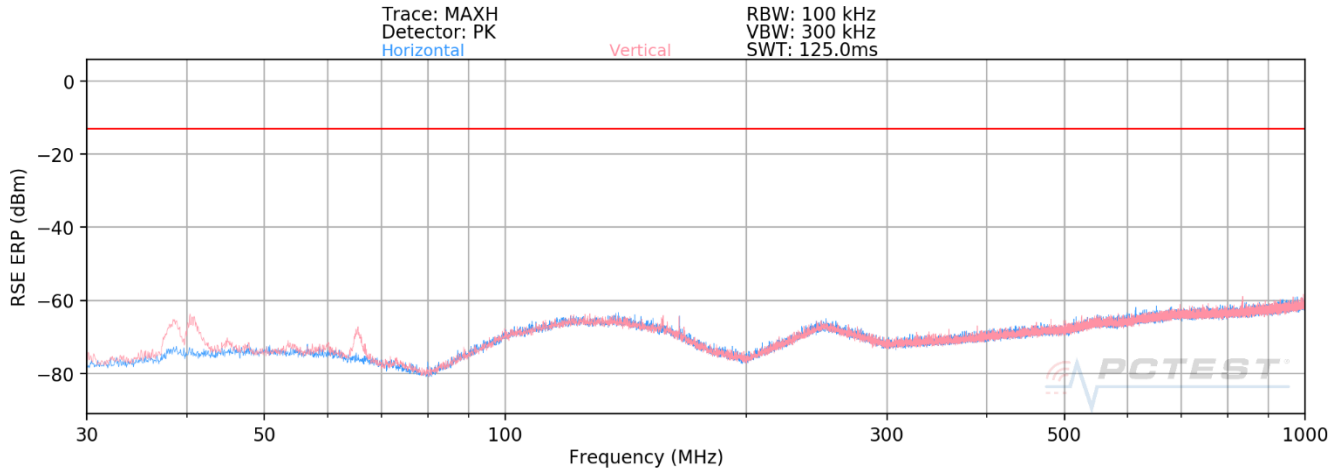
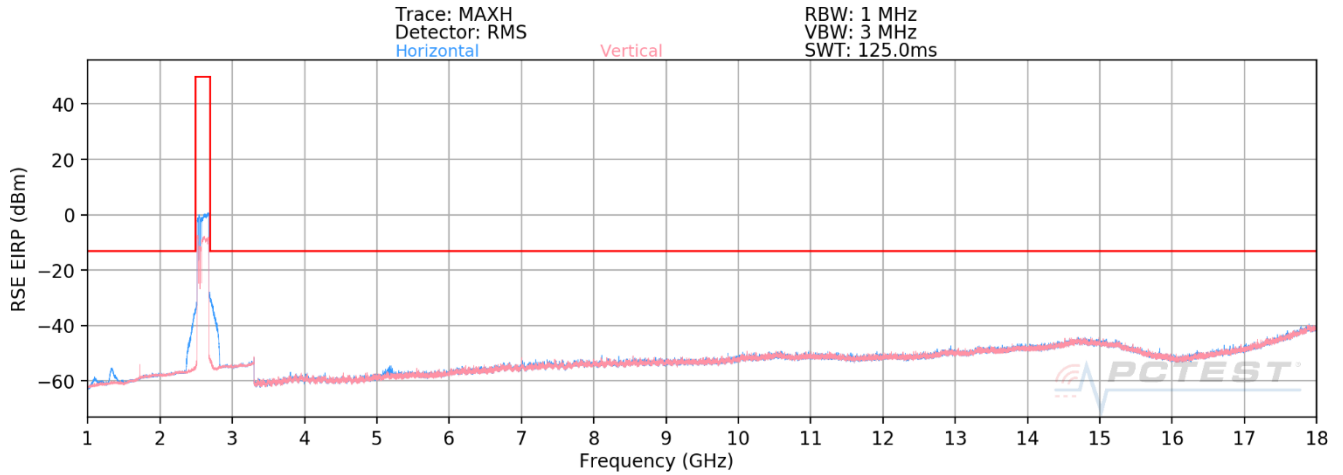


