	-65.06	-61.06	
150 kHz to 30 MHz		-60.72		-57.29		-58.44		-59.67	-51.06	
30 MHz to 2400 MHz		-47.26		-47.39		-46.90		-47.92	-31.06	
2400 MHz to 2494 GHz		-49.79		-49.65		-49.77		-49.45	-41.06	
2692 MHz to 3 GHz		-39.30		-38.95		-39.30		-37.98	-31.06	
3 GHz to 18 GHz		-43.84		-44.50		-44.17		-43.83	-31.06	
18 GHz to 27 GHz		-51.31		-50.99		-51.65		-51.67	-31.06	

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)			Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 159 of 201	

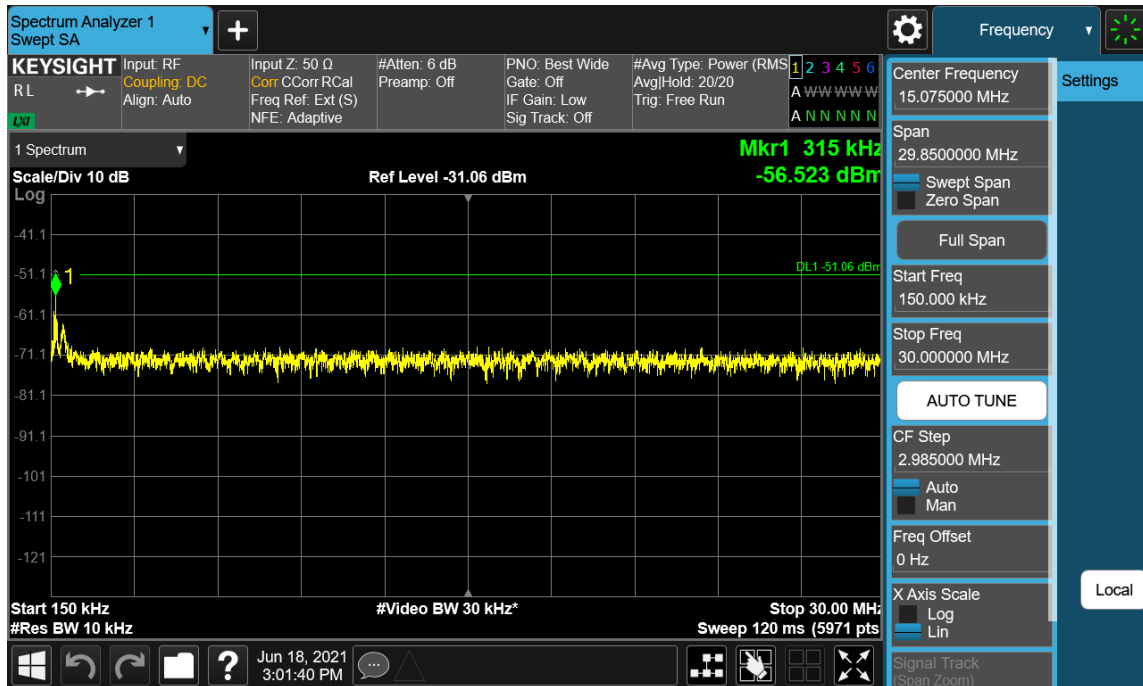
Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
Middle	9 kHz to 150 kHz	56	-63.74	60	-67.18	-61.06
	150 kHz to 30 MHz		-59.12		-60.91	-51.06
	30 MHz to 2400 MHz		-47.23		-47.37	-31.06
	2400 MHz to 2494 GHz		-49.32		-48.79	-41.06
	2692 MHz to 3 GHz		-38.18		-38.63	-31.06
	3 GHz to 18 GHz		-44.43		-44.19	-31.06
	18 GHz to 27 GHz		-51.83		-51.47	-31.06
	9 kHz to 150 kHz	57	-64.56	61	-64.71	-61.06
	150 kHz to 30 MHz		-58.46		-58.42	-51.06
	30 MHz to 2400 MHz		-47.96		-47.47	-31.06
	2400 MHz to 2494 GHz		-48.92		-49.29	-41.06
	2692 MHz to 3 GHz		-37.95		-39.77	-31.06
	3 GHz to 18 GHz		-44.40		-42.48	-31.06
	18 GHz to 27 GHz		-50.96		-51.94	-31.06
	9 kHz to 150 kHz	58	-65.38	62	-65.18	-61.06
	150 kHz to 30 MHz		-59.33		-60.24	-51.06
	30 MHz to 2400 MHz		-48.48		-47.82	-31.06
	2400 MHz to 2494 GHz		-48.53		-49.92	-41.06
	2692 MHz to 3 GHz		-38.41		-39.15	-31.06
	3 GHz to 18 GHz		-44.57		-44.16	-31.06
	18 GHz to 27 GHz		-51.78		-51.64	-31.06
	9 kHz to 150 kHz	59	-65.44	63	-65.31	-61.06
	150 kHz to 30 MHz		-58.24		-59.64	-51.06
	30 MHz to 2400 MHz		-48.36		-48.67	-31.06
	2400 MHz to 2494 GHz		-48.95		-49.20	-41.06
	2692 MHz to 3 GHz		-38.38		-37.86	-31.06
	3 GHz to 18 GHz		-44.31		-44.65	-31.06
18 GHz to 27 GHz	-51.62		-51.25		-31.06	

**Table 7-40. Conducted Spurious Emission Summary Data
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous_Middle Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 160 of 201

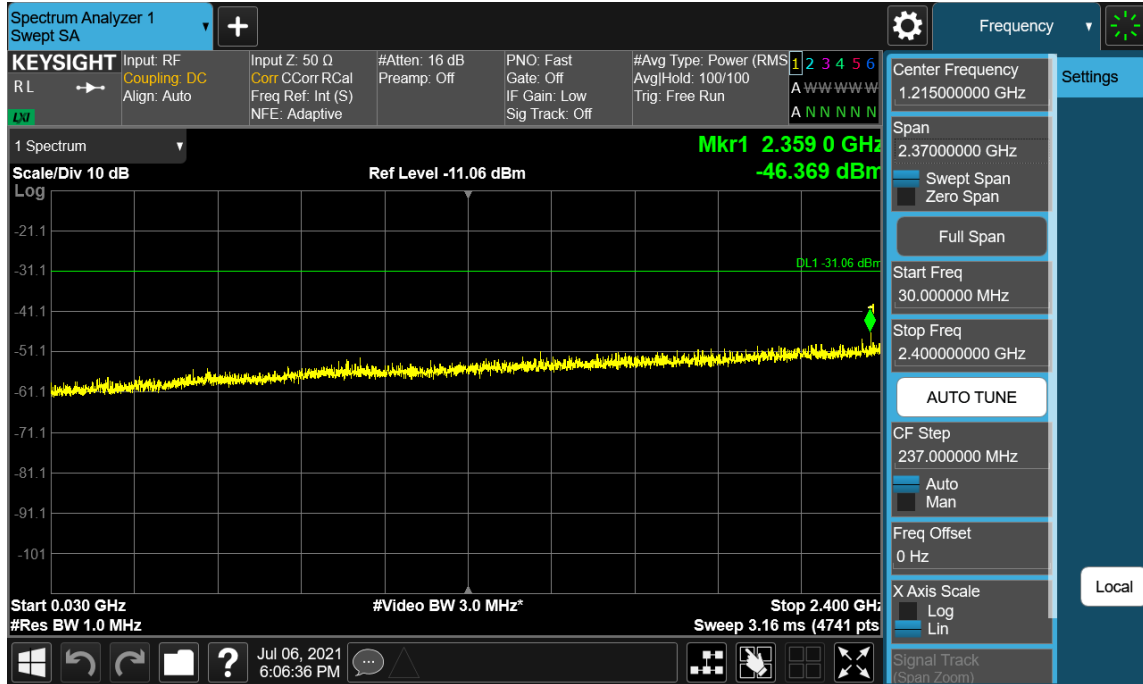


Plot 7-140. Conducted Spurious Emission Plot
9 kHz to 150 kHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 56)

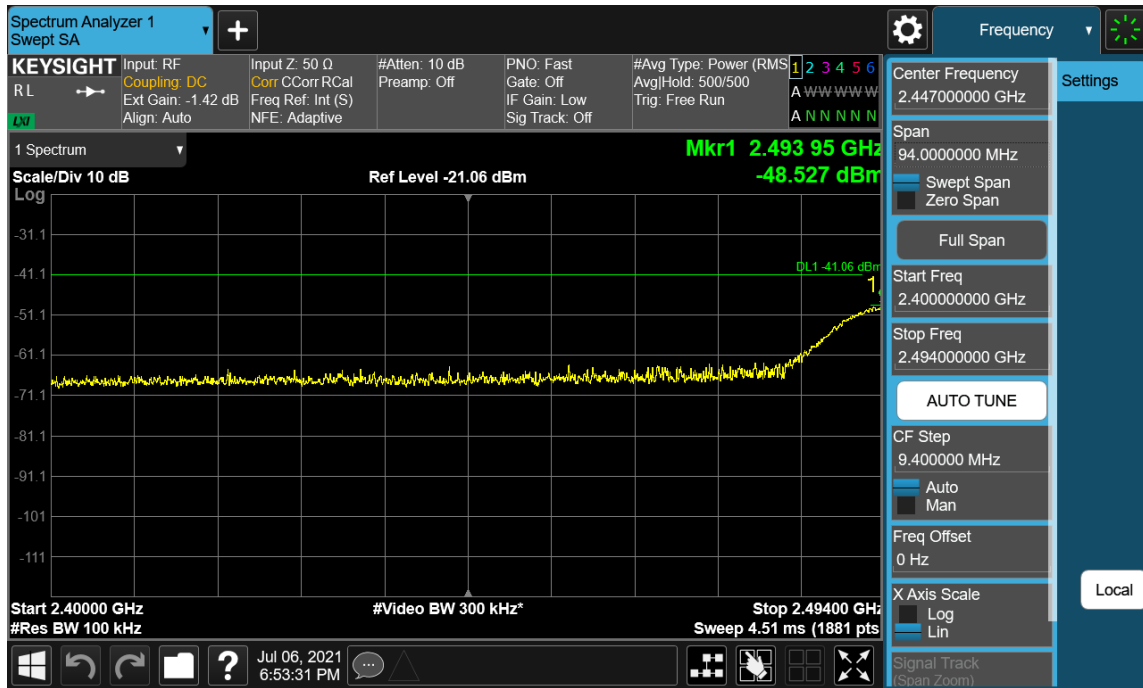


Plot 7-141. Conducted Spurious Emission Plot
150 kHz to 30 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 40)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 161 of 201

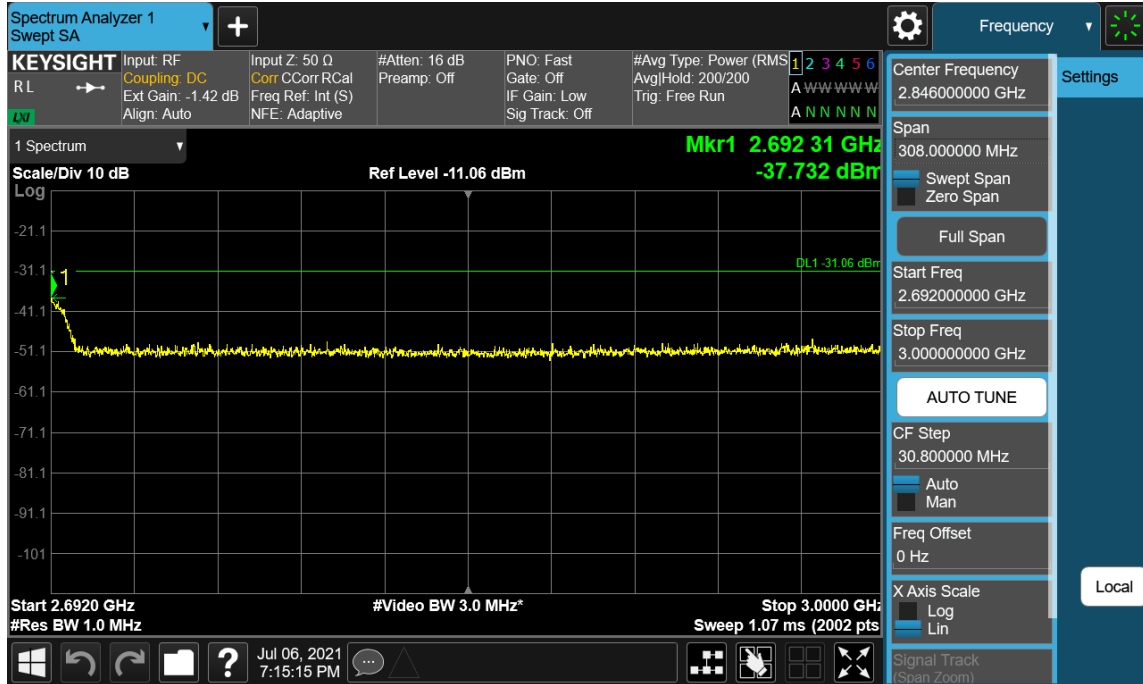


Plot 7-142. Conducted Spurious Emission Plot
30 MHz to 2400 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel Port 4)

