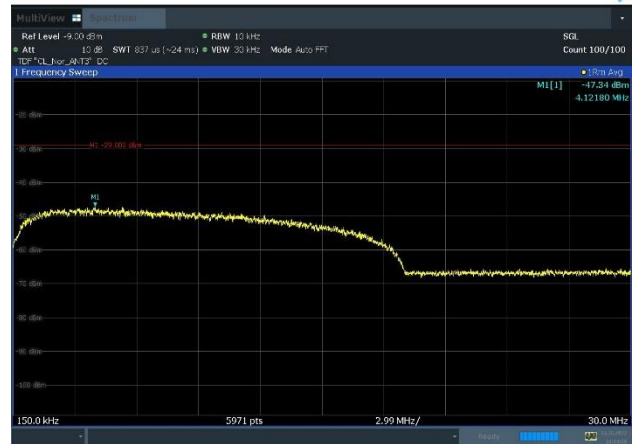
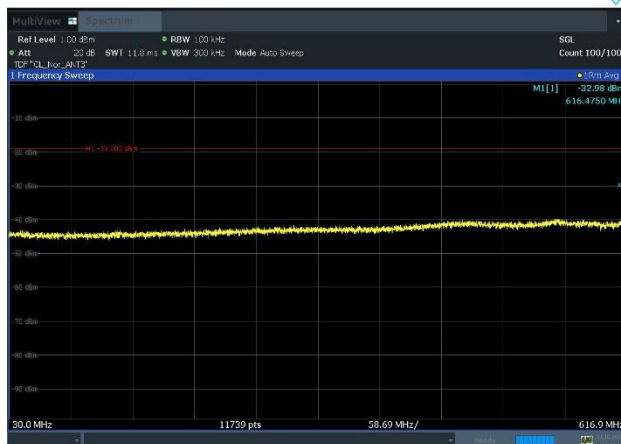


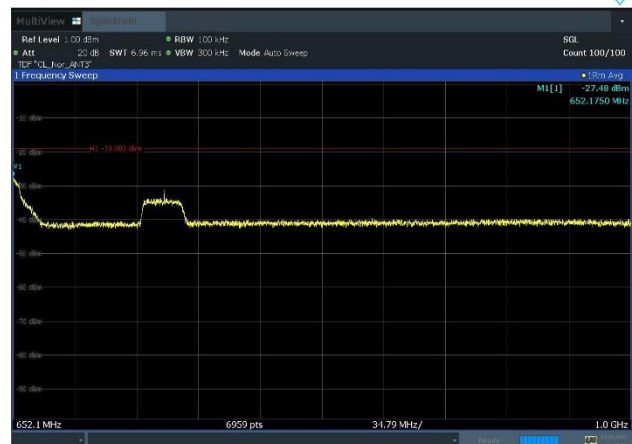
Plot 8-163. Conducted Spurious Emission Plot  
9 kHz to 150 kHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)



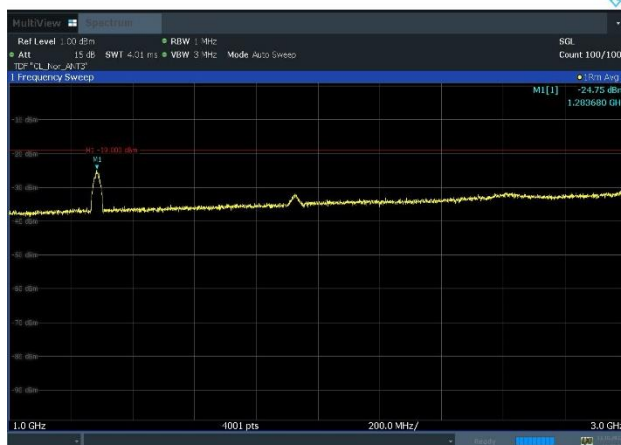
Plot 8-164. Conducted Spurious Emission Plot  
150 kHz to 30 MHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)



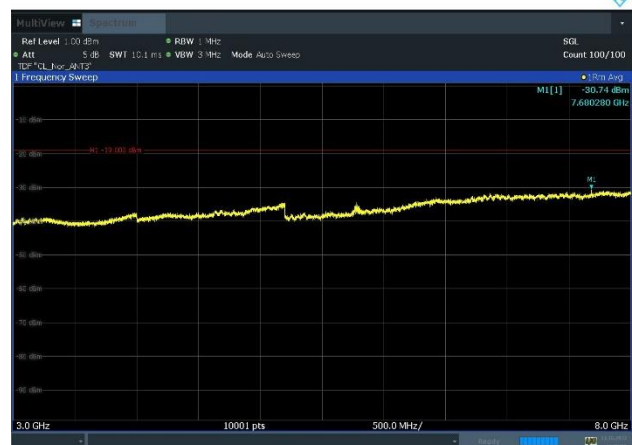
Plot 8-165. Conducted Spurious Emission Plot  
30 MHz to 616.9 MHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)



Plot 8-166. Conducted Spurious Emission Plot  
652.1 MHz to 1 GHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)

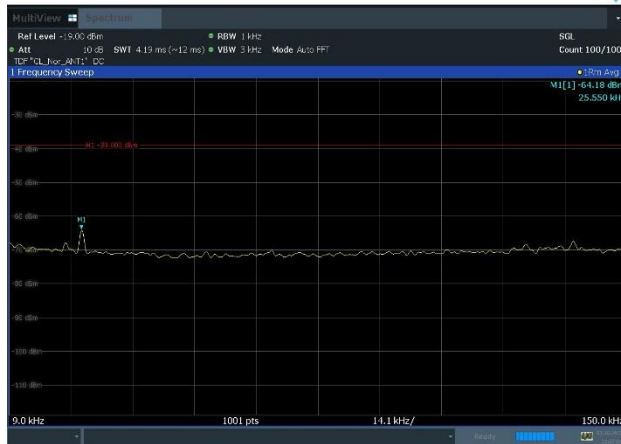


Plot 8-167. Conducted Spurious Emission Plot  
1 GHz to 3 GHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)

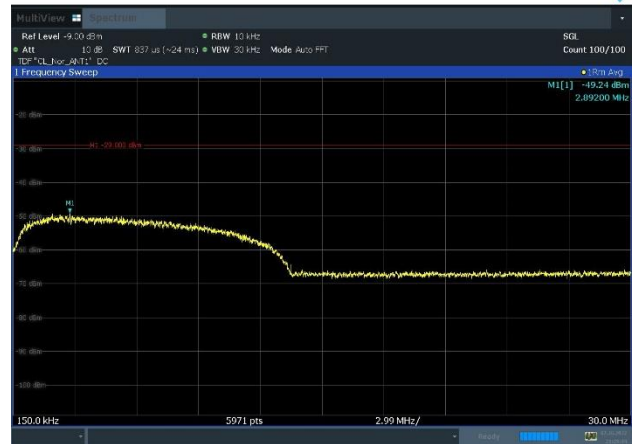


Plot 8-168. Conducted Spurious Emission Plot  
3 GHz to 8 GHz  
(NR\_n71\_1C\_20M\_256QAM - High Channel, Port 3)

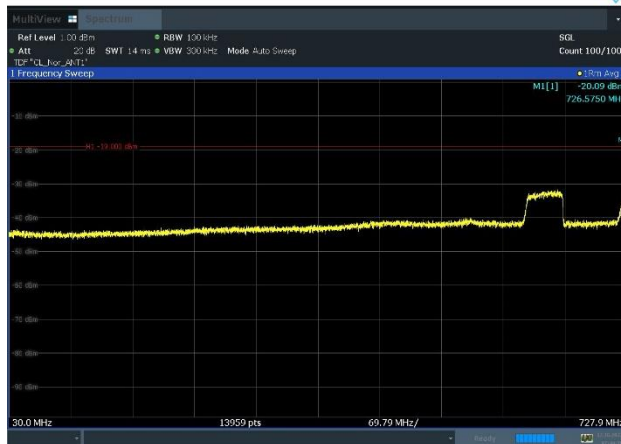
FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 90 of 126



Plot 8-169. Conducted Spurious Emission Plot  
9 kHz to 150 kHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)



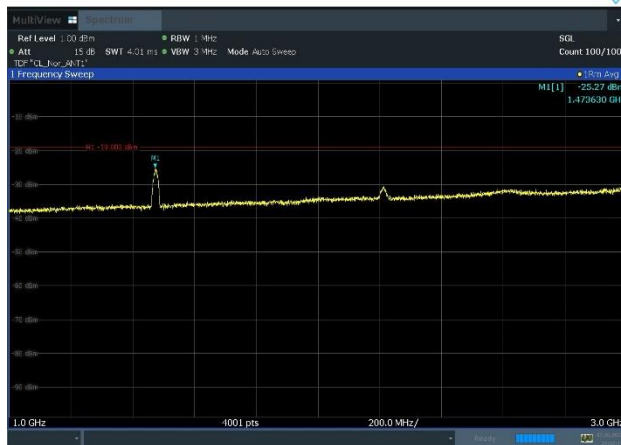
Plot 8-170. Conducted Spurious Emission Plot  
150 kHz to 30 MHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)