**Plot 7-175. Radiated spurious emission_18 GHz to 27 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Low Channel)**

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 191 of 201

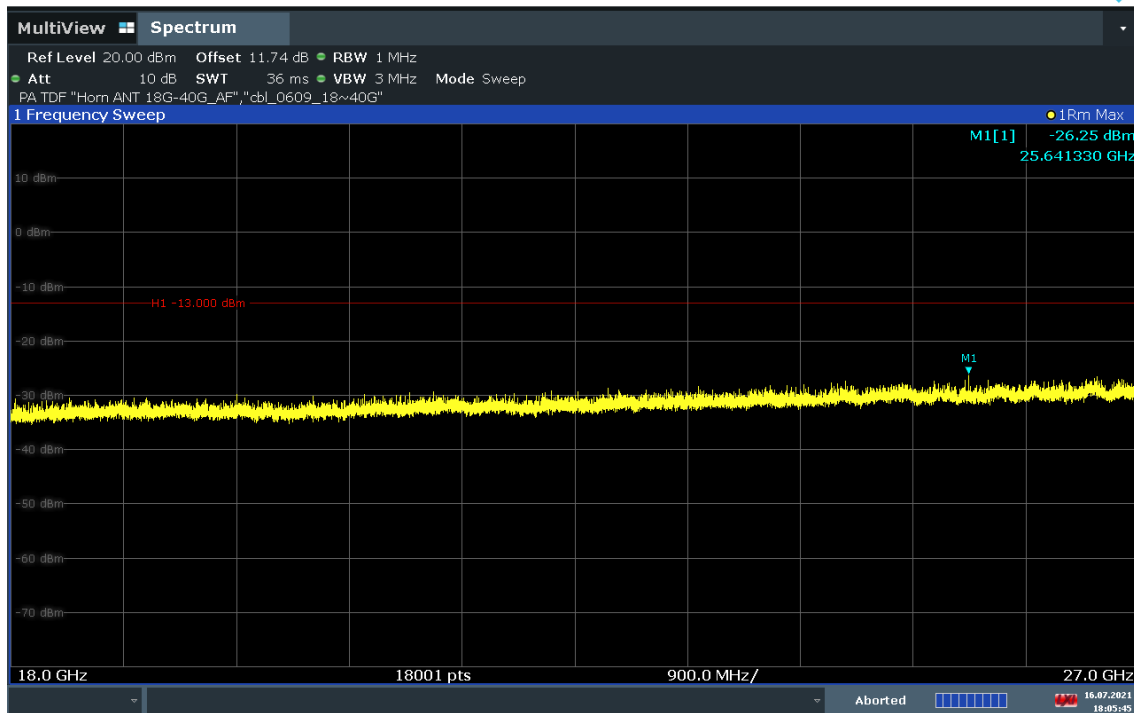


**Plot 7-176. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel)**



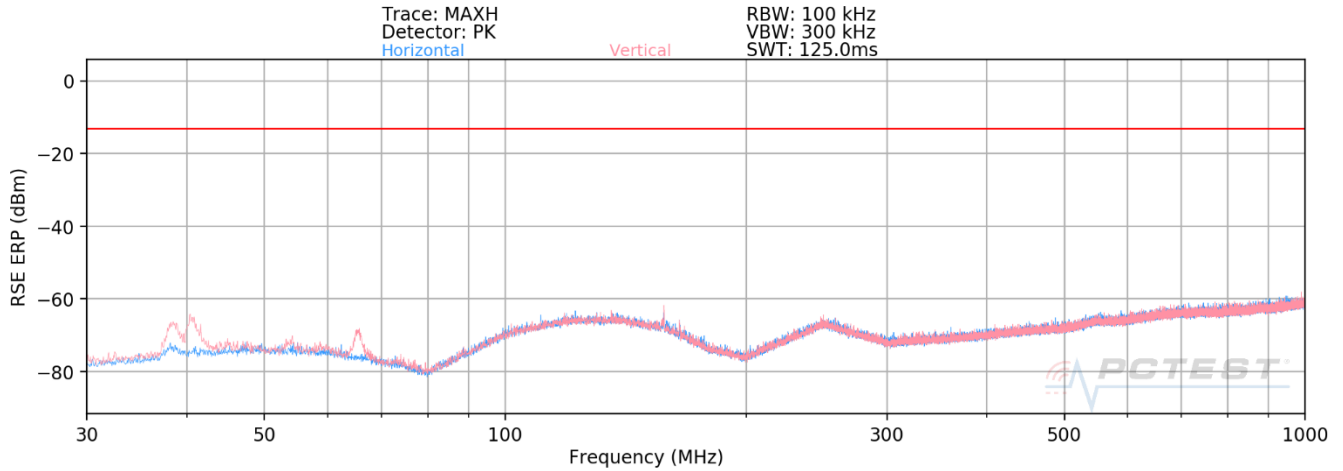
**Plot 7-177. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel)**