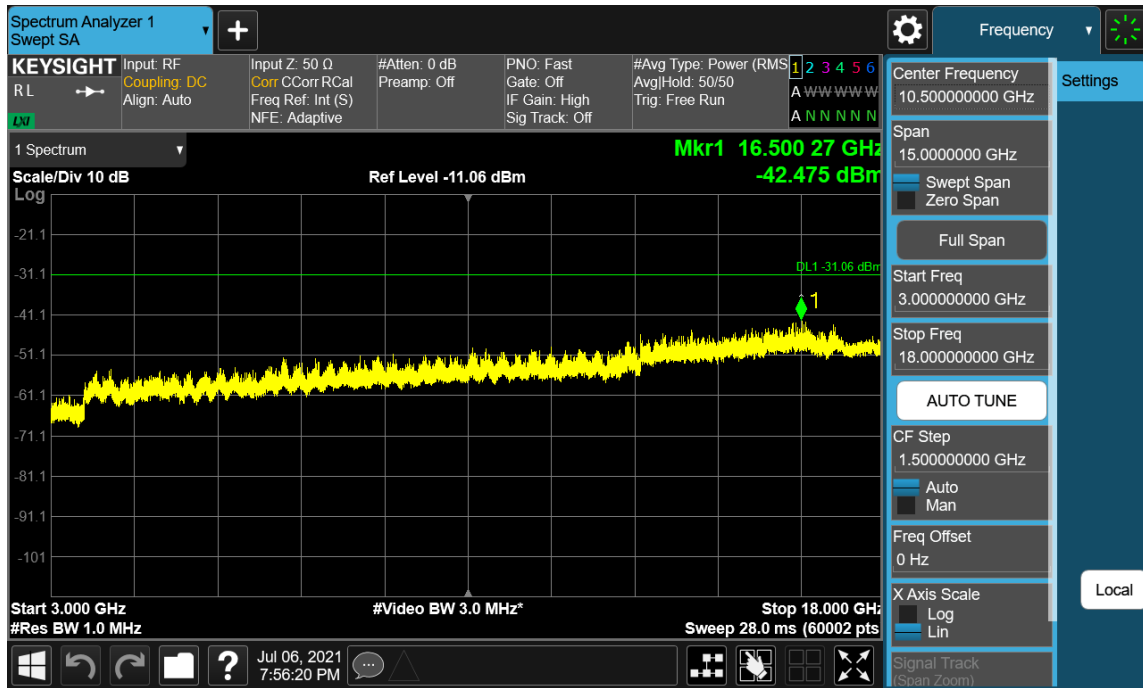


Plot 7-143. Conducted Spurious Emission Plot
2400 MHz to 2494 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 58)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 162 of 201

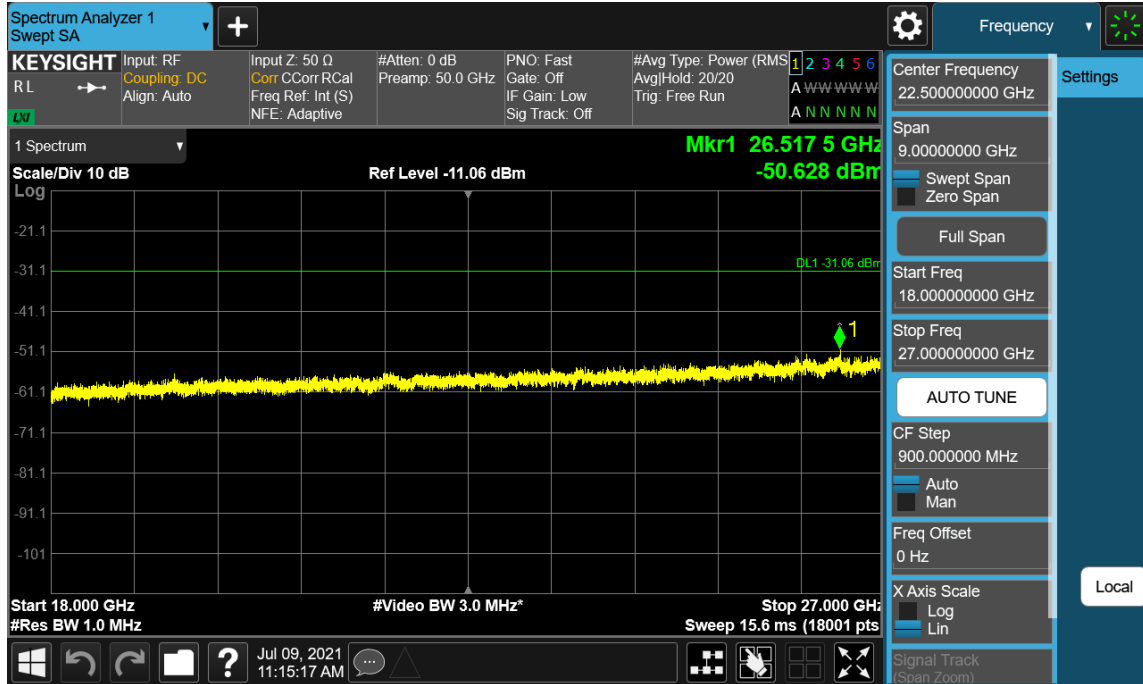


Plot 7-144. Conducted Spurious Emission Plot
2692 MHz to 3 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 52)



Plot 7-145. Conducted Spurious Emission Plot
3 GHz to 18 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 11)


FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
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Plot 7-146. Conducted Spurious Emission Plot
18 GHz to 27 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel_Port 4)

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Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
High	9 kHz to 150 kHz	0	-65.30	7	-65.44	14	-65.26	21	-65.85	-61.06
	150 kHz to 30 MHz		-58.89		-58.75		-59.56		-61.23	-51.06
	30 MHz to 2400 MHz		-48.10		-46.38		-48.48		-49.29	-31.06
	2400 MHz to 2494 GHz		-50.40		-50.78		-50.74		-50.19	-41.06
	2692 MHz to 3 GHz		-36.47		-37.39		-36.65		-37.19	-31.06
	3 GHz to 18 GHz		-43.96		-43.60		-43.68		-44.14	-31.06
	18 GHz to 27 GHz		-51.06		-51.91		-51.48		-50.94	-31.06
	9 kHz to 150 kHz	1	-65.67	8	-65.79	15	-65.62	22	-65.40	-61.06
	150 kHz to 30 MHz		-59.86		-59.46		-59.12		-60.02	-51.06
	30 MHz to 2400 MHz		-47.62		-48.35		-48.17		-47.47	-31.06
	2400 MHz to 2494 GHz		-50.55		-50.67		-50.61		-49.76	-41.06
	2692 MHz to 3 GHz		-37.69		-36.28		-37.62		-35.88	-31.06
	3 GHz to 18 GHz		-44.21		-44.40		-43.49		-44.90	-31.06
	18 GHz to 27 GHz		-50.90		-51.16		-51.75		-51.71	-31.06
	9 kHz to 150 kHz	2	-65.82	9	-65.21	16	-65.27	23	-65.55	-61.06
	150 kHz to 30 MHz		-60.69		-59.77		-58.71		-60.66	-51.06
	30 MHz to 2400 MHz		-48.95		-48.05		-48.05		-48.57	-31.06
	2400 MHz to 2494 GHz		-50.83		-50.62		-50.13		-51.34	-41.06
	2692 MHz to 3 GHz		-36.91		-36.97		-37.16		-37.47	-31.06
	3 GHz to 18 GHz		-43.92		-43.98		-44.48		-44.19	-31.06
	18 GHz to 27 GHz		-51.52		-51.85		-51.73		-50.99	-31.06
	9 kHz to 150 kHz	3	-65.61	10	-65.65	17	-65.49	24	-65.56	-61.06
	150 kHz to 30 MHz		-59.99		-59.51		-60.24		-60.19	-51.06
	30 MHz to 2400 MHz		-48.20		-48.71		-48.54		-48.00	-31.06
	2400 MHz to 2494 GHz		-50.24		-50.16		-51.37		-50.70	-41.06
	2692 MHz to 3 GHz		-37.27		-36.72		-36.69		-37.11	-31.06
	3 GHz to 18 GHz		-43.79		-44.84		-44.70		-44.83	-31.06
	18 GHz to 27 GHz		-51.64		-51.31		-51.49		-51.89	-31.06
	9 kHz to 150 kHz	4	-65.33	11	-65.17	18	-65.21	25	-65.28	-61.06
	150 kHz to 30 MHz		-60.98		-58.97		-60.11		-59.70	-51.06
	30 MHz to 2400 MHz		-47.73		-48.45		-48.60		-47.43	-31.06
	2400 MHz to 2494 GHz		-49.09		-50.57		-49.70		-49.31	-41.06
	2692 MHz to 3 GHz		-35.47		-37.75		-36.73		-37.62	-31.06
	3 GHz to 18 GHz		-43.34		-42.34		-44.85		-43.45	-31.06
	18 GHz to 27 GHz		-51.30		-51.50		-51.60		-51.29	-31.06
	9 kHz to 150 kHz	5	-65.48	12	-65.76	19	-65.63	26	-65.57	-61.06
	150 kHz to 30 MHz		-62.41		-61.29		-58.60		-59.93	-51.06
	30 MHz to 2400 MHz		-47.75		-48.12		-48.60		-47.62	-31.06
	2400 MHz to 2494 GHz		-50.67		-50.11		-50.95		-50.43	-41.06
	2692 MHz to 3 GHz		-37.16		-36.82		-36.74		-36.17	-31.06
	3 GHz to 18 GHz		-44.17		-46.74		-44.66		-43.58	-31.06
	18 GHz to 27 GHz		-51.02		-51.60		-51.92		-51.42	-31.06
	9 kHz to 150 kHz	6	-65.86	13	-65.65	20	-65.45	27	-65.37	-61.06
	150 kHz to 30 MHz		-60.53		-60.04		-59.63		-59.70	-51.06
	30 MHz to 2400 MHz		-48.76		-47.84		-48.04		-47.61	-31.06
	2400 MHz to 2494 GHz		-50.95		-50.32		-49.57		-50.61	-41.06
	2692 MHz to 3 GHz		-37.20		-36.89		-36.67		-37.96	-31.06
	3 GHz to 18 GHz		-44.60		-43.70		-44.83		-44.63	-31.06
18 GHz to 27 GHz	-51.41		-51.48		-51.47		-50.95		-31.06	

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Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
High	9 kHz to 150 kHz	28	-65.66	35	-64.88	42	-65.70	49	-65.64	-61.06
	150 kHz to 30 MHz		-59.69		-60.25		-62.11		-59.17	-51.06
	30 MHz to 2400 MHz		-48.35		-46.65		-47.66		-47.93	-31.06
	2400 MHz to 2494 GHz		-50.75		-49.76		-50.44		-49.68	-41.06
	2692 MHz to 3 GHz		-36.74		-36.81		-38.48		-37.04	-31.06
	3 GHz to 18 GHz		-43.99		-44.04		-44.12		-43.92	-31.06
	18 GHz to 27 GHz		-51.31		-51.74		-51.88		-51.77	-31.06
	9 kHz to 150 kHz	29	-65.89	36	-65.52	43	-65.51	50	-65.29	-61.06
	150 kHz to 30 MHz		-60.64		-60.84		-61.43		-61.29	-51.06
	30 MHz to 2400 MHz		-48.67		-47.94		-47.49		-48.05	-31.06
	2400 MHz to 2494 GHz		-50.25		-49.30		-49.94		-49.73	-41.06
	2692 MHz to 3 GHz		-37.18		-36.16		-36.73		-37.58	-31.06
	3 GHz to 18 GHz		-44.52		-44.46		-44.65		-44.55	-31.06
	18 GHz to 27 GHz		-51.38		-51.66		-51.25		-51.60	-31.06
	9 kHz to 150 kHz	30	-65.50	37	-65.36	44	-65.84	51	-65.49	-61.06
	150 kHz to 30 MHz		-61.44		-59.92		-59.90		-58.51	-51.06
	30 MHz to 2400 MHz		-47.57		-47.24		-47.58		-46.92	-31.06
	2400 MHz to 2494 GHz		-49.84		-50.39		-49.97		-49.73	-41.06
	2692 MHz to 3 GHz		-37.42		-37.07		-37.33		-35.88	-31.06
	3 GHz to 18 GHz		-44.54		-44.02		-44.67		-44.61	-31.06
	18 GHz to 27 GHz		-51.81		-51.70		-51.70		-51.23	-31.06
	9 kHz to 150 kHz	31	-65.63	38	-65.43	45	-65.45	52	-65.39	-61.06
	150 kHz to 30 MHz		-60.78		-60.77		-60.89		-61.72	-51.06
	30 MHz to 2400 MHz		-48.54		-47.34		-48.36		-48.34	-31.06
	2400 MHz to 2494 GHz		-49.69		-51.00		-50.64		-50.30	-41.06
	2692 MHz to 3 GHz		-36.70		-37.24		-37.47		-36.53	-31.06
	3 GHz to 18 GHz		-43.97		-43.64		-45.00		-44.50	-31.06
	18 GHz to 27 GHz		-50.97		-51.74		-51.04		-51.00	-31.06
	9 kHz to 150 kHz	32	-64.83	39	-65.14	46	-65.51	53	-65.39	-61.06
	150 kHz to 30 MHz		-60.40		-59.60		-60.80		-59.54	-51.06
	30 MHz to 2400 MHz		-47.42		-47.89		-48.30		-48.15	-31.06
	2400 MHz to 2494 GHz		-49.97		-49.76		-50.19		-50.33	-41.06
	2692 MHz to 3 GHz		-36.67		-36.62		-37.51		-36.46	-31.06
	3 GHz to 18 GHz		-44.11		-44.48		-45.14		-44.05	-31.06
	18 GHz to 27 GHz		-51.61		-46.23		-51.35		-46.89	-31.06
	9 kHz to 150 kHz	33	-65.10	40	-65.63	47	-65.63	54	-65.12	-61.06
	150 kHz to 30 MHz		-59.47		-60.60		-57.92		-60.21	-51.06
	30 MHz to 2400 MHz		-48.61		-48.15		-47.74		-47.32	-31.06
	2400 MHz to 2494 GHz		-49.97		-49.70		-50.01		-49.68	-41.06
	2692 MHz to 3 GHz		-36.02		-36.93		-36.58		-36.70	-31.06
	3 GHz to 18 GHz		-43.55		-44.22		-44.24		-43.18	-31.06
	18 GHz to 27 GHz		-51.61		-50.76		-51.78		-51.65	-31.06
	9 kHz to 150 kHz	34	-65.12	41	-65.29	48	-64.59	55	-65.58	-61.06
	150 kHz to 30 MHz		-61.17		-58.06		-60.03		-60.05	-51.06
	30 MHz to 2400 MHz		-48.19		-47.93		-47.34		-47.58	-31.06
	2400 MHz to 2494 GHz		-50.28		-50.08		-50.19		-49.73	-41.06
	2692 MHz to 3 GHz		-36.37		-36.23		-36.74		-37.15	-31.06
	3 GHz to 18 GHz		-43.87		-44.17		-43.73		-44.28	-31.06
18 GHz to 27 GHz	-51.95		-51.87		-52.05		-51.25		-31.06	