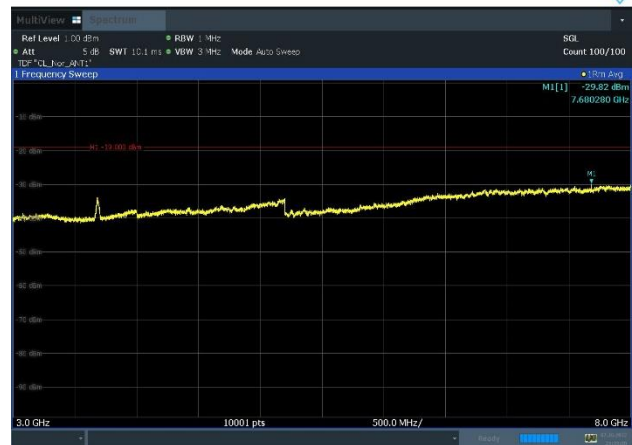
Plot 8-171. Conducted Spurious Emission Plot  
30 MHz to 727.9 MHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)



Plot 8-172. Conducted Spurious Emission Plot  
746.1 MHz to 1 GHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)

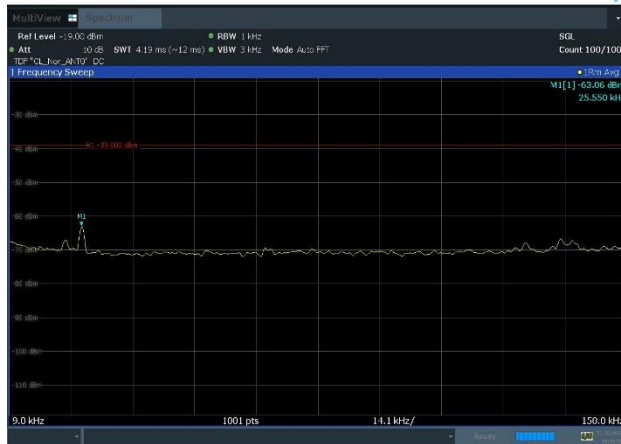


Plot 8-173. Conducted Spurious Emission Plot  
1 GHz to 3 GHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)

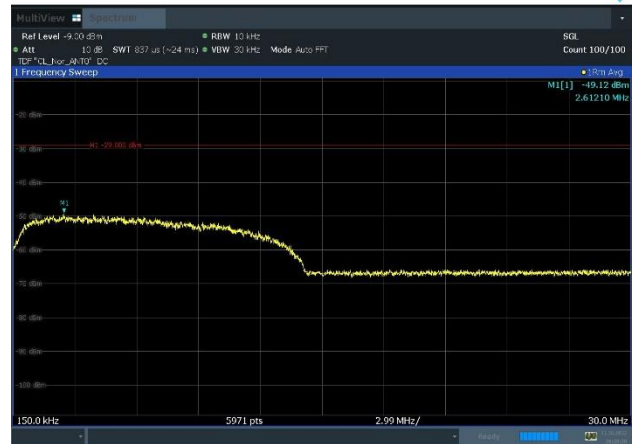


Plot 8-174. Conducted Spurious Emission Plot  
3 GHz to 8 GHz  
(LTE\_B85\_1C\_15M\_QPSK - Mid Channel, Port 0)

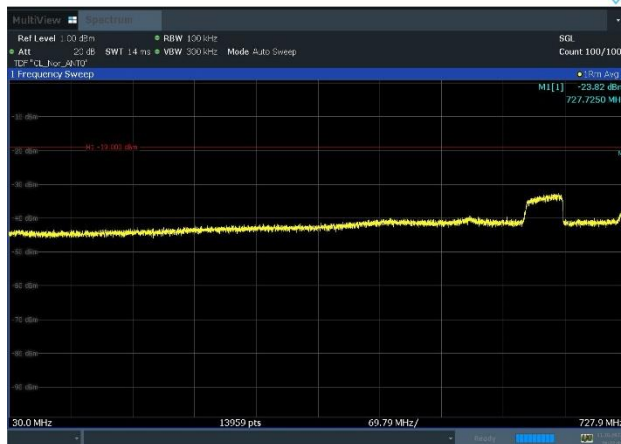
FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 91 of 126



Plot 8-175. Conducted Spurious Emission Plot  
9 kHz to 150 kHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)



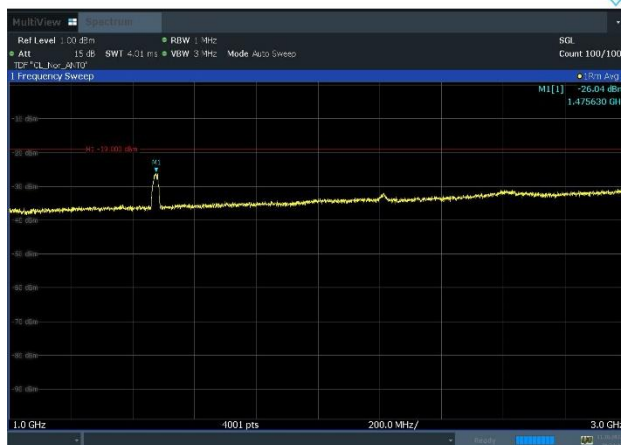
Plot 8-176. Conducted Spurious Emission Plot  
150 kHz to 30 MHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)



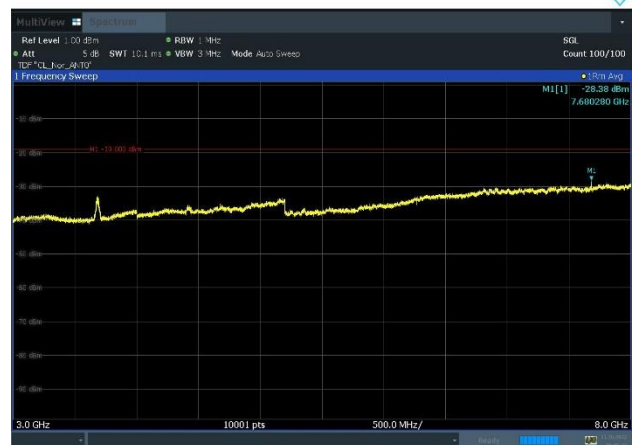
Plot 8-177. Conducted Spurious Emission Plot  
30 MHz to 727.9 MHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)



Plot 8-178. Conducted Spurious Emission Plot  
746.1 MHz to 1 GHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)



Plot 8-179. Conducted Spurious Emission Plot  
1 GHz to 3 GHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)

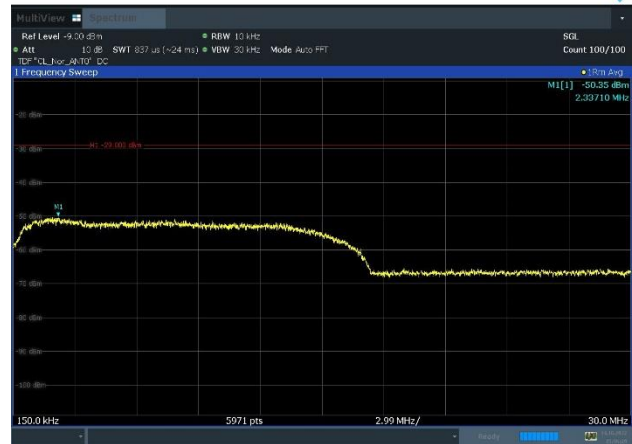


Plot 8-180. Conducted Spurious Emission Plot  
3 GHz to 8 GHz  
(LTE\_B85\_2C\_5M+10M\_QPSK - Mid Channel, Port 0)

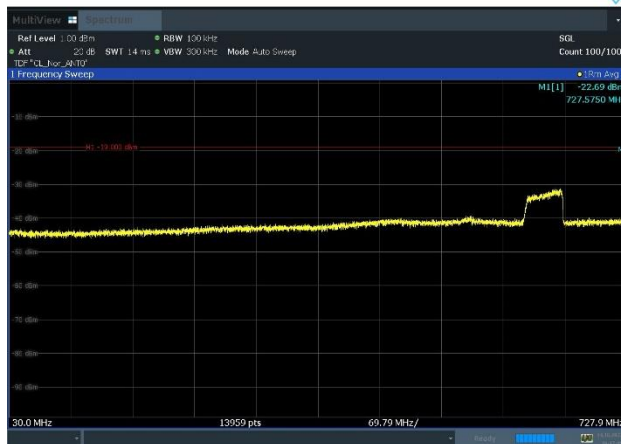
FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 92 of 126



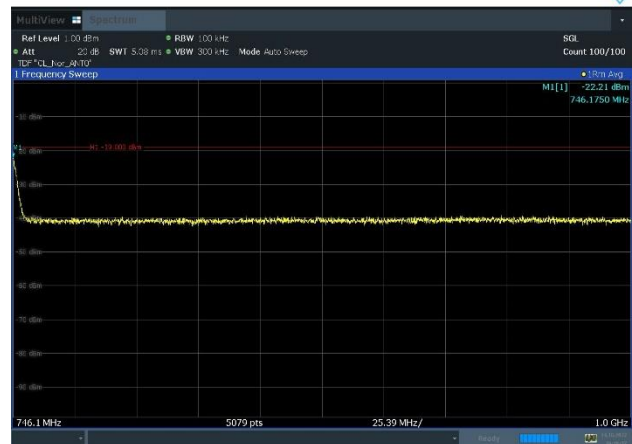
Plot 8-181. Conducted Spurious Emission Plot  
9 kHz to 150 kHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)