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 192 of 201

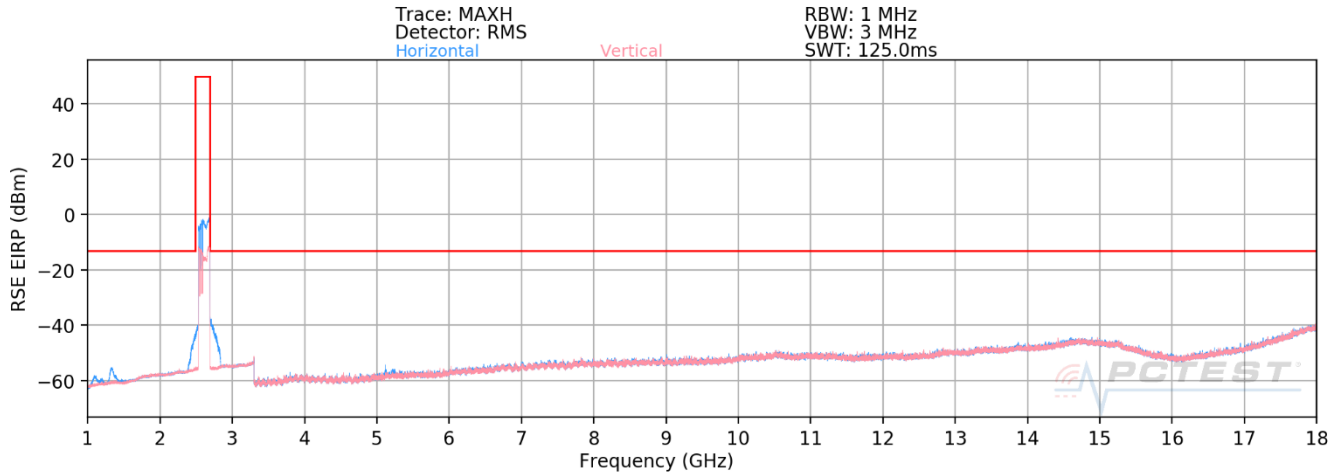


**Plot 7-178. Radiated spurious emission_18 GHz to 27 GHz
 (Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - Middle Channel)**