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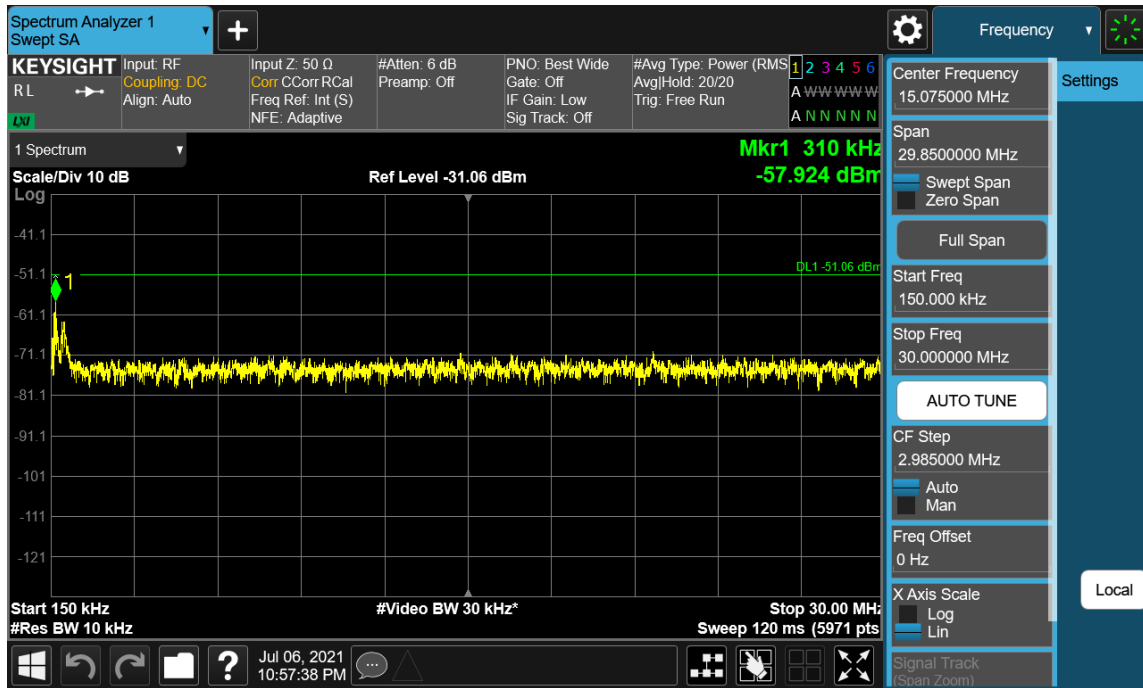
Channel	Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
High	9 kHz to 150 kHz	56	-64.53	60	-67.29	-61.06
	150 kHz to 30 MHz		-60.95		-60.35	-51.06
	30 MHz to 2400 MHz		-47.34		-48.94	-31.06
	2400 MHz to 2494 GHz		-50.04		-49.74	-41.06
	2692 MHz to 3 GHz		-37.12		-36.69	-31.06
	3 GHz to 18 GHz		-44.37		-44.97	-31.06
	18 GHz to 27 GHz	-51.73	-51.45	-31.06		
	9 kHz to 150 kHz	57	-65.14	61	-65.22	-61.06
	150 kHz to 30 MHz		-60.08		-61.66	-51.06
	30 MHz to 2400 MHz		-48.38		-47.84	-31.06
	2400 MHz to 2494 GHz		-49.50		-50.41	-41.06
	2692 MHz to 3 GHz		-36.73		-38.04	-31.06
	3 GHz to 18 GHz		-44.21		-44.24	-31.06
	18 GHz to 27 GHz	-51.80	-51.78	-31.06		
	9 kHz to 150 kHz	58	-65.63	62	-65.62	-61.06
	150 kHz to 30 MHz		-61.61		-58.72	-51.06
	30 MHz to 2400 MHz		-47.50		-48.52	-31.06
	2400 MHz to 2494 GHz		-49.96		-50.68	-41.06
	2692 MHz to 3 GHz		-36.61		-37.19	-31.06
	3 GHz to 18 GHz		-44.50		-44.55	-31.06
	18 GHz to 27 GHz	-51.83	-51.58	-31.06		
	9 kHz to 150 kHz	59	-65.81	63	-65.90	-61.06
	150 kHz to 30 MHz		-60.76		-60.59	-51.06
	30 MHz to 2400 MHz		-48.35		-47.48	-31.06
	2400 MHz to 2494 GHz		-50.19		-49.52	-41.06
	2692 MHz to 3 GHz		-36.27		-35.25	-31.06
	3 GHz to 18 GHz		-44.26		-44.57	-31.06
18 GHz to 27 GHz	-51.24	-51.32	-31.06			

**Table 7-41. Conducted Spurious Emission Summary Data
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous_High Channel)**

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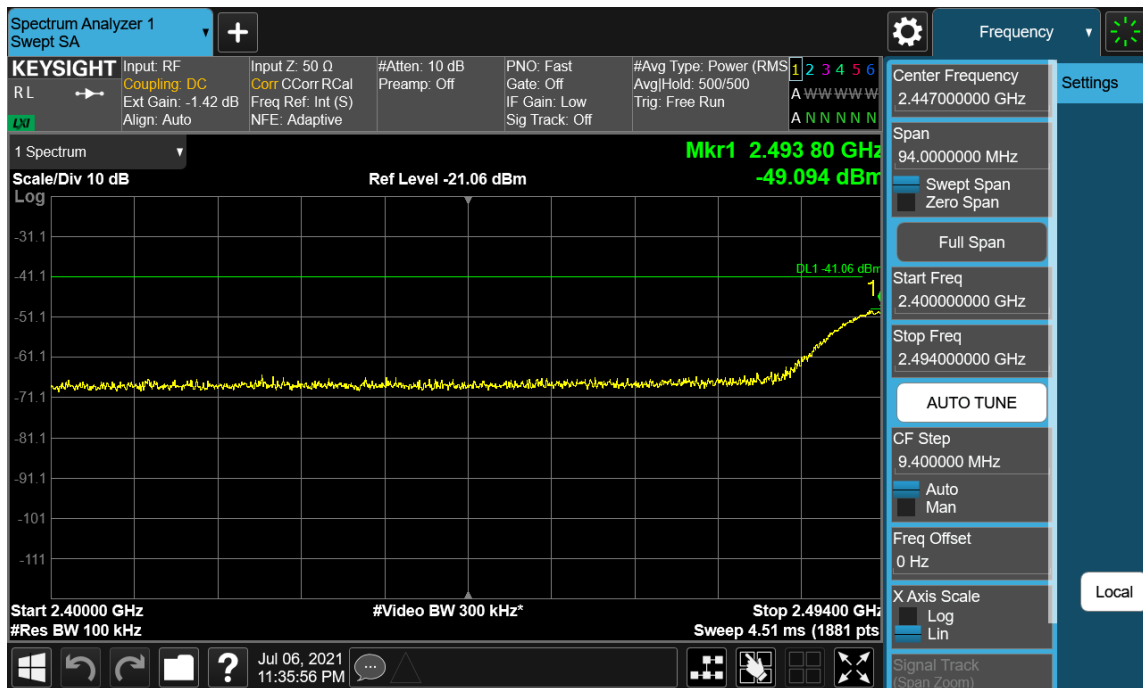
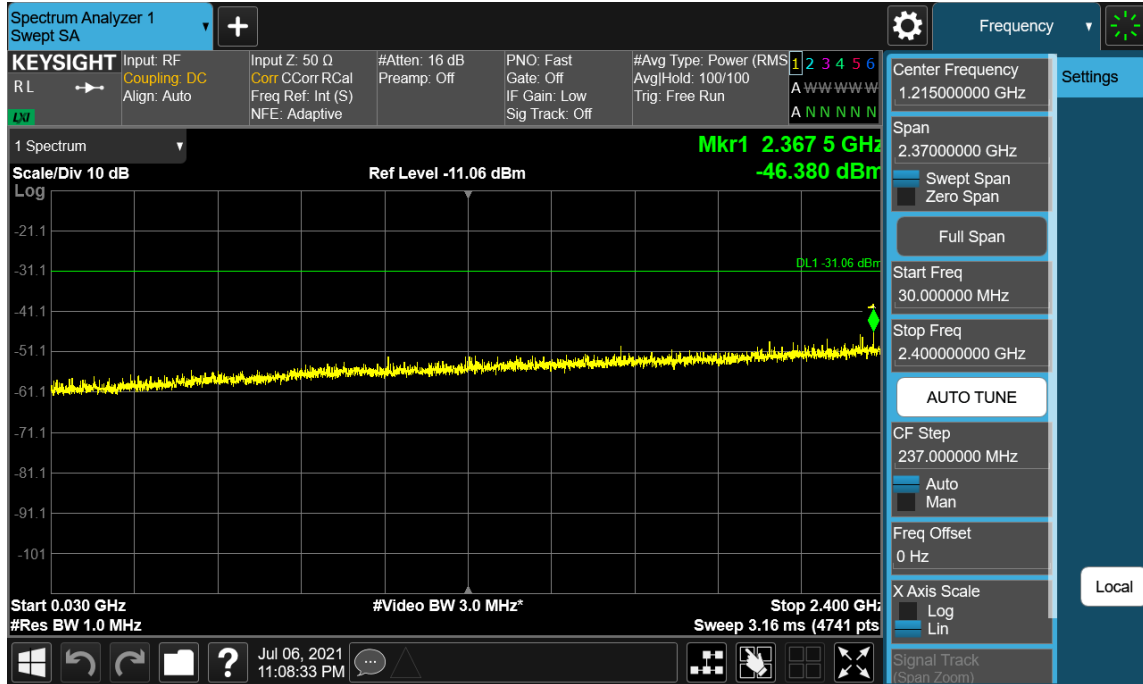



Plot 7-147. Conducted Spurious Emission Plot
9 kHz to 150 kHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel_Port 56)

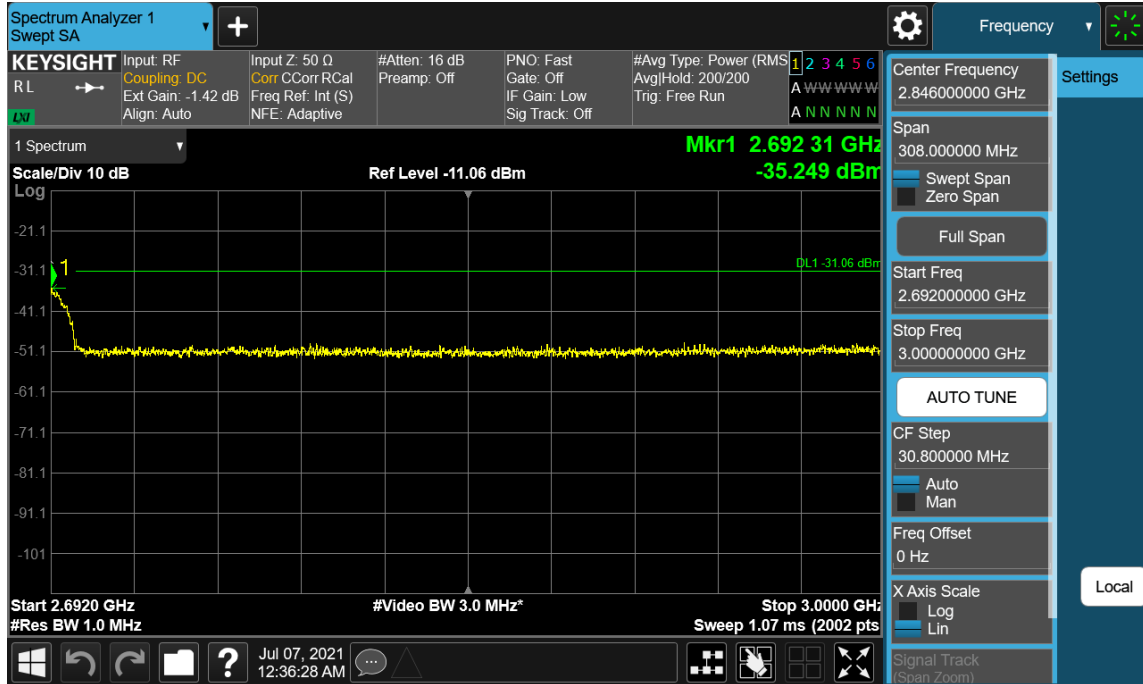


Plot 7-148. Conducted Spurious Emission Plot
150 kHz to 30 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel_Port 47)