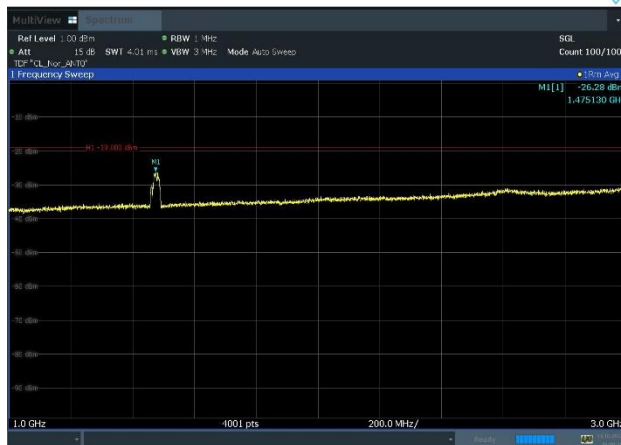
Plot 8-182. Conducted Spurious Emission Plot  
150 kHz to 30 MHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)



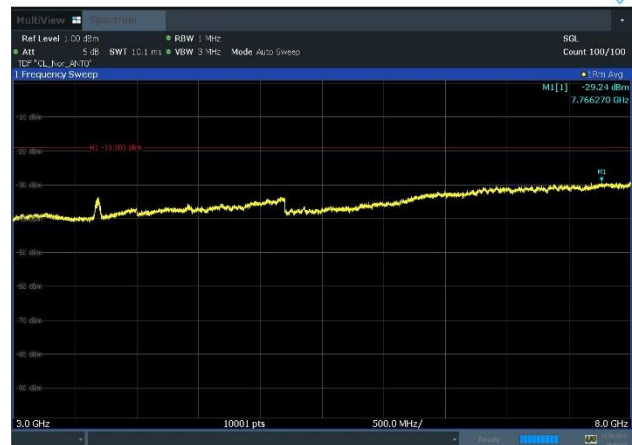
Plot 8-183. Conducted Spurious Emission Plot  
30 MHz to 727.9 MHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)





Plot 8-184. Conducted Spurious Emission Plot  
746.1 MHz to 1 GHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)

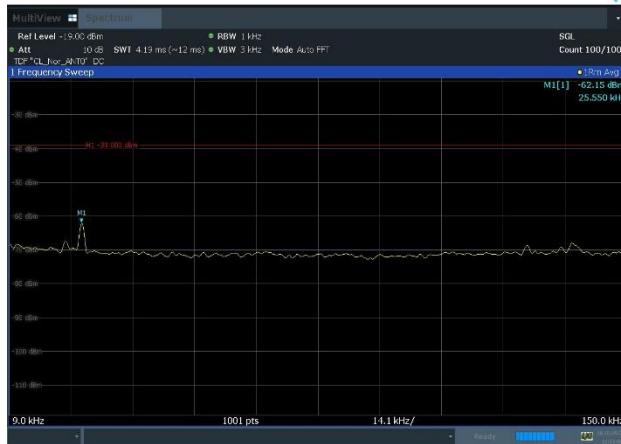


Plot 8-185. Conducted Spurious Emission Plot  
1 GHz to 3 GHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)

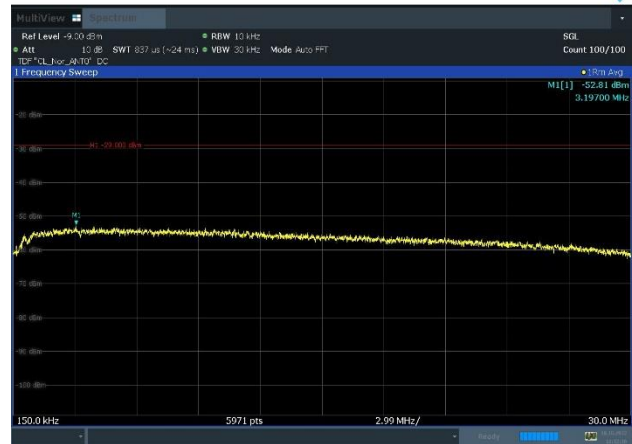


Plot 8-186. Conducted Spurious Emission Plot  
3 GHz to 8 GHz  
(NR\_n85\_2C\_5M+10M\_NC\_QPSK - Mid Channel, Port 0)

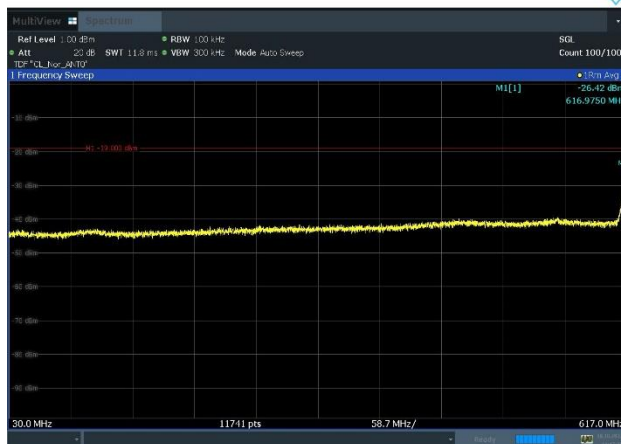
FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 93 of 126



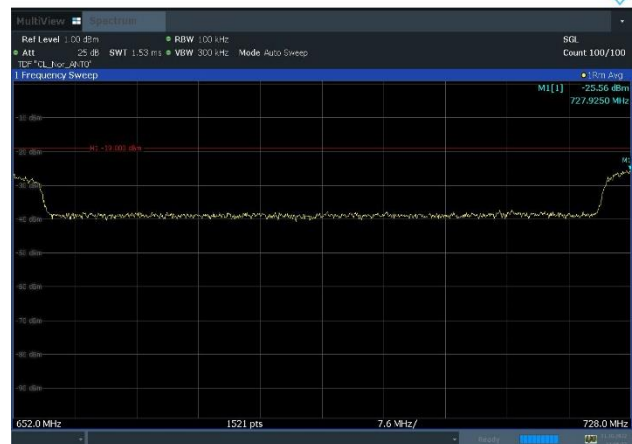
Plot 8-187. Conducted Spurious Emission Plot  
9 kHz to 150 kHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)



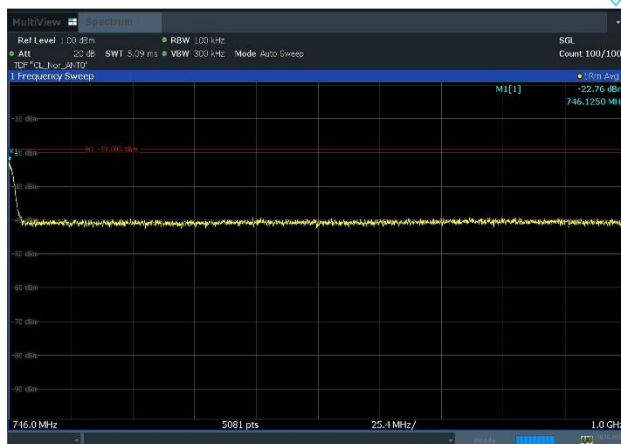
Plot 8-188. Conducted Spurious Emission Plot  
150 kHz to 30 MHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)



Plot 8-189. Conducted Spurious Emission Plot  
30 MHz to 617 MHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)





Plot 8-190. Conducted Spurious Emission Plot  
652 MHz to 728 MHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)



Plot 8-191. Conducted Spurious Emission Plot  
746 MHz to 1 GHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)



Plot 8-192. Conducted Spurious Emission Plot  
1 GHz to 8 GHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-band - Mid Channel, Port 0)

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## 8.7 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

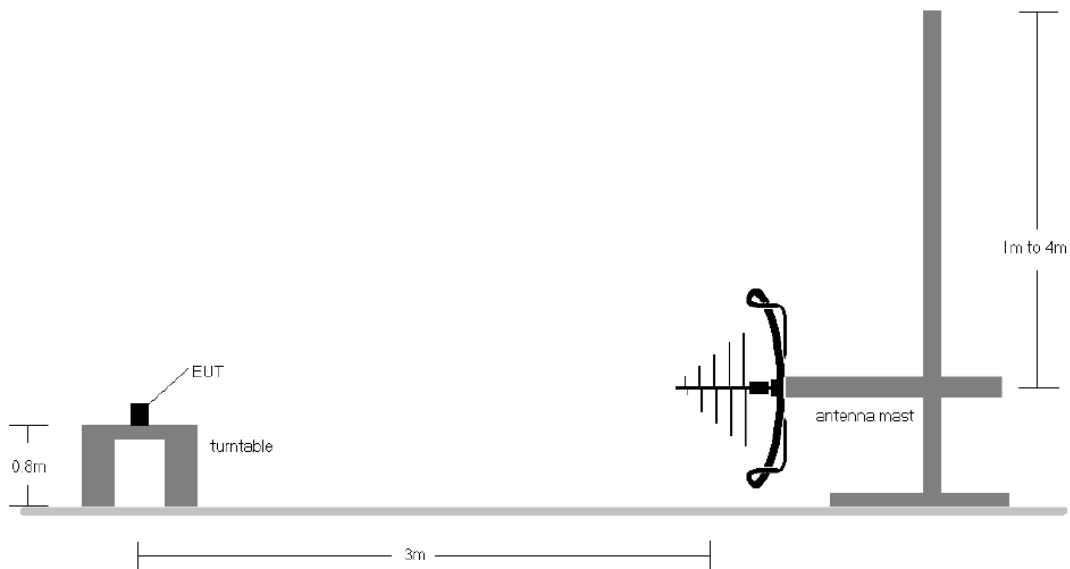
### Test Setting

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.