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 193 of 201

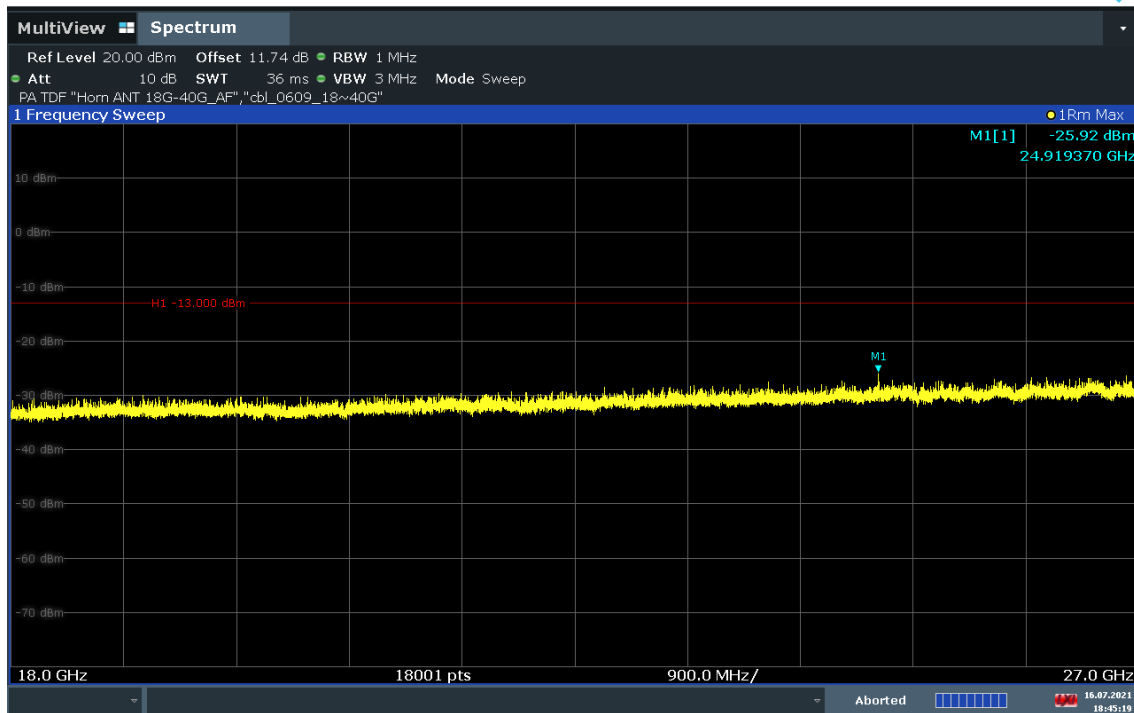


**Plot 7-179. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel)**



**Plot 7-180. Radiated spurious emission_1 GHz to 18 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel)**

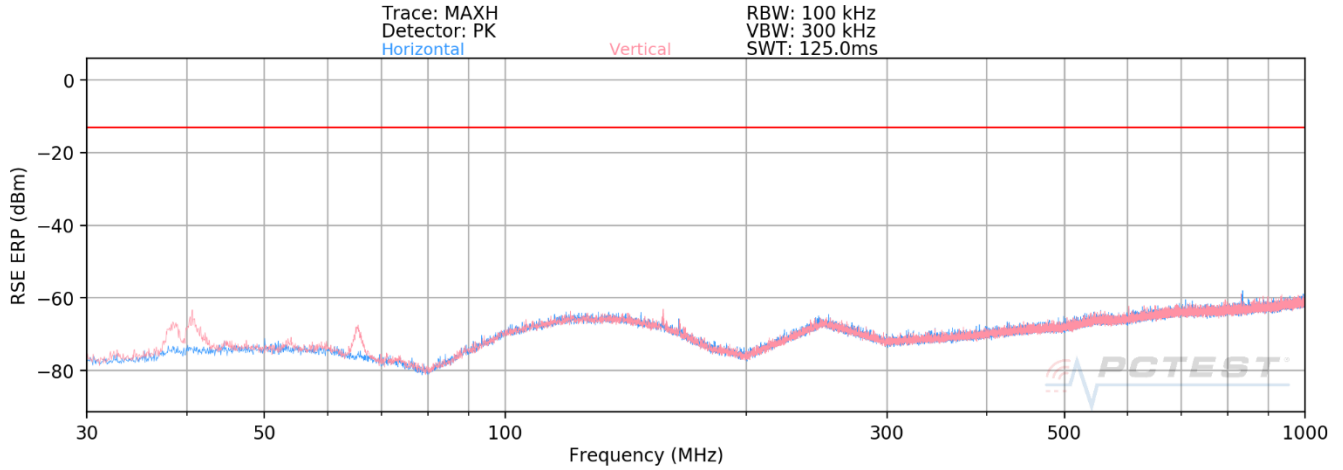
FCC ID: A3LMT6411-41A		MEASUREMENT REPORT (Certification)		Approved by: Technical Manager
Test Report S/N: 8K21060701-R1.A3L	Test Dates: 06/10/2021-07/27/2021	EUT Type: MMU(MT6411)		Page 194 of 201