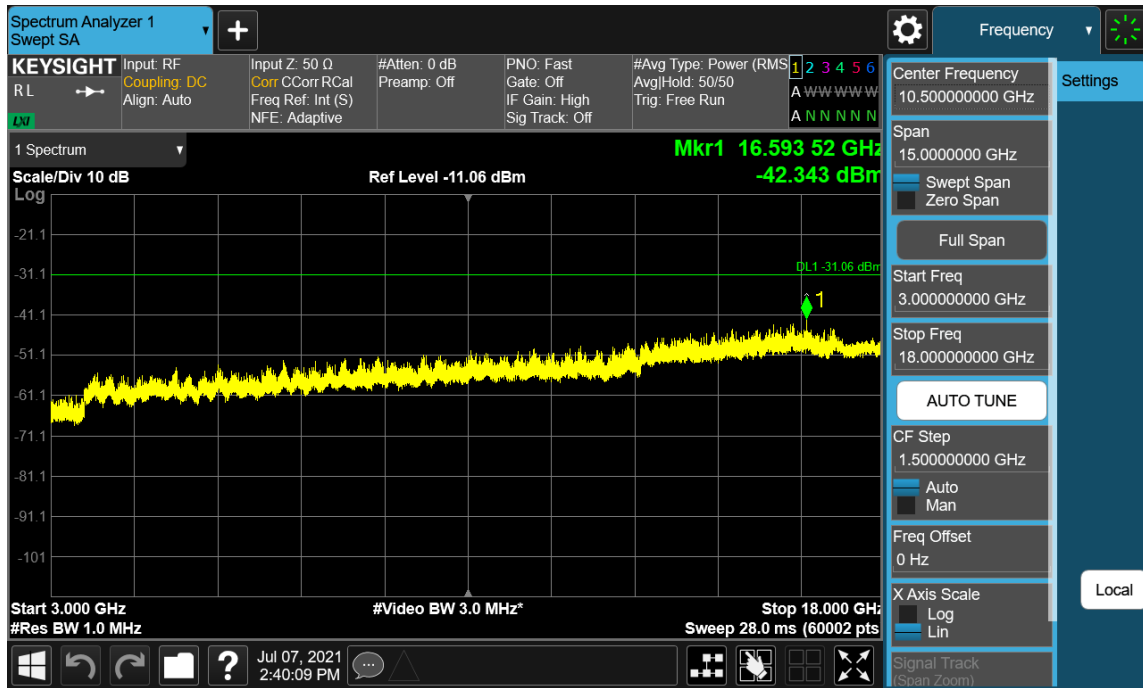
FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)	SAMSUNG	Approved by: Technical Manager
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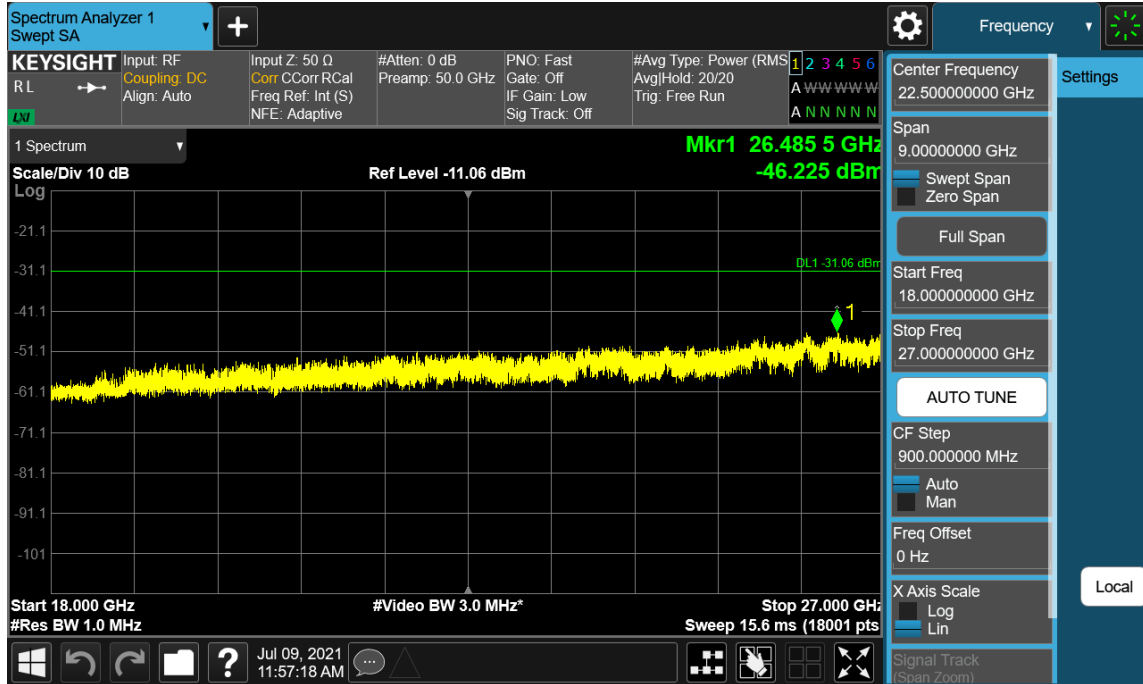


Plot 7-151. Conducted Spurious Emission Plot
 2692 MHz to 3 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel_Port 63)



Plot 7-152. Conducted Spurious Emission Plot
 3 GHz to 18 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel_Port 11)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
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Plot 7-153. Conducted Spurious Emission Plot
18 GHz to 27 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel_Port 39)


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- Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous Configuraiton

Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
9 kHz to 150 kHz	0	-65.96	7	-65.76	14	-65.94	21	-66.07	-61.06
150 kHz to 30 MHz		-58.95		-60.27		-57.89		-60.08	-51.06
30 MHz to 2400 MHz		-48.03		-48.05		-48.11		-47.72	-31.06
2400 MHz to 2494 GHz		-48.25		-48.62		-47.65		-48.84	-41.06
2692 MHz to 3 GHz		-36.75		-37.32		-36.65		-36.58	-31.06
3 GHz to 18 GHz		-43.28		-43.68		-43.00		-44.05	-31.06
18 GHz to 27 GHz		-50.99		-51.88		-51.51		-51.46	-31.06
9 kHz to 150 kHz	1	-66.13	8	-65.92	15	-65.93	22	-65.82	-61.06
150 kHz to 30 MHz		-59.09		-58.20		-59.58		-58.73	-51.06
30 MHz to 2400 MHz		-48.65		-47.99		-47.63		-47.10	-31.06
2400 MHz to 2494 GHz		-47.82		-47.61		-48.16		-47.29	-41.06
2692 MHz to 3 GHz		-36.64		-36.87		-37.78		-36.23	-31.06
3 GHz to 18 GHz		-43.31		-42.82		-43.41		-44.07	-31.06
18 GHz to 27 GHz		-51.43		-51.69		-51.76		-51.07	-31.06
9 kHz to 150 kHz	2	-66.12	9	-65.61	16	-65.41	23	-66.20	-61.06
150 kHz to 30 MHz		-60.44		-58.26		-60.31		-59.46	-51.06
30 MHz to 2400 MHz		-48.01		-47.61		-48.22		-47.78	-31.06
2400 MHz to 2494 GHz		-48.24		-48.22		-47.92		-47.68	-41.06
2692 MHz to 3 GHz		-36.54		-37.07		-36.46		-36.90	-31.06
3 GHz to 18 GHz		-43.36		-44.49		-43.59		-44.08	-31.06
18 GHz to 27 GHz		-51.32		-51.05		-51.43		-51.48	-31.06
9 kHz to 150 kHz	3	-65.74	10	-65.73	17	-65.48	24	-65.98	-61.06
150 kHz to 30 MHz		-59.14		-59.12		-57.83		-59.93	-51.06
30 MHz to 2400 MHz		-48.03		-47.00		-47.30		-48.07	-31.06
2400 MHz to 2494 GHz		-48.15		-47.03		-48.27		-47.94	-41.06
2692 MHz to 3 GHz		-35.66		-36.10		-36.07		-37.35	-31.06
3 GHz to 18 GHz		-43.83		-44.77		-43.63		-43.24	-31.06
18 GHz to 27 GHz		-51.24		-51.07		-51.29		-51.98	-31.06
9 kHz to 150 kHz	4	-66.02	11	-65.79	18	-65.68	25	-65.84	-61.06
150 kHz to 30 MHz		-60.00		-59.07		-61.01		-59.77	-51.06
30 MHz to 2400 MHz		-48.41		-48.64		-47.79		-48.08	-31.06
2400 MHz to 2494 GHz		-47.00		-48.50		-47.51		-47.07	-41.06
2692 MHz to 3 GHz		-35.84		-36.70		-36.62		-37.38	-31.06
3 GHz to 18 GHz		-42.64		-42.08		-44.22		-43.34	-31.06
18 GHz to 27 GHz		-51.52		-51.87		-51.61		-51.61	-31.06
9 kHz to 150 kHz	5	-65.82	12	-66.03	19	-65.78	26	-65.84	-61.06
150 kHz to 30 MHz		-61.43		-57.98		-60.65		-58.76	-51.06
30 MHz to 2400 MHz		-48.16		-46.66		-47.70		-48.17	-31.06
2400 MHz to 2494 GHz		-47.39		-47.43		-48.22		-48.04	-41.06
2692 MHz to 3 GHz		-36.22		-36.65		-37.15		-36.51	-31.06
3 GHz to 18 GHz		-43.31		-42.98		-44.15		-43.75	-31.06
18 GHz to 27 GHz		-51.28		-51.45		-51.48		-51.83	-31.06
9 kHz to 150 kHz	6	-65.51	13	-66.31	20	-65.60	27	-65.38	-61.06
150 kHz to 30 MHz		-60.41		-59.12		-58.51		-60.06	-51.06
30 MHz to 2400 MHz		-48.27		-47.69		-47.81		-47.69	-31.06
2400 MHz to 2494 GHz		-48.08		-48.10		-48.23		-48.27	-41.06
2692 MHz to 3 GHz		-36.29		-37.61		-36.21		-37.09	-31.06
3 GHz to 18 GHz		-43.18		-43.42		-44.02		-42.21	-31.06
18 GHz to 27 GHz		-51.37		-51.71		-51.63		-51.77	-31.06

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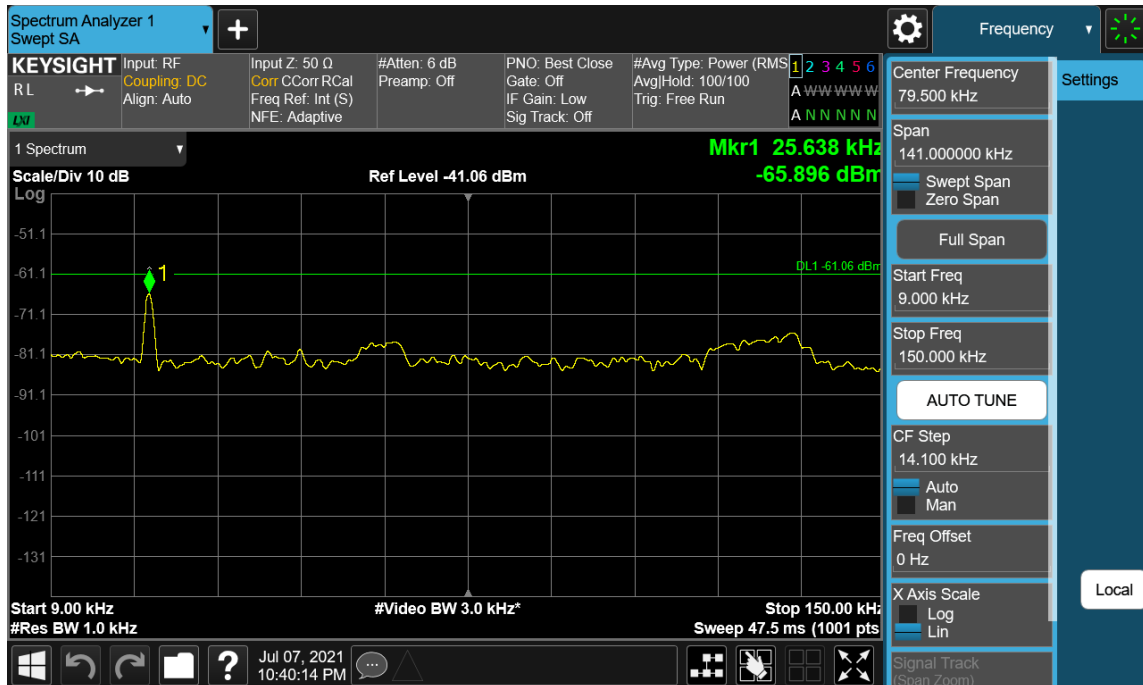
Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
9 kHz to 150 kHz	28	-65.79	35	-65.22	42	-65.79	49	-65.83	-61.06
150 kHz to 30 MHz		-58.63		-60.33		-57.16		-59.94	-51.06
30 MHz to 2400 MHz		-47.53		-46.63		-47.97		-47.15	-31.06
2400 MHz to 2494 GHz		-48.25		-47.74		-48.51		-47.73	-41.06
2692 MHz to 3 GHz		-36.28		-36.89		-37.10		-36.07	-31.06
3 GHz to 18 GHz		-43.40		-43.86		-44.20		-42.16	-31.06
18 GHz to 27 GHz		-51.29		-51.94		-51.55		-51.53	-31.06
9 kHz to 150 kHz	29	-65.73	36	-65.62	43	-65.86	50	-65.79	-61.06
150 kHz to 30 MHz		-61.27		-62.04		-56.98		-61.89	-51.06
30 MHz to 2400 MHz		-47.26		-46.38		-47.68		-47.42	-31.06
2400 MHz to 2494 GHz		-47.82		-46.96		-47.96		-47.47	-41.06
2692 MHz to 3 GHz		-36.81		-36.48		-36.46		-36.51	-31.06
3 GHz to 18 GHz		-43.01		-43.40		-43.21		-43.45	-31.06
18 GHz to 27 GHz		-51.38		-51.82		-51.71		-51.53	-31.06
9 kHz to 150 kHz	30	-65.77	37	-65.59	44	-48.01	51	-65.59	-61.06
150 kHz to 30 MHz		-58.71		-60.06		-60.26		-60.50	-51.06
30 MHz to 2400 MHz		-47.71		-48.27		-47.40		-47.79	-31.06
2400 MHz to 2494 GHz		-47.61		-47.77		-47.68		-46.84	-41.06
2692 MHz to 3 GHz		-36.64		-37.40		-37.21		-35.71	-31.06
3 GHz to 18 GHz		-43.58		-44.40		-44.37		-43.25	-31.06
18 GHz to 27 GHz		-51.96		-51.98		-51.47		-51.97	-31.06
9 kHz to 150 kHz	31	-65.81	38	-65.80	45	-65.92	52	-65.39	-61.06
150 kHz to 30 MHz		-59.88		-57.52		-58.06		-58.43	-51.06
30 MHz to 2400 MHz		-48.77		-47.44		-47.82		-46.70	-31.06
2400 MHz to 2494 GHz		-46.68		-48.23		-47.96		-46.99	-41.06
2692 MHz to 3 GHz		-35.07		-36.57		-37.38		-36.11	-31.06
3 GHz to 18 GHz		-43.43		-43.44		-43.76		-42.85	-31.06
18 GHz to 27 GHz		-51.56		-51.71		-51.23		-51.77	-31.06
9 kHz to 150 kHz	32	-65.32	39	-65.27	46	-65.86	53	-65.56	-61.06
150 kHz to 30 MHz		-60.33		-59.58		-59.70		-59.26	-51.06
30 MHz to 2400 MHz		-47.58		-48.29		-48.26		-46.69	-31.06
2400 MHz to 2494 GHz		-47.78		-47.22		-47.92		-47.50	-41.06
2692 MHz to 3 GHz		-36.62		-36.11		-37.43		-36.64	-31.06
3 GHz to 18 GHz		-42.27		-42.17		-43.46		-43.19	-31.06
18 GHz to 27 GHz		-51.45		-51.54		-51.08		-51.01	-31.06
9 kHz to 150 kHz	33	-65.41	40	-65.89	47	-66.19	54	-65.43	-61.06
150 kHz to 30 MHz		-60.00		-59.84		-59.60		-58.29	-51.06
30 MHz to 2400 MHz		-48.36		-46.41		-47.44		-47.70	-31.06
2400 MHz to 2494 GHz		-46.32		-47.54		-47.50		-46.67	-41.06
2692 MHz to 3 GHz		-35.45		-36.32		-35.77		-36.79	-31.06
3 GHz to 18 GHz		-43.85		-43.93		-43.71		-42.31	-31.06
18 GHz to 27 GHz		-51.60		-51.17		-51.36		-51.40	-31.06
9 kHz to 150 kHz	34	-65.38	41	-65.89	48	-64.46	55	-66.07	-61.06
150 kHz to 30 MHz		-60.98		-59.08		-61.19		-59.80	-51.06
30 MHz to 2400 MHz		-47.50		-47.18		-48.31		-46.33	-31.06
2400 MHz to 2494 GHz		-47.90		-47.48		-47.09		-46.95	-41.06
2692 MHz to 3 GHz		-35.79		-35.71		-36.52		-36.03	-31.06
3 GHz to 18 GHz		-43.86		-43.50		-43.91		-44.10	-31.06
18 GHz to 27 GHz		-51.83		-46.37		-51.27		-51.49	-31.06