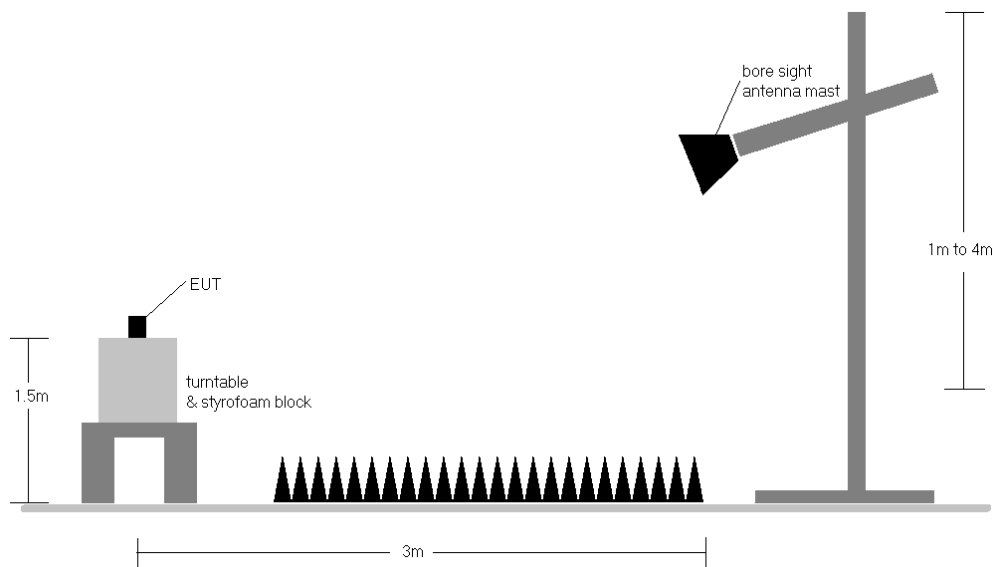
FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 95 of 126	

## Test Setup

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





**Figure 8-6. Test Instrument & Measurement Setup < 1 GHz**



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

## Limit

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

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## Test Notes

1. 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

$$\begin{aligned}\text{Field Strength [dB}\mu\text{V/m]} &= \text{Measured Value [dBm]} + 107 + \text{AFCL [dB/m]} \\ &= -62.88 \text{ [dBm]} + 107 + 7.54 \text{ [dB/m]} = 51.66 \text{ dB}\mu\text{V/m}\end{aligned}$$



$$\begin{aligned}\text{e.i.r.p. [dBm]} &= E[\text{dB } \mu\text{V/m}] + 20 \log_{10}(d[\text{m}]) - 104.8 \\ &= 51.66 \text{ dB}[\mu\text{V/m}] + (20 * \log(3)) - 104.8 \\ &= -43.59 \text{ dBm}\end{aligned}$$

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

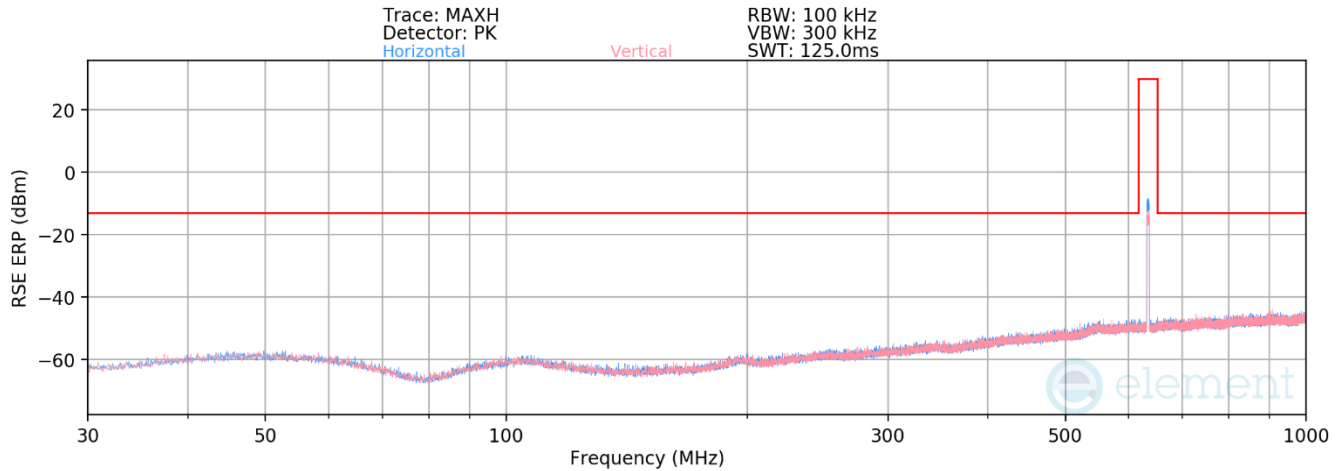
Frequency [MHz]	Antenna Factor (dB/m)	Chamber measurement cable loss + amplifier [dB]	AFCL (dB/m)
987.36	23.30	2.69	25.99
7981.52	37.00	-29.70	7.54

**Table 8-56. Adopted AFCL value in the calculation**

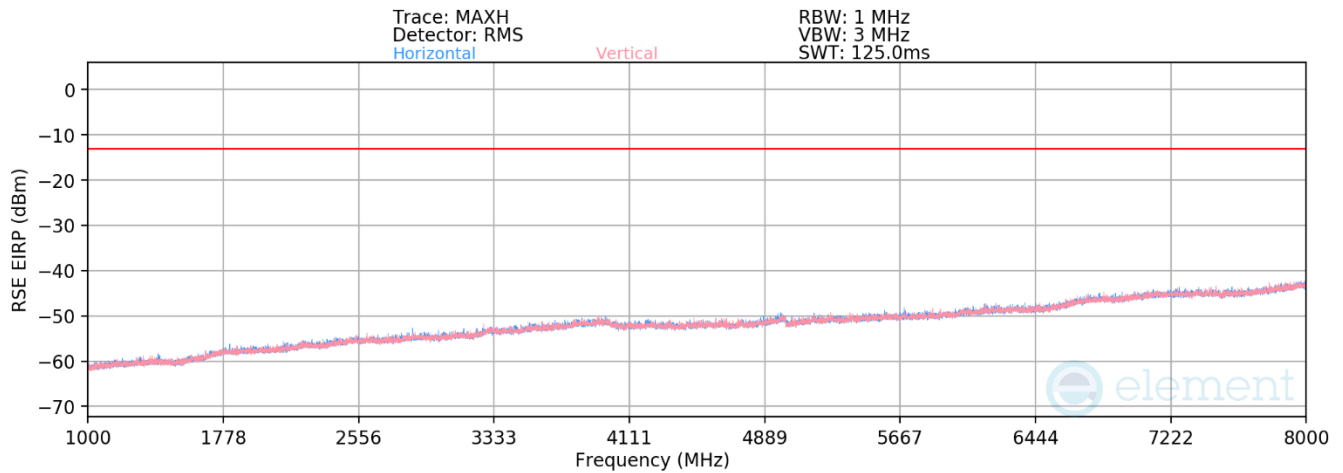
2. The EUT was tested in both horizontal and vertical antenna polarizations and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, channel bandwidth configurations shown in the tables below.
3. The spectrum is measured from 30 MHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
4. All emissions were measured at a 3-meter test distance.
5. Spurious emissions were measured with all EUT antennas transmitting simultaneously and all antenna ports terminated.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. All modes of operation were investigated and the worst case configuration results are reported in this section.