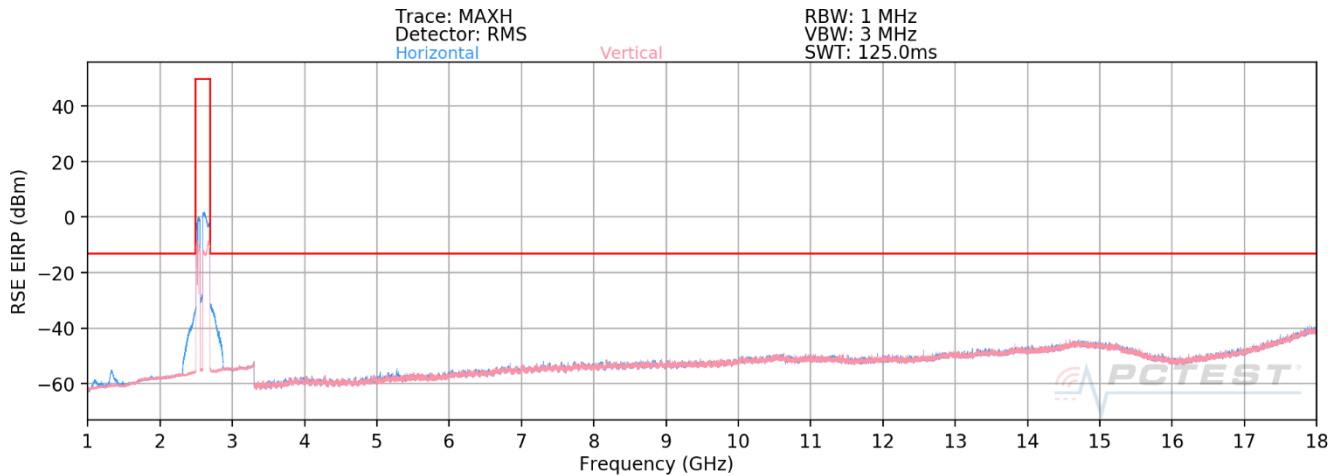
**Plot 7-181. Radiated spurious emission_18 GHz to 27 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Contiguous - High Channel)**