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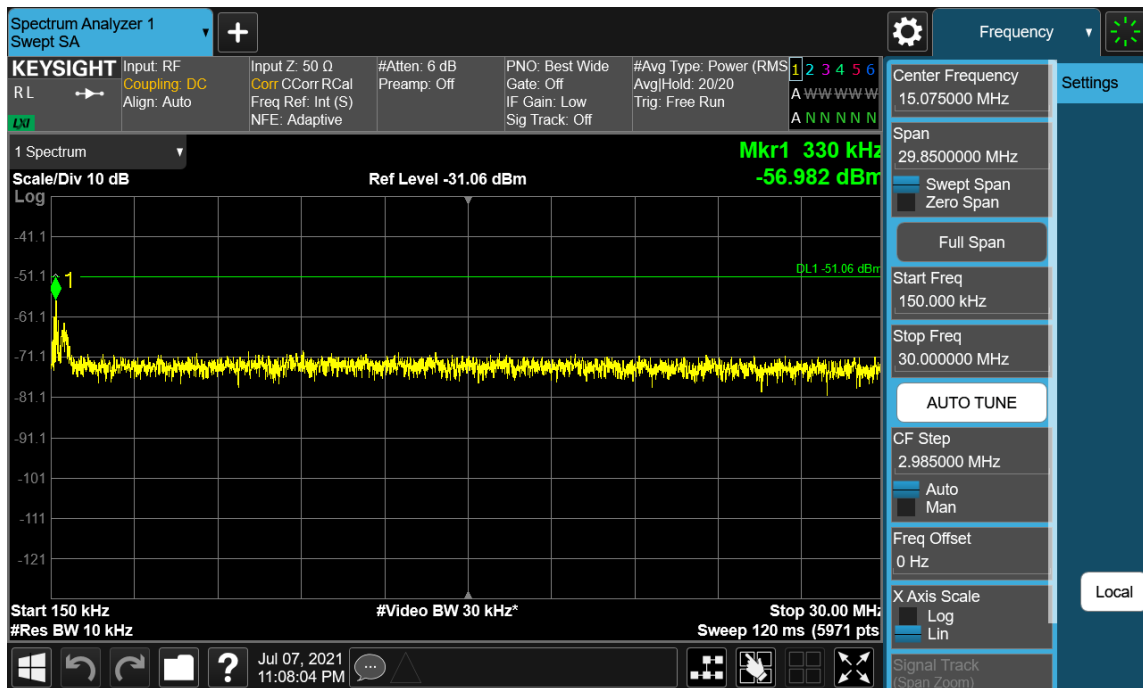
Measurement Range	Port #	Level (dBm)	Port #	Level (dBm)	Limit (dBm)
9 kHz to 150 kHz	56	-64.85	60	-67.90	-61.06
150 kHz to 30 MHz		-59.80		-59.07	-51.06
30 MHz to 2400 MHz		-47.17		-48.11	-31.06
2400 MHz to 2494 GHz		-47.50		-47.08	-41.06
2692 MHz to 3 GHz		-36.73		-36.23	-31.06
3 GHz to 18 GHz		-43.12		-43.89	-31.06
18 GHz to 27 GHz		-51.20		-51.49	-31.06
9 kHz to 150 kHz	57	-65.43	61	-65.40	-61.06
150 kHz to 30 MHz		-61.22		-60.02	-51.06
30 MHz to 2400 MHz		-47.85		-47.93	-31.06
2400 MHz to 2494 GHz		-46.65		-47.03	-41.06
2692 MHz to 3 GHz		-36.00		-36.49	-31.06
3 GHz to 18 GHz		-43.63		-43.30	-31.06
18 GHz to 27 GHz		-51.70		-51.86	-31.06
9 kHz to 150 kHz	58	-66.13	62	-65.55	-61.06
150 kHz to 30 MHz		-58.45		-61.00	-51.06
30 MHz to 2400 MHz		-47.39		-47.81	-31.06
2400 MHz to 2494 GHz		-46.74		-48.14	-41.06
2692 MHz to 3 GHz		-36.99		-36.87	-31.06
3 GHz to 18 GHz		-43.88		-43.19	-31.06
18 GHz to 27 GHz		-51.31		-51.35	-31.06
9 kHz to 150 kHz	59	-66.20	63	-66.18	-61.06
150 kHz to 30 MHz		-60.86		-61.11	-51.06
30 MHz to 2400 MHz		-47.85		-47.87	-31.06
2400 MHz to 2494 GHz		-47.22		-46.70	-41.06
2692 MHz to 3 GHz		-36.30		-35.34	-31.06
3 GHz to 18 GHz		-43.59		-43.87	-31.06
18 GHz to 27 GHz		-51.73		-51.61	-31.06

**Table 7-42. Conducted Spurious Emission Summary Data
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)	Page 174 of 201	

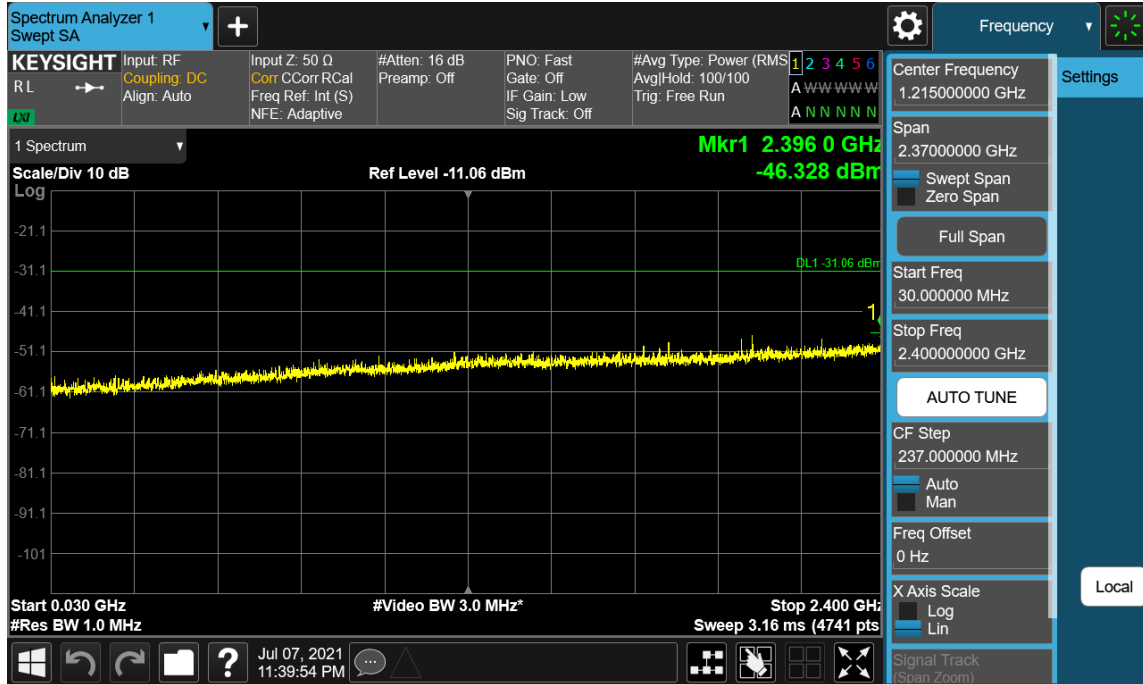


Plot 7-154. Conducted Spurious Emission Plot
9 kHz to 150 kHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 44)

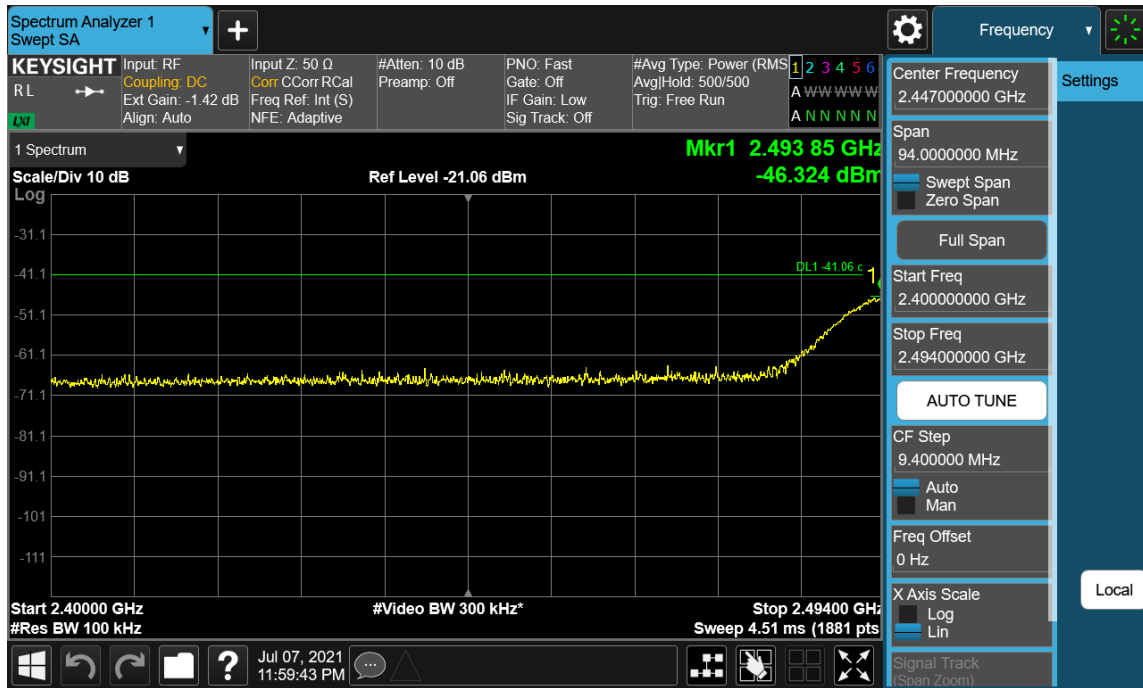


Plot 7-155. Conducted Spurious Emission Plot
150 kHz to 30 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 43)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 175 of 201

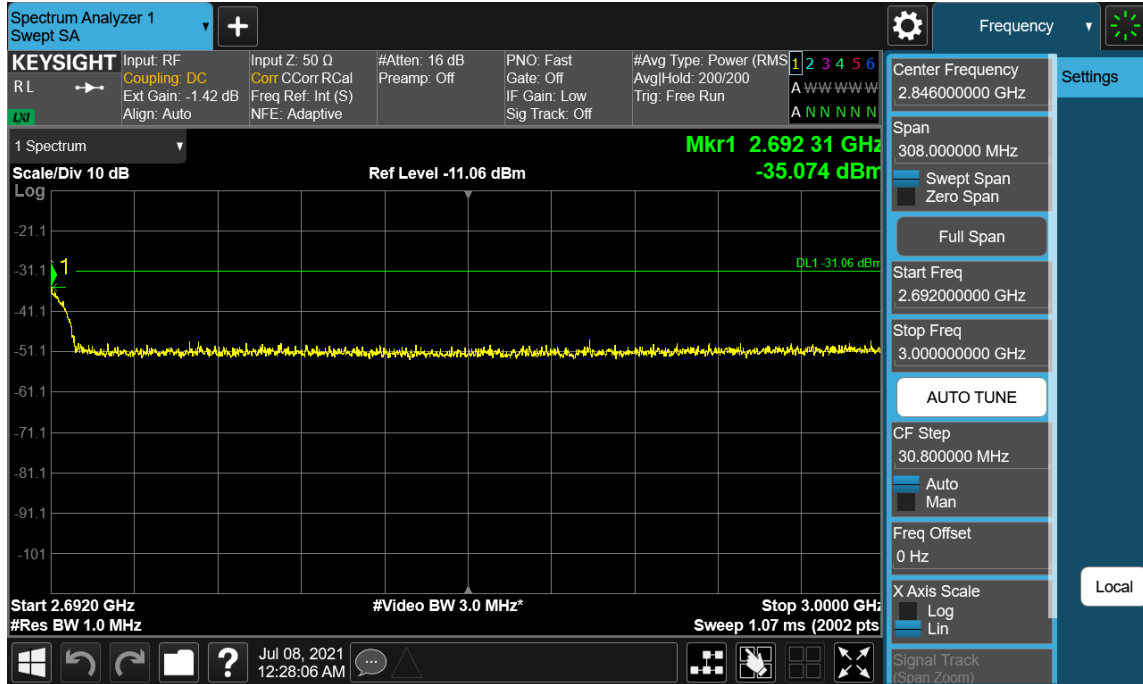


Plot 7-156. Conducted Spurious Emission Plot
30 MHz to 2400 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 55)