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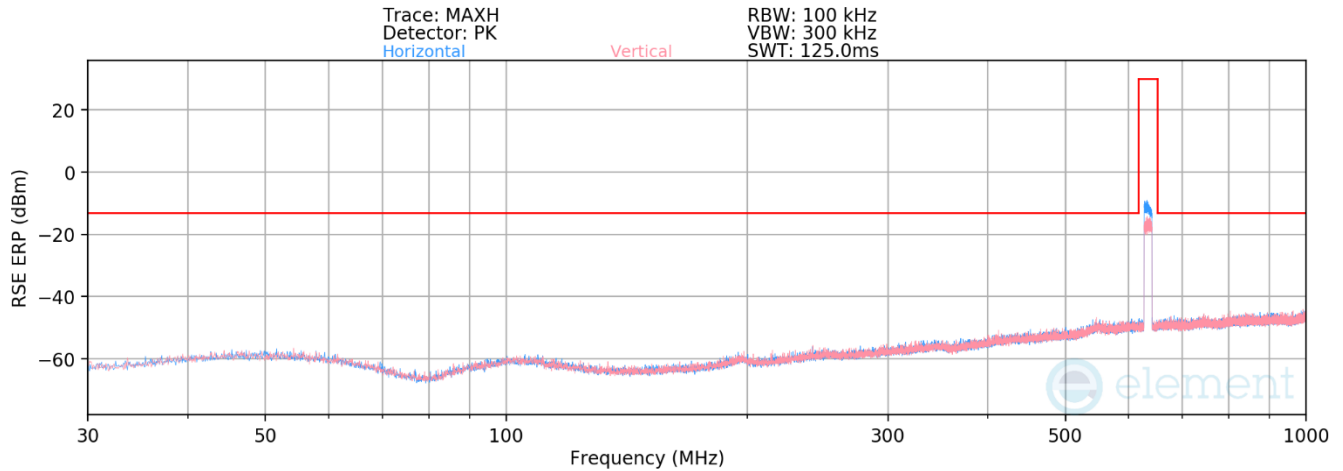


**Plot 8-193. Radiated spurious emission\_30 MHz to 1000 MHz  
(LTE\_B71\_1C\_5M\_Mid Channel)**

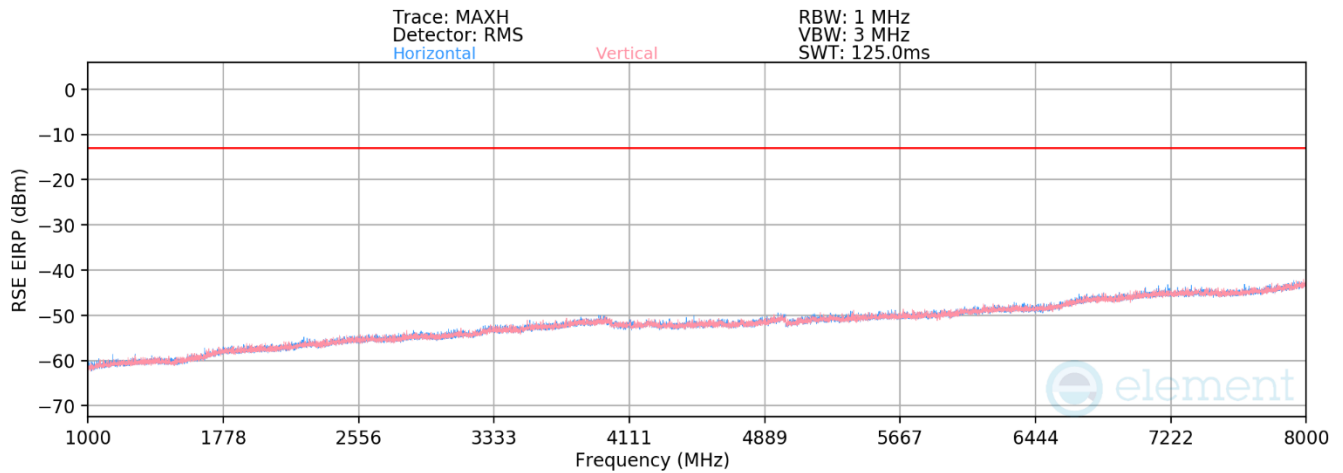


**Plot 8-194. Radiated spurious emission\_1 GHz to 8 GHz  
(LTE\_B71\_1C\_5M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
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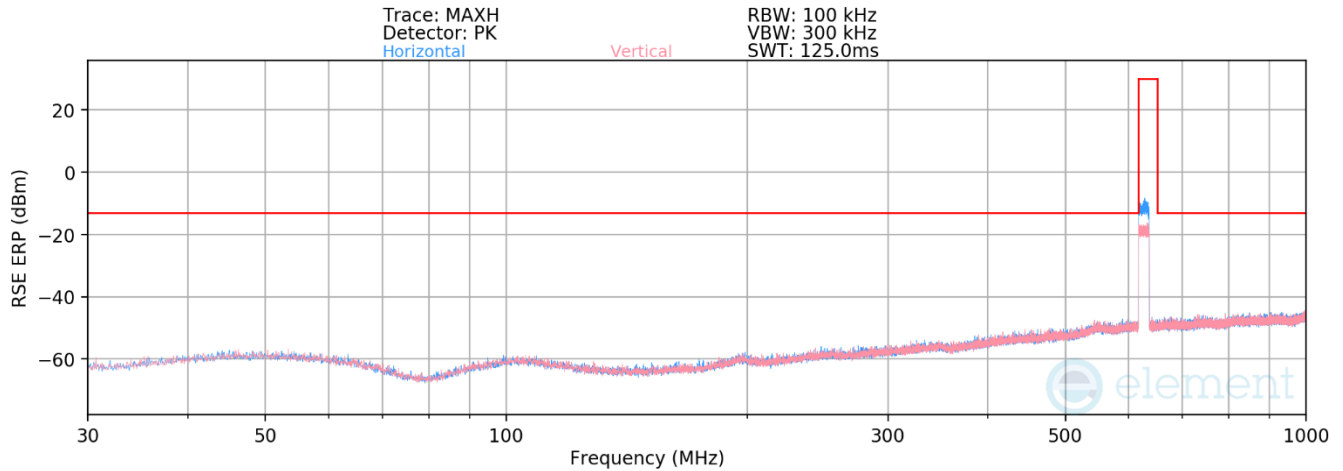


**Plot 8-195. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n71\_1C\_15M\_Mid Channel)**

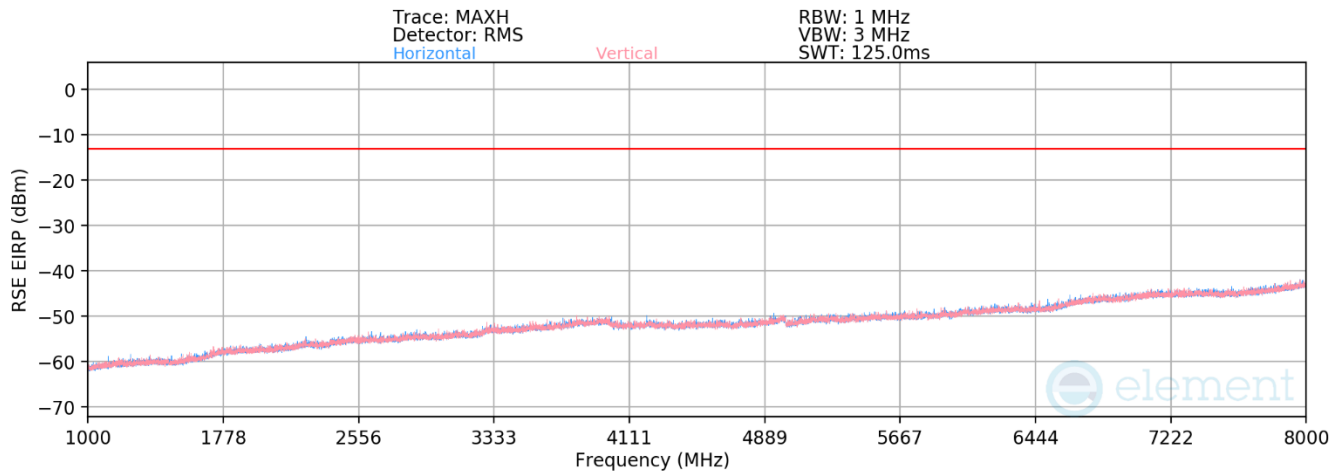


**Plot 8-196. Radiated spurious emission\_1 GHz to 8 GHz  
(NR\_n71\_1C\_15M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
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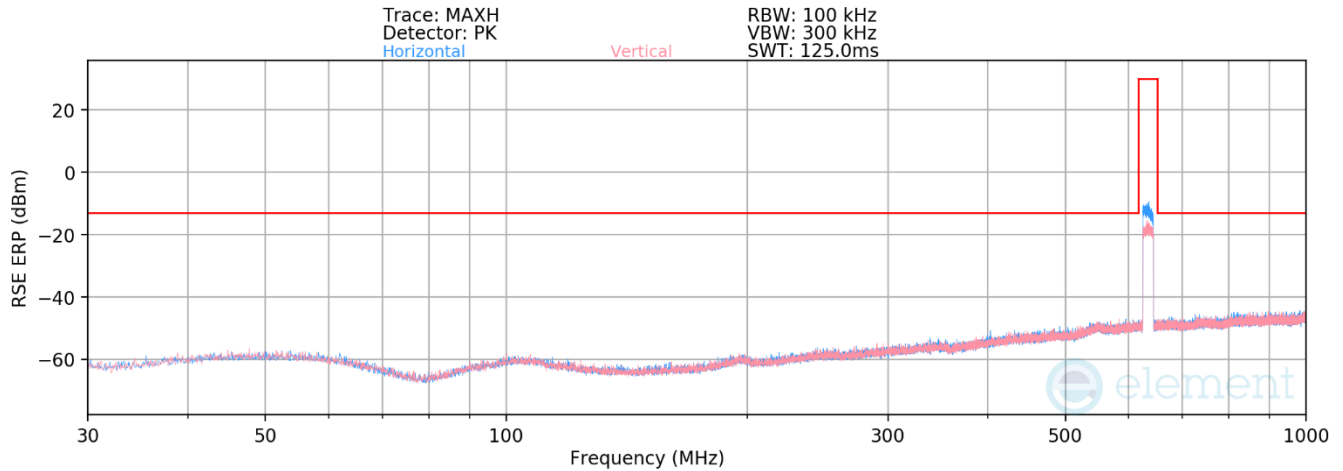