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 195 of 201

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

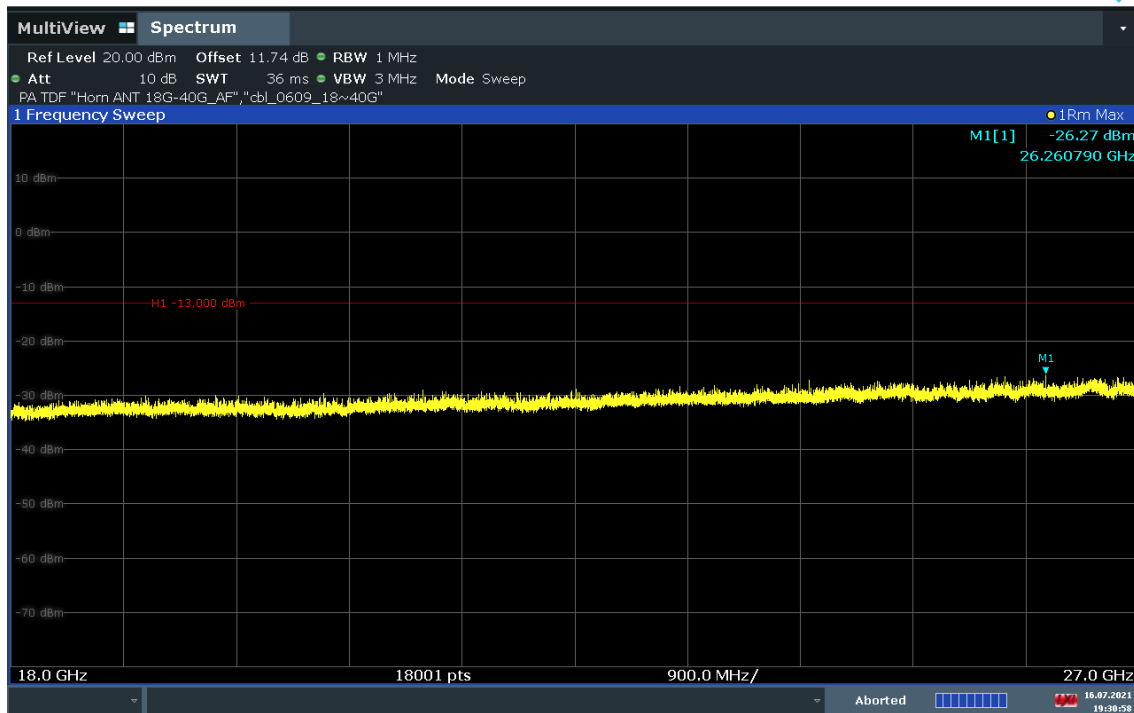


**Plot 7-182. Radiated spurious emission_30 MHz to 1000 MHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_Non-contiguous)**



**Plot 7-183. Radiated spurious emission_1 GHz to 18 GHz
(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 196 of 201





**Plot 7-184. Radiated spurious emission_18 GHz to 27 GHz
(Multi-RAT LTE 3C_20M+20M+20M & NR 1C_100M_ Non-contiguous)**

Configuration:	Multi-RAT LTE 3C_20M+20M+20M & NR 1C_80M
Channel Position:	Middle
Modulation Signal:	16QAM

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBμV/m]	RSE EIRP [dBm]	Limit [dBm]	Margin [dB]
65.51	V	150	200	-85.70	12.63	33.9	-61.30	-13.00	-48.3
40.37	V	150	190	-87.11	13.65	33.5	-61.69	-13.00	-48.7
827.16	H	100	340	-95.43	24.32	35.9	-59.33	-13.00	-46.3
828.91	V	100	270	-95.42	24.34	35.9	-59.31	-13.00	-46.3
1331.32	H	150	162	-70.16	-0.21	36.6	-58.60	-13.00	-45.6
5160.78	H	150	140	-77.95	3.75	32.8	-62.43	-13.00	-49.4
26260.79	H	150	-	-85.36	47.35	68.99	-26.27	-13.00	-13.2

Table 7-44. Radiated spurious emission Table

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 197 of 201

7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Test Procedure Used

ANSI C63.26-2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

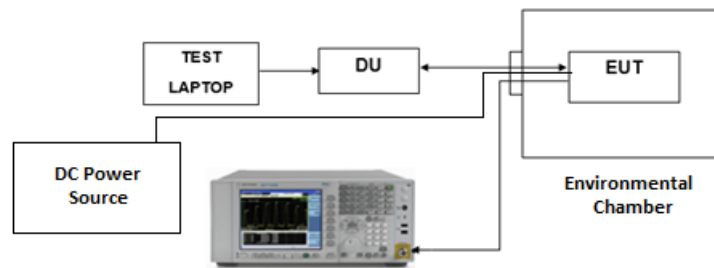


Figure 7-1. Test Instrument & Measurement Setup

Test Notes

None

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 198 of 201

Band 41 Frequency Stability Measurements



OPERATING FREQUENCY: 2,593,000,000 Hz
 REFERENCE VOLTAGE: -48.00 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	-48	- 30	2,593,119,162	119,162	0.0000000
100 %		- 20	2,593,118,064	-1,098	-0.0000423
100 %		- 10	2,593,120,120	958	0.0000369
100 %		0	2,593,120,978	1,816	0.0000700
100 %		+ 10	2,593,120,009	847	0.0000327
100 %		+ 20	2,593,120,040	878	0.0000339
100 %		+ 30	2,593,120,184	1,022	0.0000394
100 %		+ 40	2,593,120,529	1,367	0.0000527
100 %		+ 50	2,593,121,548	2,387	0.0000920
85 %		-40.80	+ 20	2,593,120,031	869
115 %	-55.20	+ 20	2,593,120,219	1,057	0.0000408