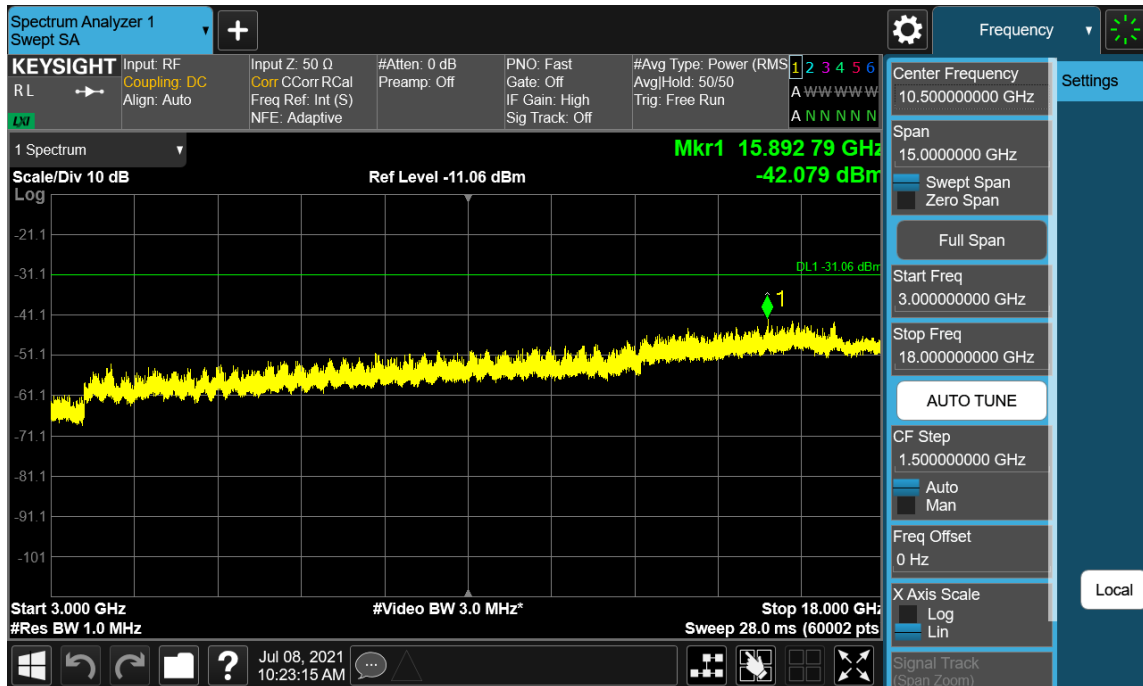


Plot 7-157. Conducted Spurious Emission Plot
2400 MHz to 2494 MHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 33)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 176 of 201

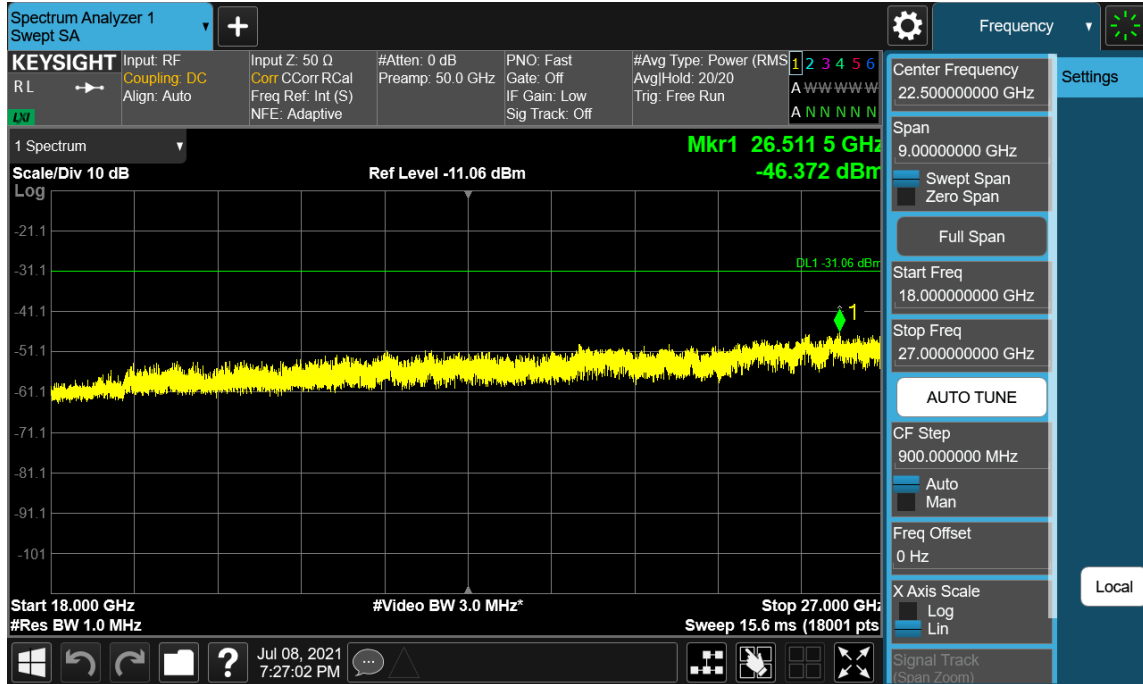


Plot 7-158. Conducted Spurious Emission Plot
2692 MHz to 3 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 31)



Plot 7-159. Conducted Spurious Emission Plot
3 GHz to 18 GHz (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous - Port 11)

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 177 of 201



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7.7 Radiated spurious emission

Test Overview

Radiated spurious emissions measurements are performed using the field strength method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized broadband tri-log antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas.

Test Procedure Used

ANSI C63.26 - Section 5.5.3.2



Test Setting

1. Start frequency was set to 30 MHz and stop frequency was set to at least 10 * the fundamental frequency
2. RBW = 100 kHz for emissions below 1 GHz and 1 MHz for emissions above 1GHz
3. VBW $\geq 3 \times$ RBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = Peak for the pre-scan, (In cases where the level is within 2 dB of the limit, the final measurement is taken using RMS detector.)
6. Trace mode = Max Hold (In cases where the level is within 2 dB of the limit, the final measurement is taken using triggering/gating and trace averaging.)
7. The trace was allowed to stabilize.

Limit

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

The power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm.

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

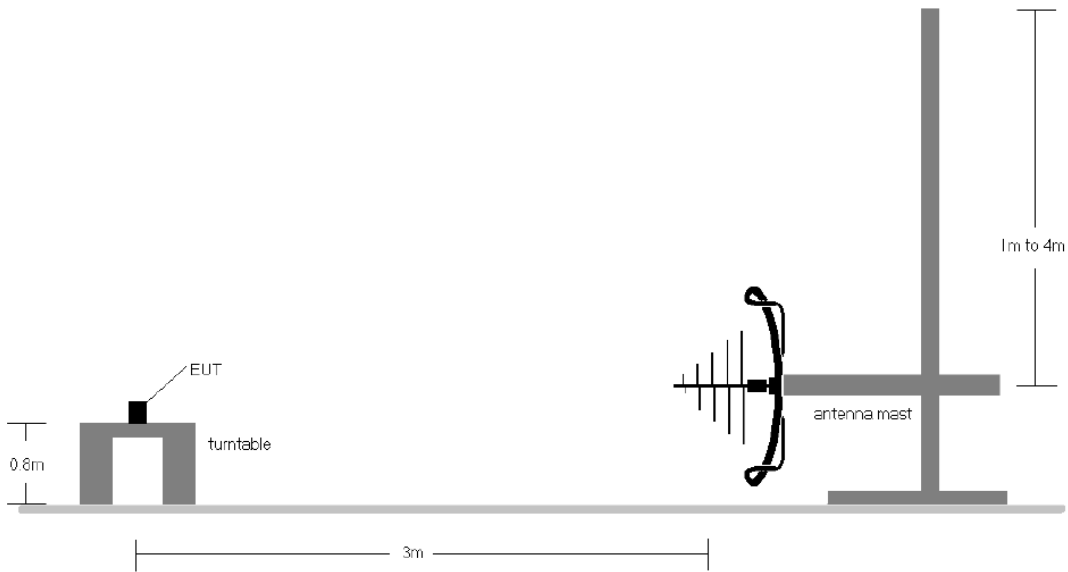


Figure 7-7. Test Instrument & Measurement Setup < 1 GHz

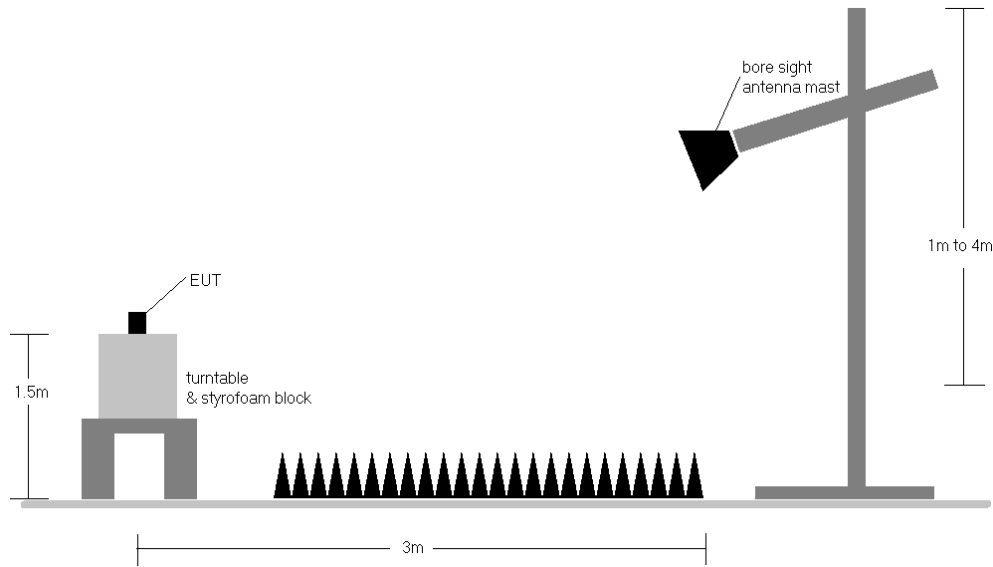


Figure 7-8. Test Instrument & Measurement Setup > 1 GHz

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
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Test Notes

- The average EIRP reported below is calculated per 5.2.7 of ANSI C63.26-2015 which states:

The measured e.i.r.p is converted to E-field in V/m. Then the distance correction is applied before converted back to calculated e.i.r.p.as explained in KDB 971168 D01 D01 v03r01.

Effective Isotropic Radiated Power Sample Calculation



$$\begin{aligned} \text{Field Strength [dB}\mu\text{V/m]} &= \text{Measured Value [dBm]} + \text{AFCL [dB/m]} + 107 \\ &= -80.41 \text{ dBm} + (18.37 \text{ dBm} + 1.92 \text{ dBm}) + 107 = 46.88 \text{ dB}\mu\text{V/m} \\ &= 10^{(46.88/20)/1000000} = 0.0002208 \text{ V/m} \\ \text{e.i.r.p. [dBm]} &= E[\text{dB}\mu\text{V/m}] + 20 \log_{10}(d[\text{m}]) - 104.8 \\ &= 46.88 + (20 * \log(3)) - 104.8 \\ &= -48.38 \text{ dBm e.i.r.p.} \end{aligned}$$

*AFCL (dB/m) contains measurement antenna factor(dB/m) and cable loss(dB) as below:

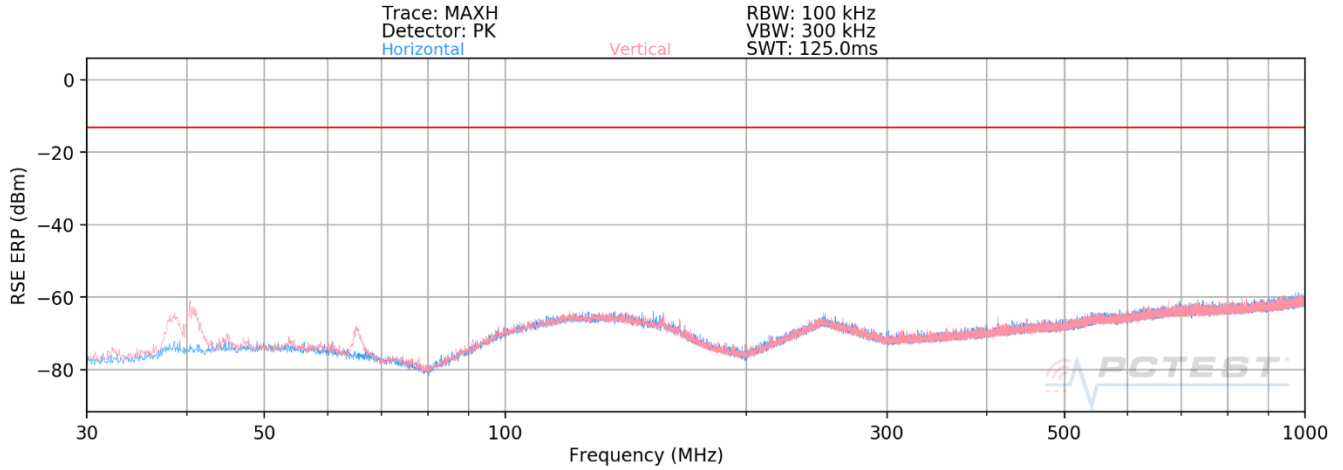
Frequency [MHz]	Antenna Factor (dB/m)	Cable loss [dB]	AFCL (dB/m)
127.82	21.78	0.92	22.70
911.68	22.62	2.57	25.19
12165.06	39.42	-23.85	15.58
17980.75	47.73	-21.84	25.89

Table 7-43. Adopted AFCL value in the calculation

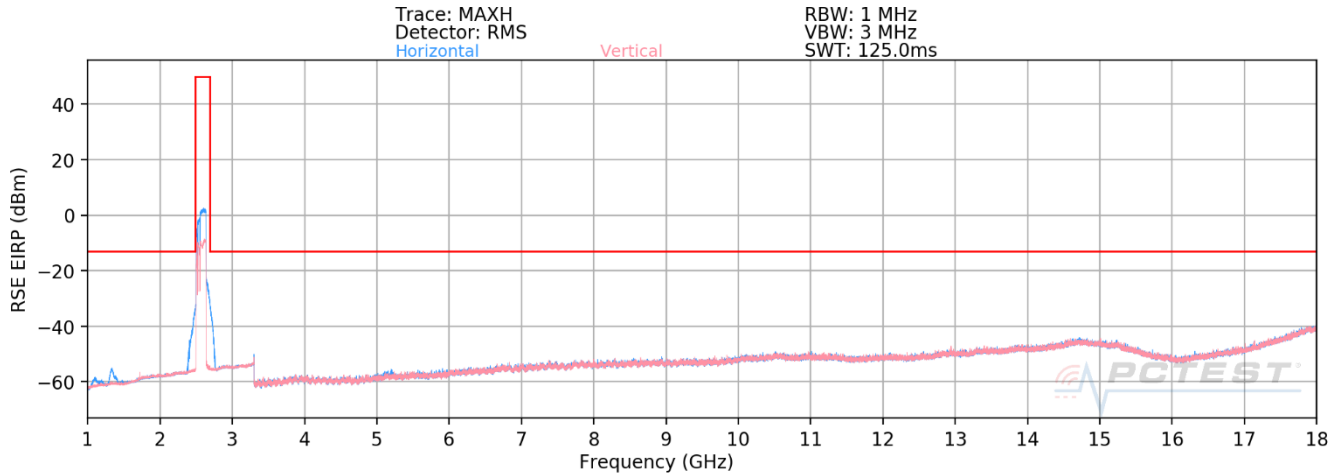
- The EUT was tested in both horizontal and vertical antenna polarizations and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, channel bandwidth configurations shown in the tables below.
- The spectrum is measured from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- All emissions were measured at a 3 meter test distance with the application of a distance correction factor.
- Spurious emissions were measured with all EUT antennas transmitting simultaneously.
- The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M and Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M were determined as the worst case configuration compared to Single RAT LTE 20M+20M+20M and NR 80M and 100M cases.