**Plot 8-197. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n71\_1C\_20M\_Low Channel)**

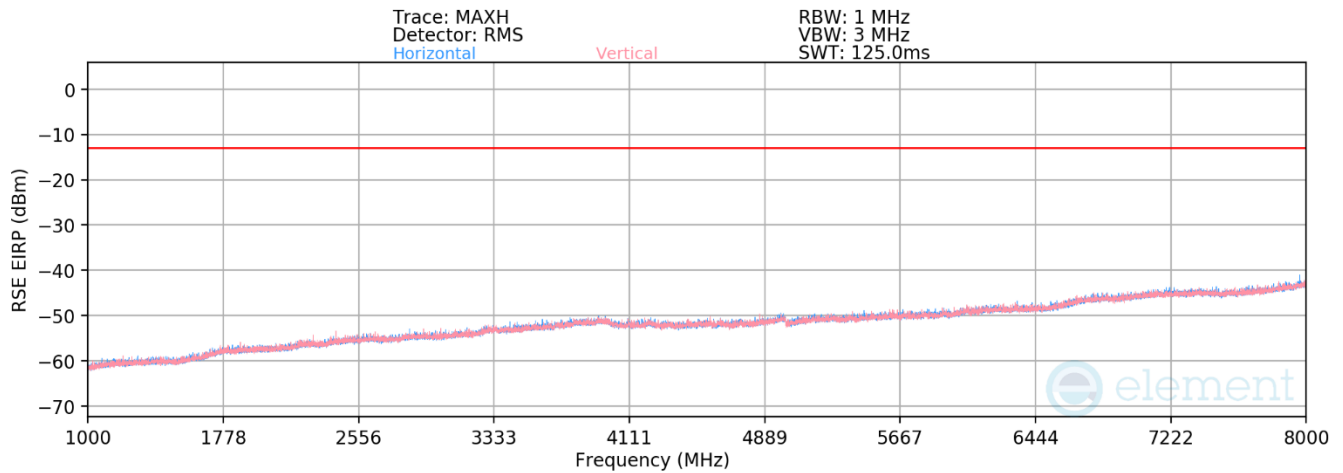


**Plot 8-198. Radiated spurious emission\_1 GHz to 8 GHz  
(NR\_n71\_1C\_20M\_Low Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 100 of 126

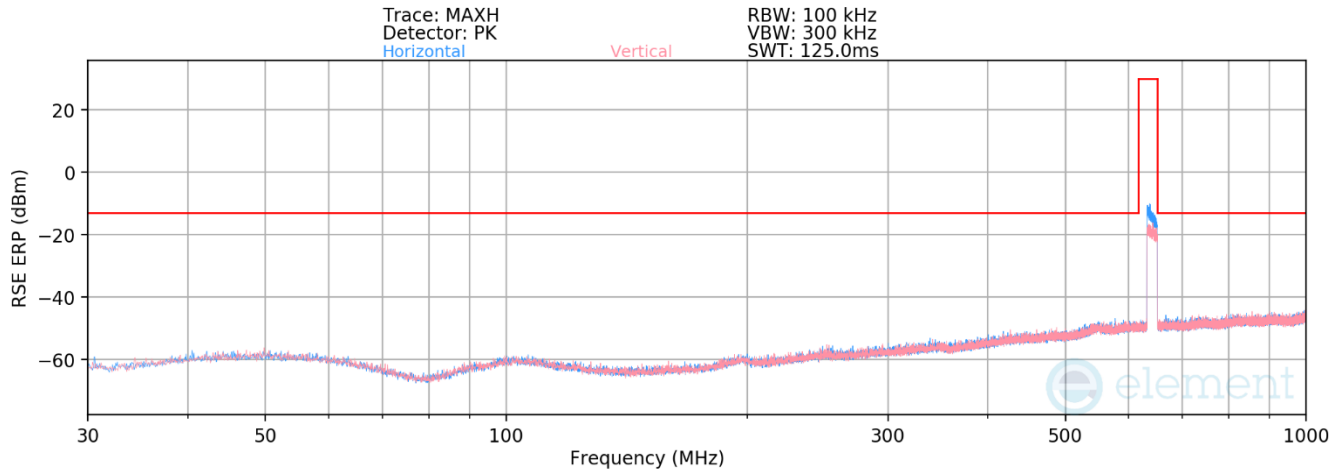


**Plot 8-199. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n71\_1C\_20M\_Mid Channel)**

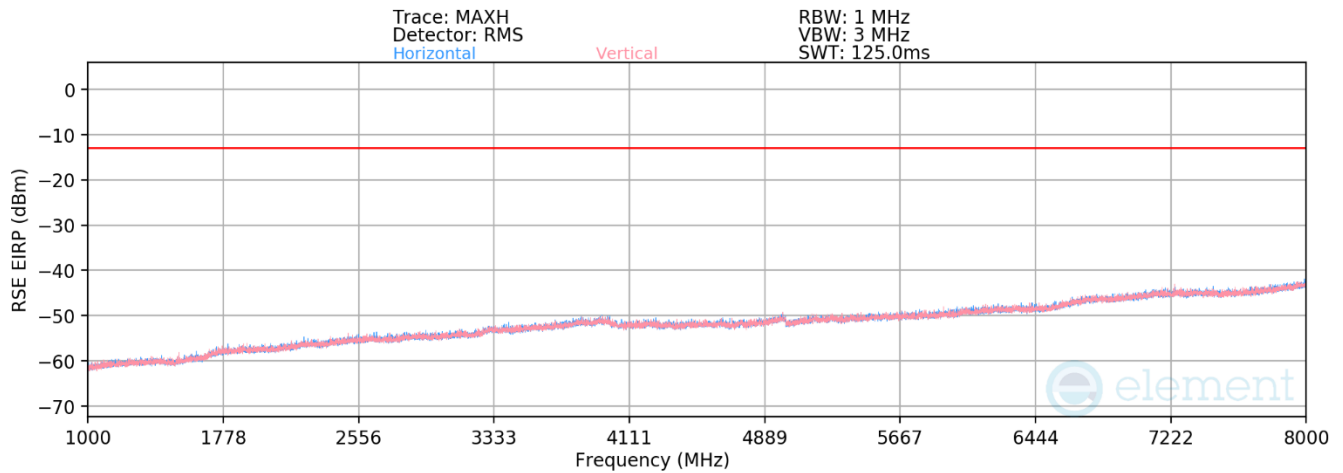


**Plot 8-200. Radiated spurious emission\_1 GHz to 8 GHz  
(NR\_n71\_1C\_20M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 101 of 126