Table 7-45. Frequency Stability Data

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

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 199 of 201	

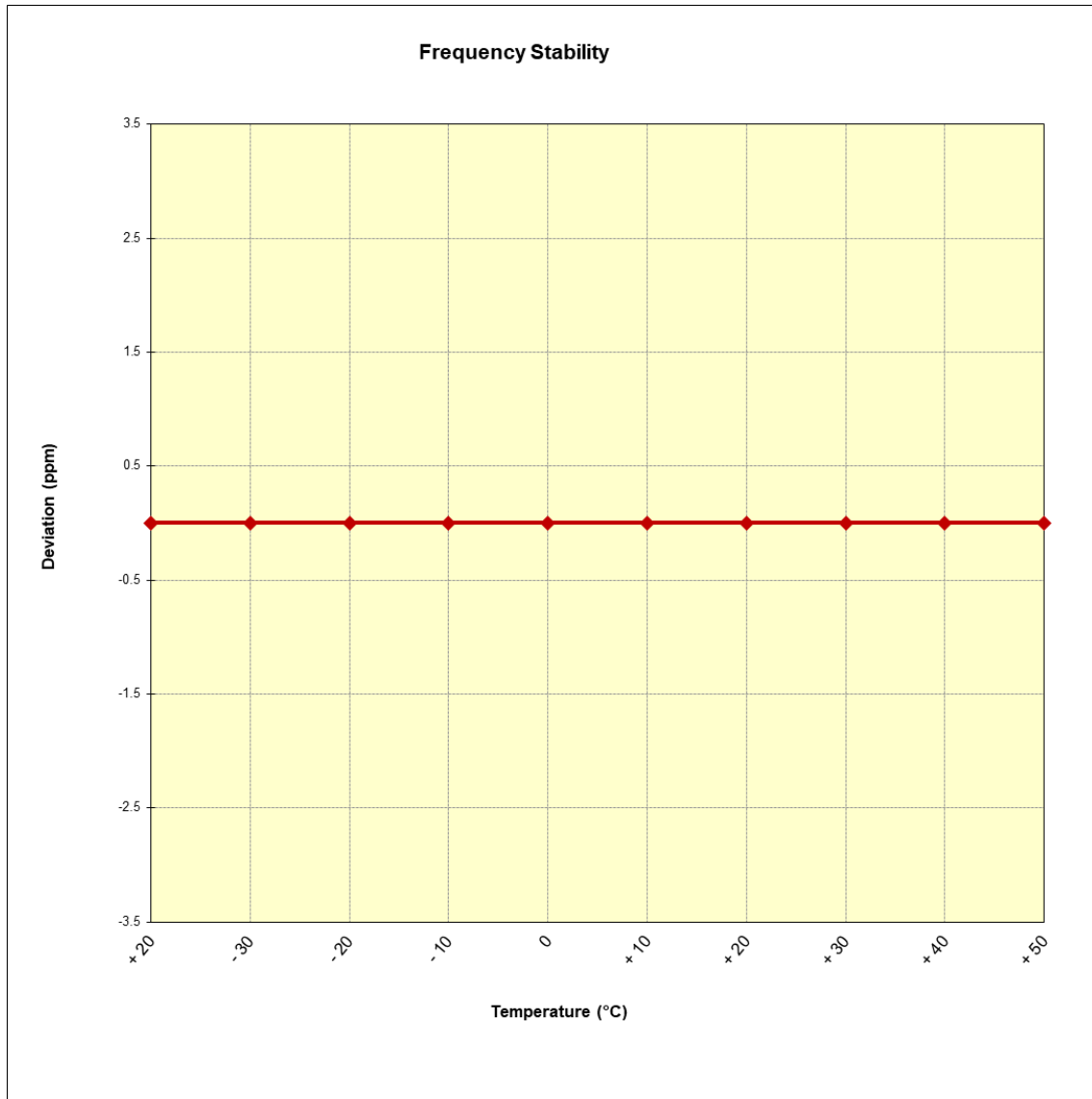



Figure 7-2. Frequency Stability Graph

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 200 of 201	

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung MMU(MT6411) FCC ID: A3LMT6411-41A** complies with all of the requirements of Part 27 FCC Rule.

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 201 of 201