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
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- Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous Configuraiton

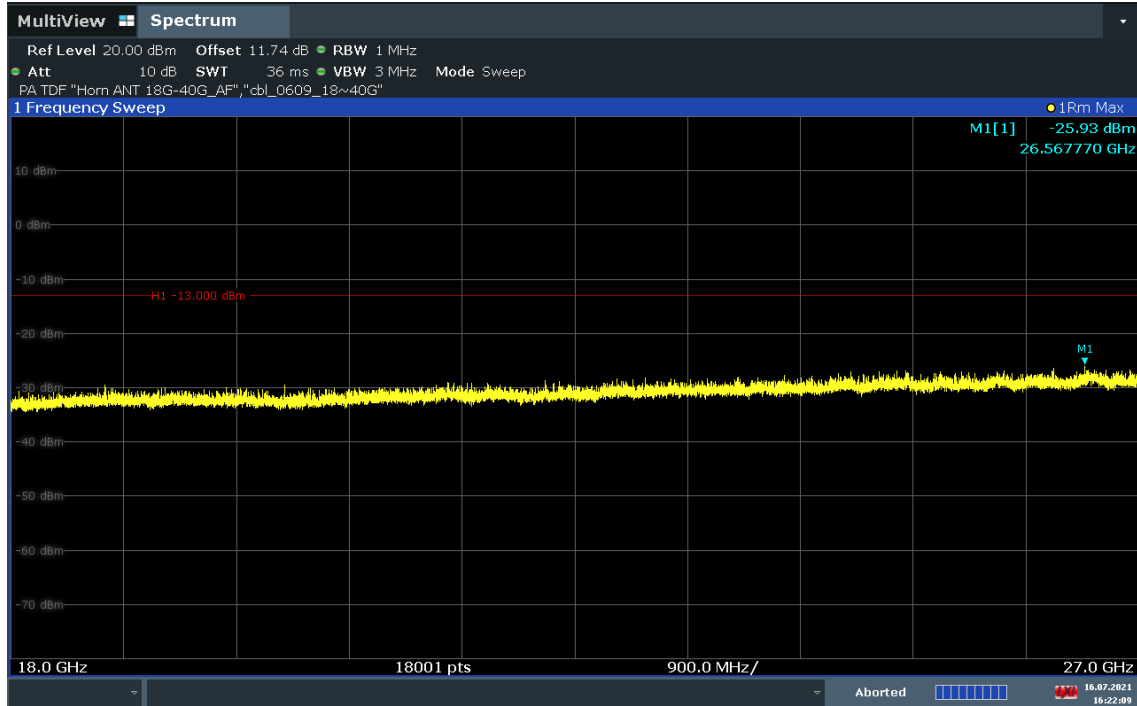


**Plot 7-161. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Low Channel)**



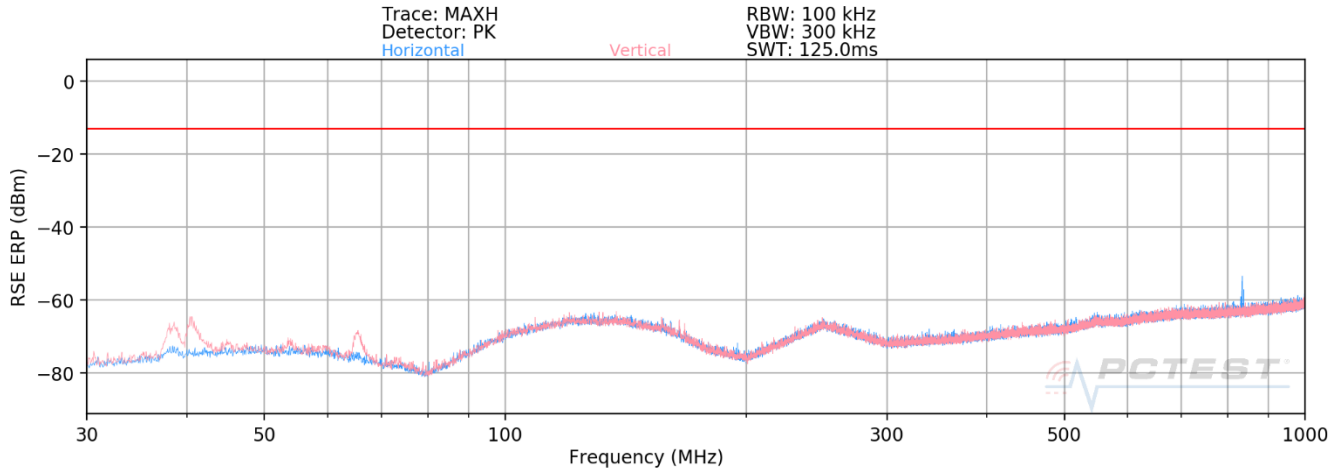
**Plot 7-162. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Low Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 182 of 201

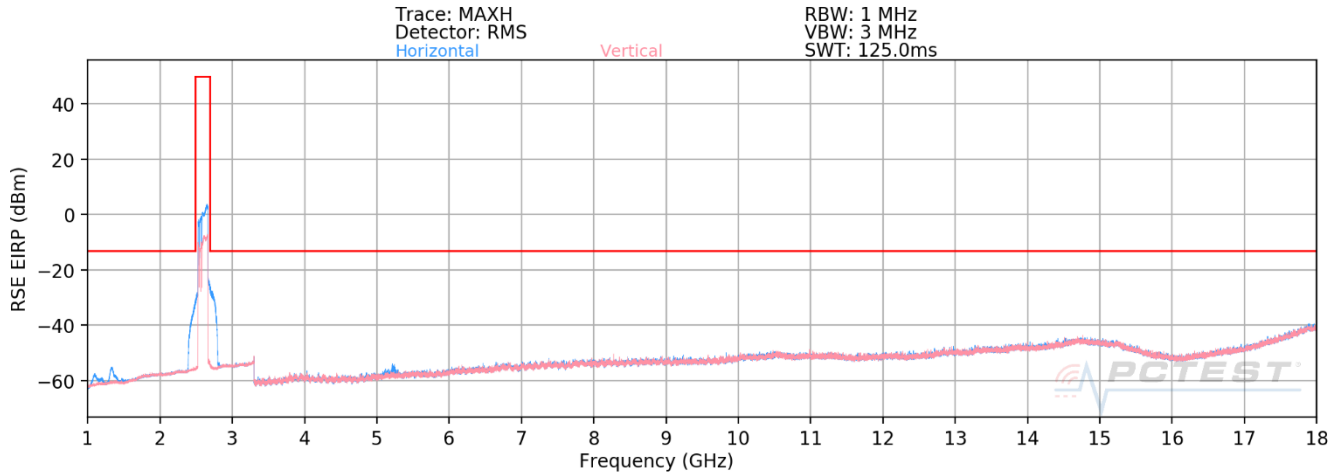


**Plot 7-163. Radiated spurious emission_18 GHz to 27 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Low Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 183 of 201

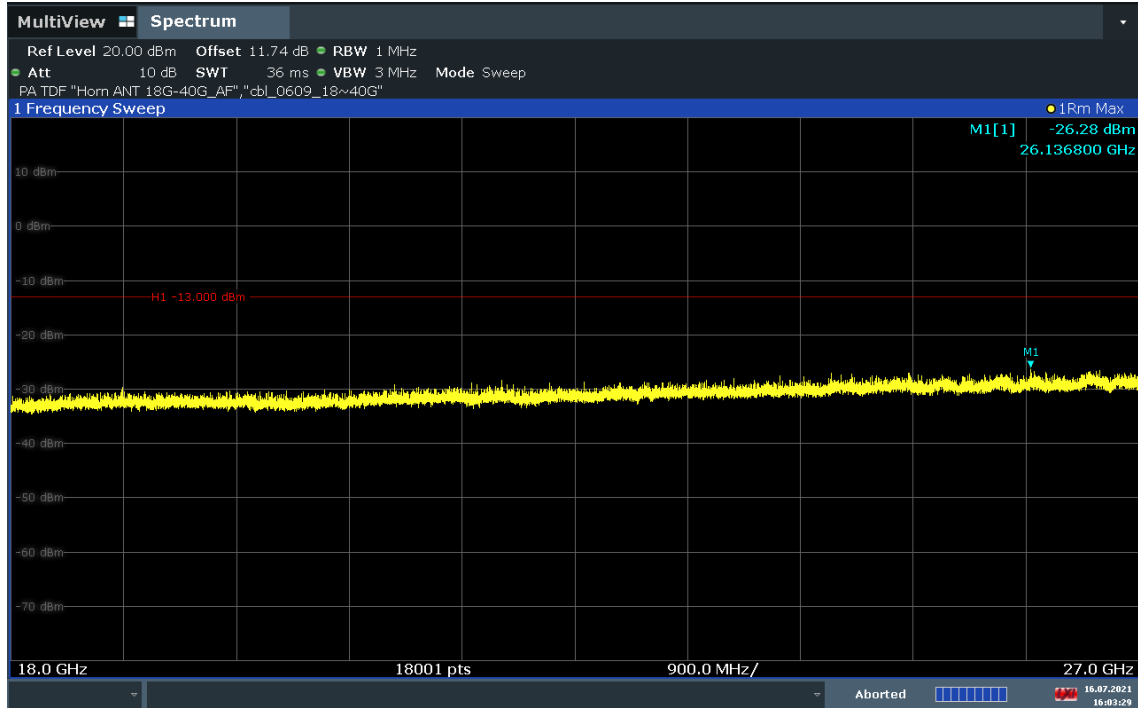


**Plot 7-164. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Middle Channel)**



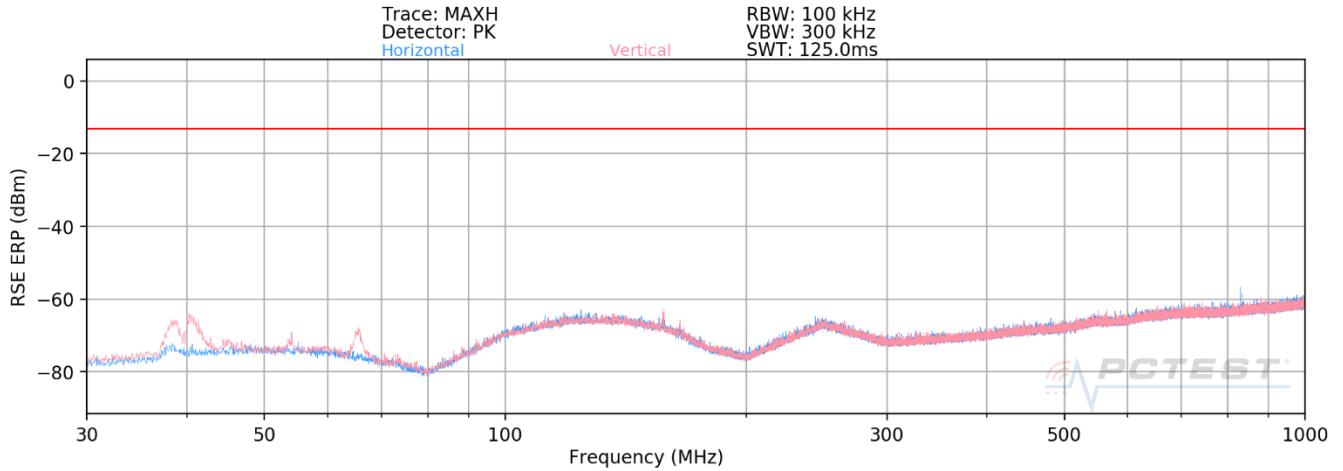
**Plot 7-165. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Middle Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)	Page 184 of 201	

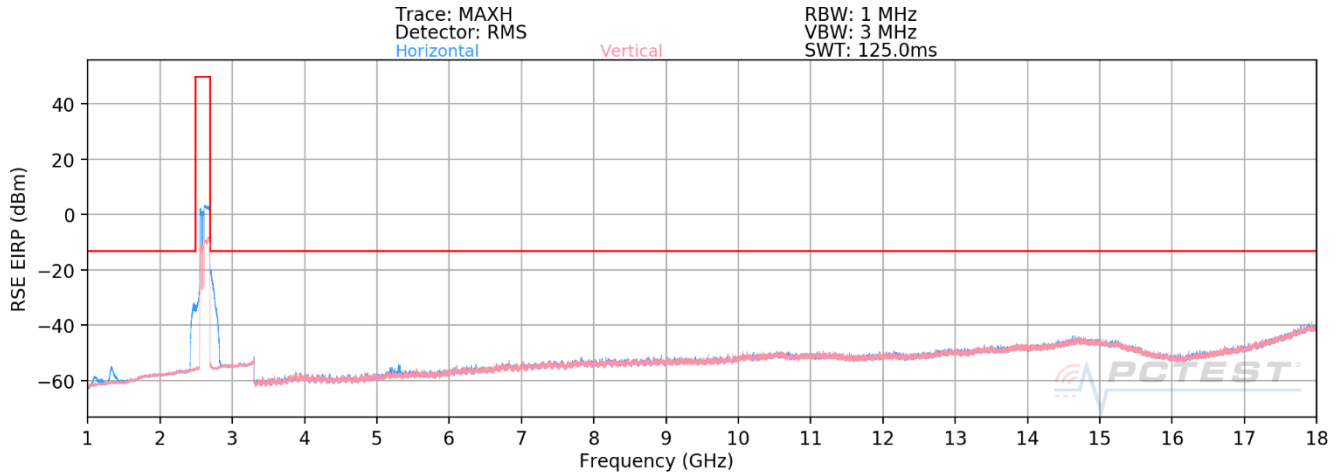


**Plot 7-166. Radiated spurious emission_18 GHz to 27 GHz
 (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - Middle Channel)**


FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 185 of 201

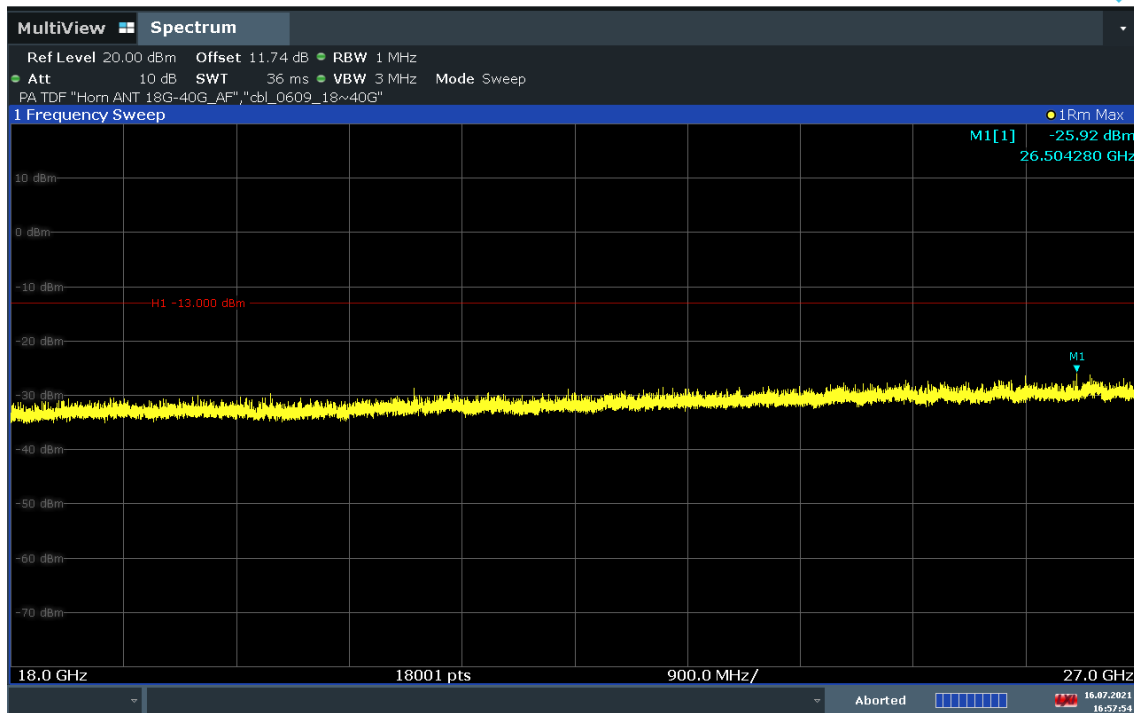


**Plot 7-167. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - High Channel)**



**Plot 7-168. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - High Channel)**

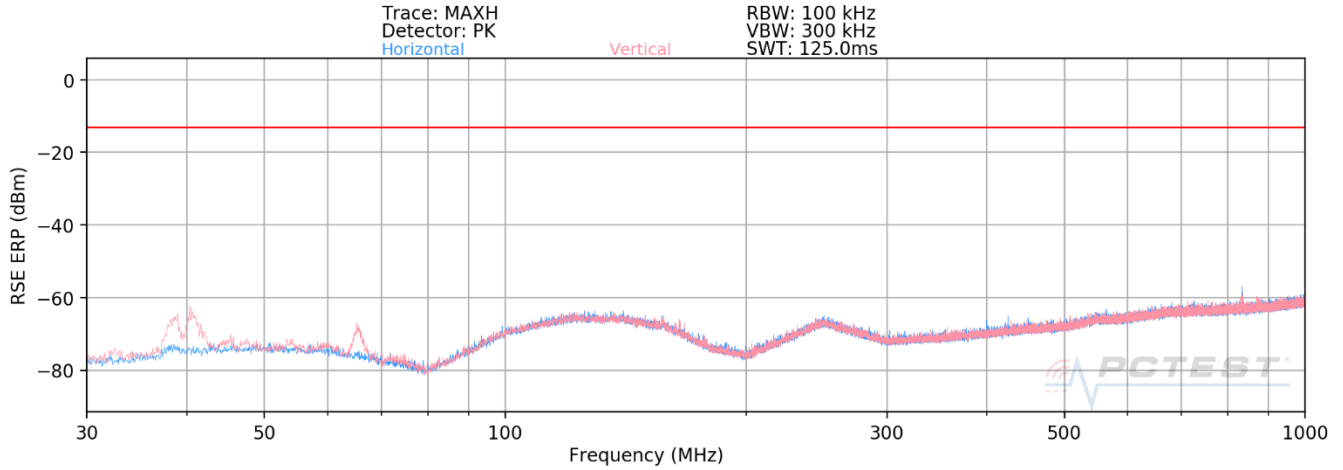
FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 186 of 201



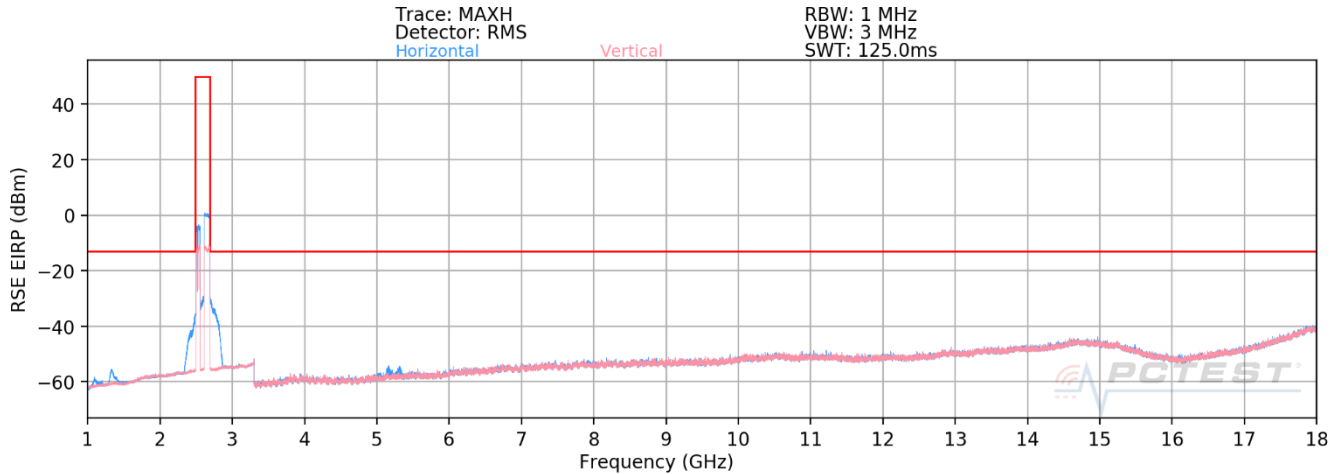
**Plot 7-169. Radiated spurious emission_18 GHz to 27 GHz
 (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Contiguous - High Channel)**

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 187 of 201

- Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Non-contiguous Configuraiton

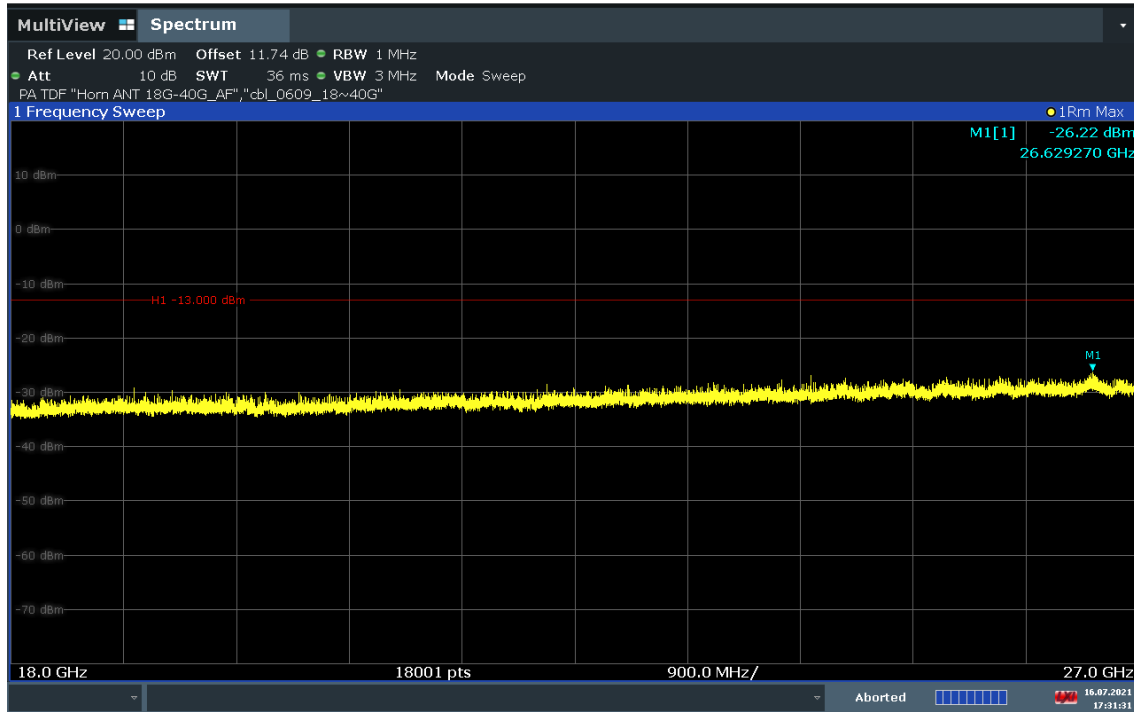


**Plot 7-170. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Non-contiguous)**



**Plot 7-171. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Non-contiguous)**

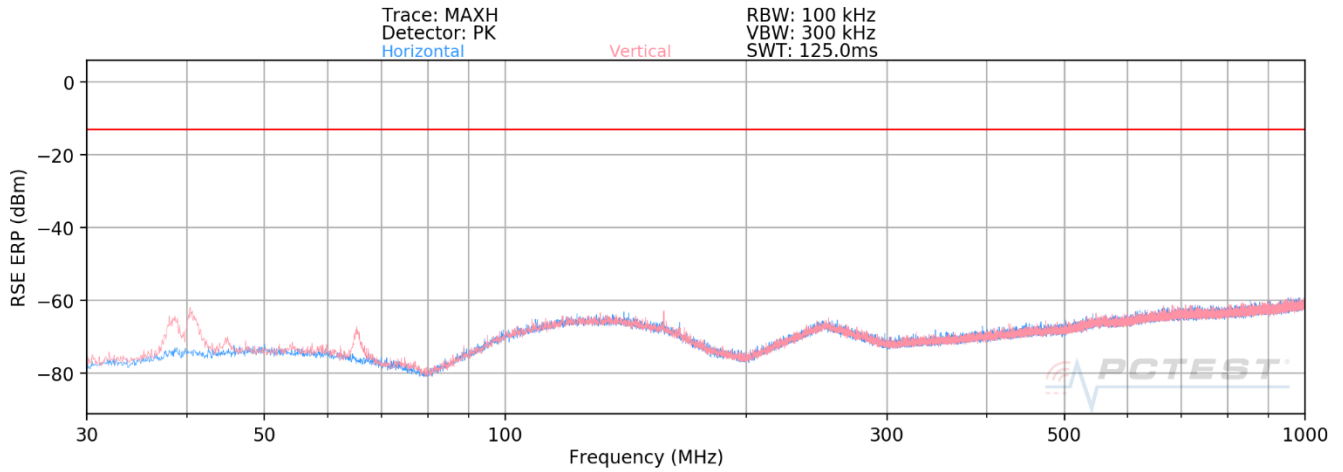
FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 188 of 201



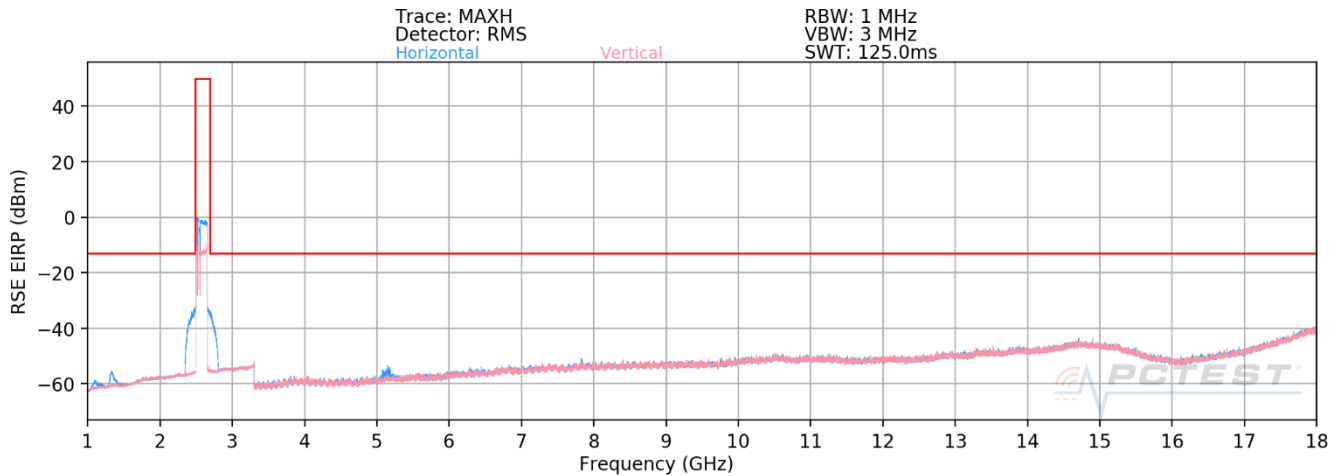
**Plot 7-172. Radiated spurious emission_18 GHz to 27 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_ Non-contiguous)**

FCC ID: A3LMT6411-41A	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 189 of 201

- Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M_Non-contiguous Configuraiton



**Plot 7-173. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel)**



**Plot 7-174. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel)**

FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 190 of 201