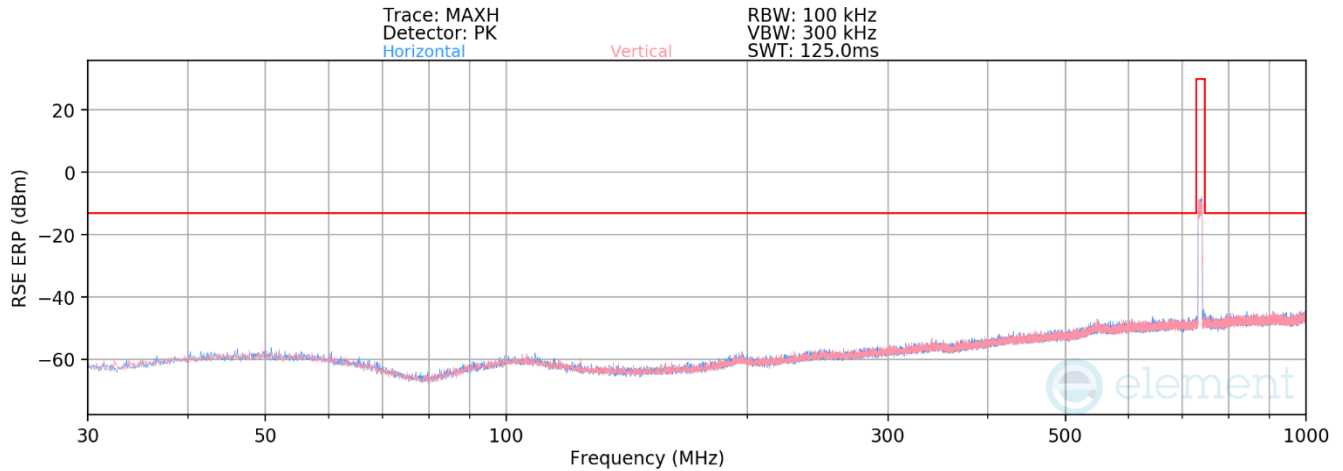


**Plot 8-201. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n71\_1C\_20M\_High Channel)**

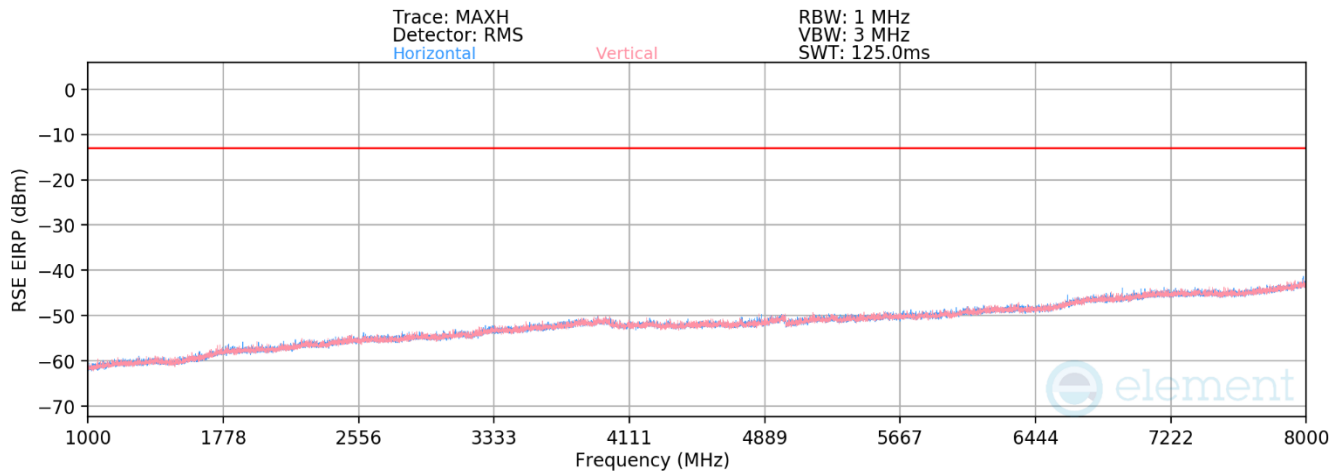


**Plot 8-202. Radiated spurious emission\_1 GHz to 8 GHz  
(NR\_n71\_1C\_20M\_High Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 102 of 126	

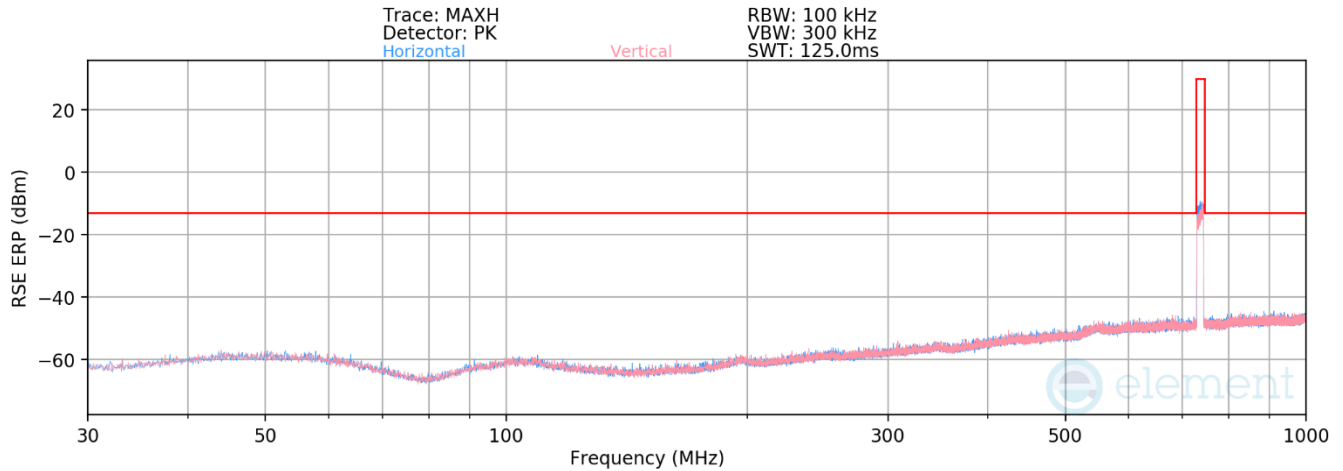


**Plot 8-203. Radiated spurious emission\_30 MHz to 1000 MHz  
(LTE\_B85\_1C\_10M\_Mid Channel)**

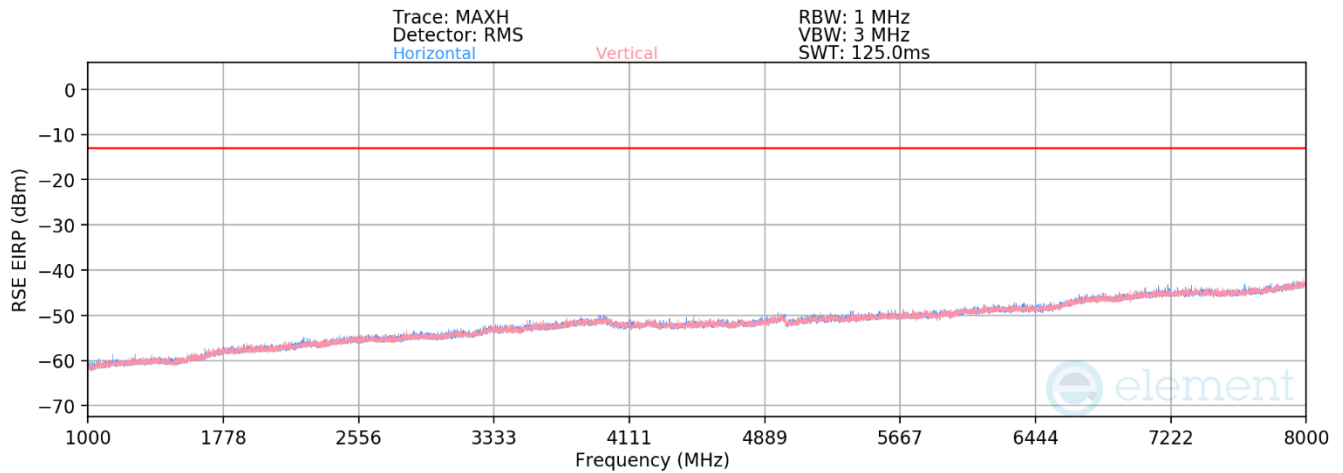


**Plot 8-204. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(LTE\_B85\_1C\_10M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 103 of 126	



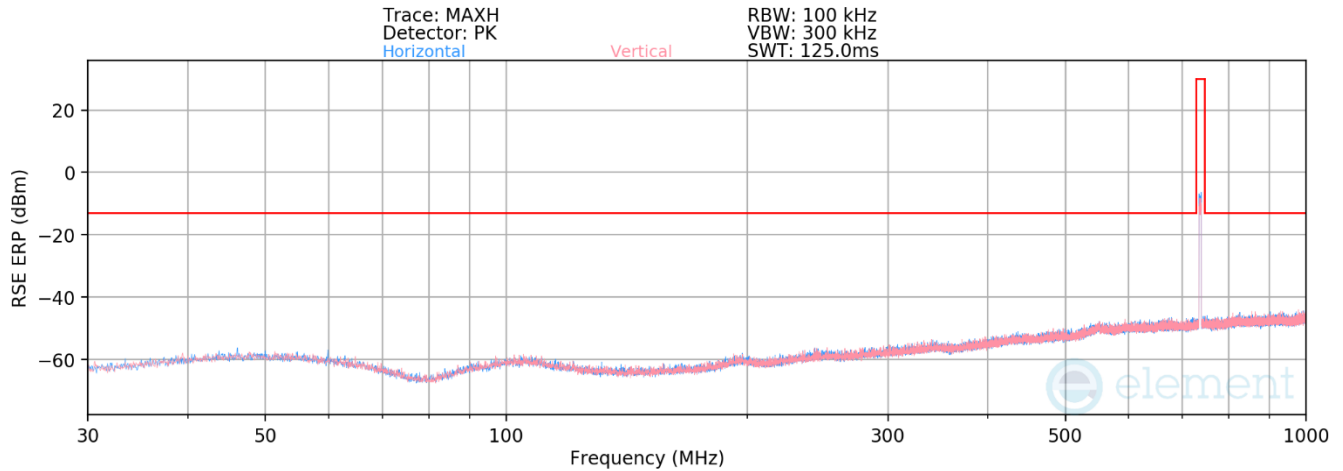
**Plot 8-205. Radiated spurious emission\_30 MHz to 1000 MHz  
(LTE\_B85\_1C\_15M\_Mid Channel)**



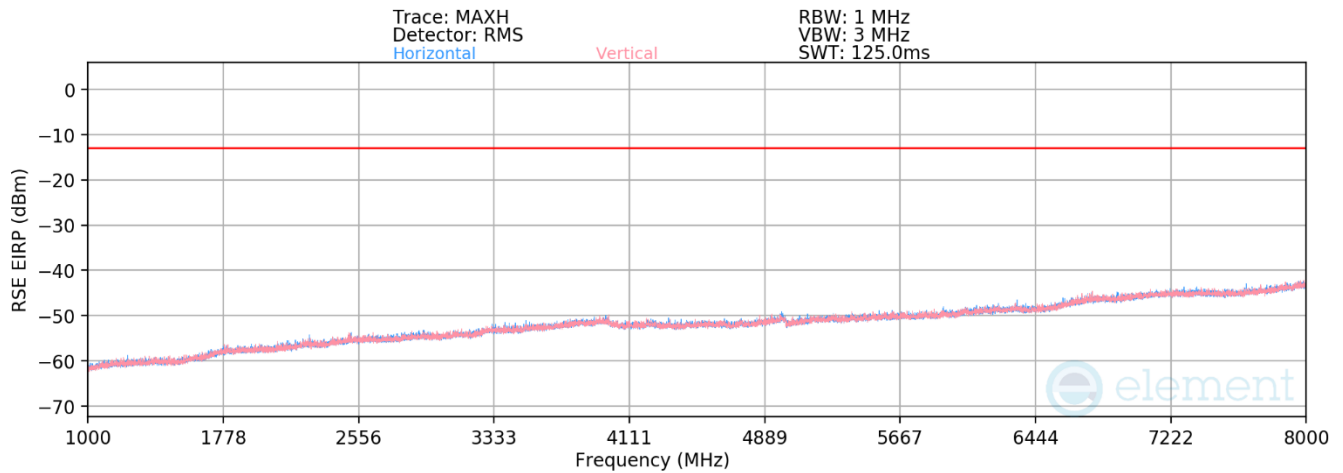
**Plot 8-206. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(LTE\_B85\_1C\_15M\_Mid Channel)**

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 104 of 126	





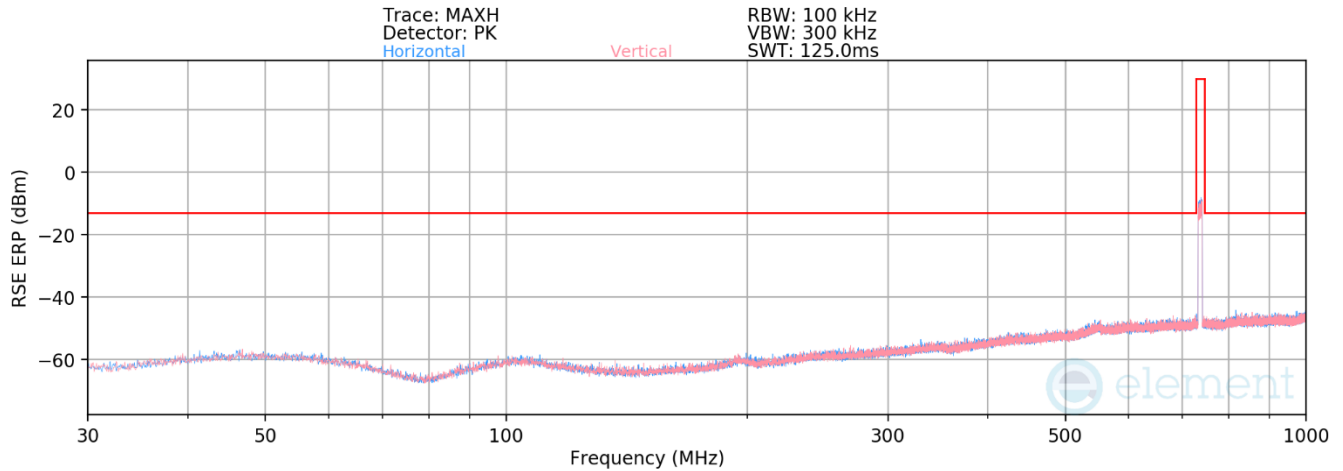


**Plot 8-207. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_1C\_5M\_Mid Channel)**

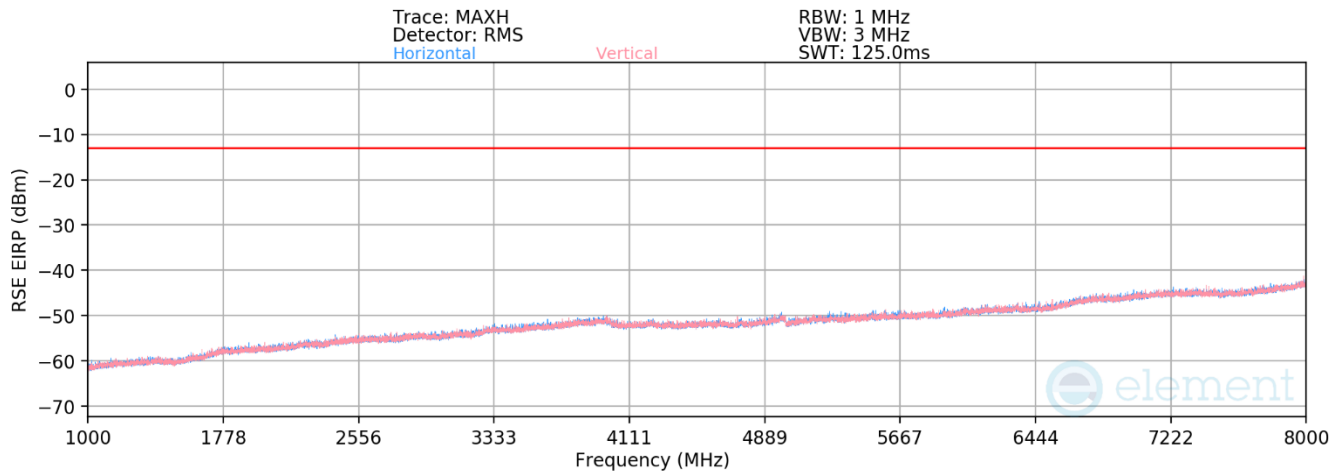


**Plot 8-208. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_1C\_5M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 105 of 126	

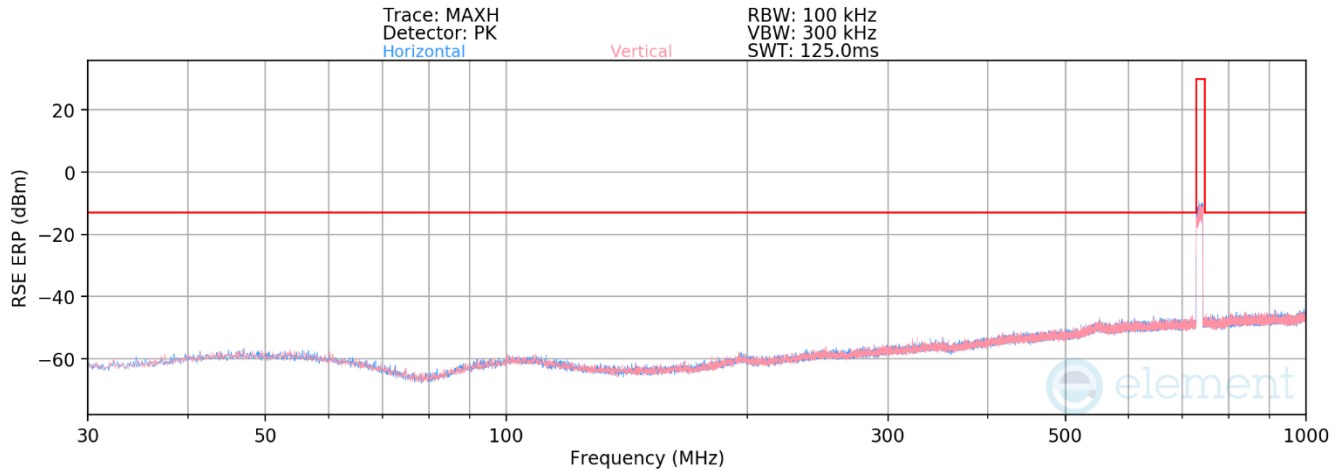


**Plot 8-209. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_1C\_10M\_Mid Channel)**

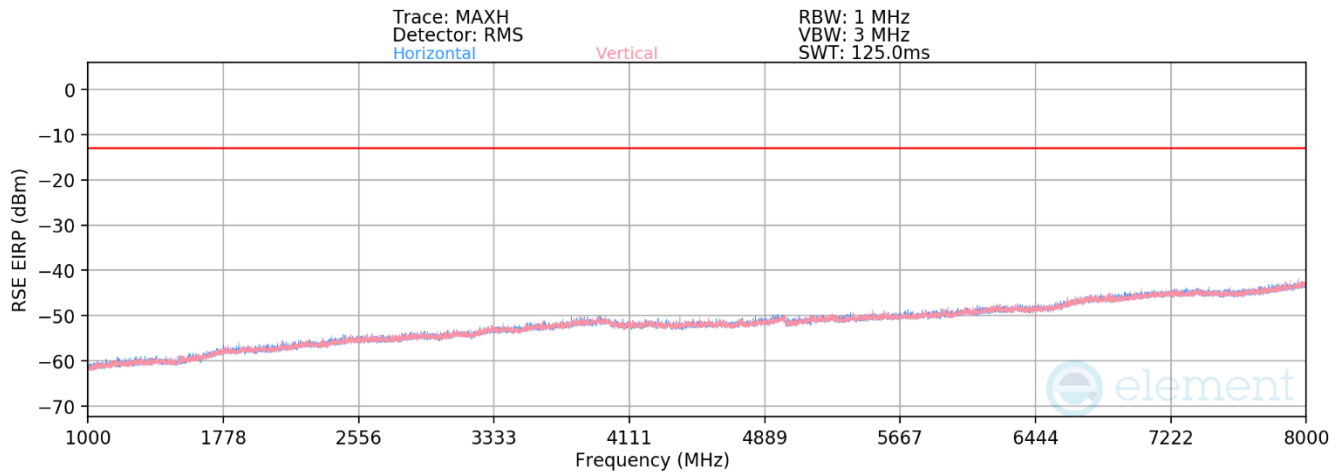


**Plot 8-210. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_1C\_10M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 106 of 126	

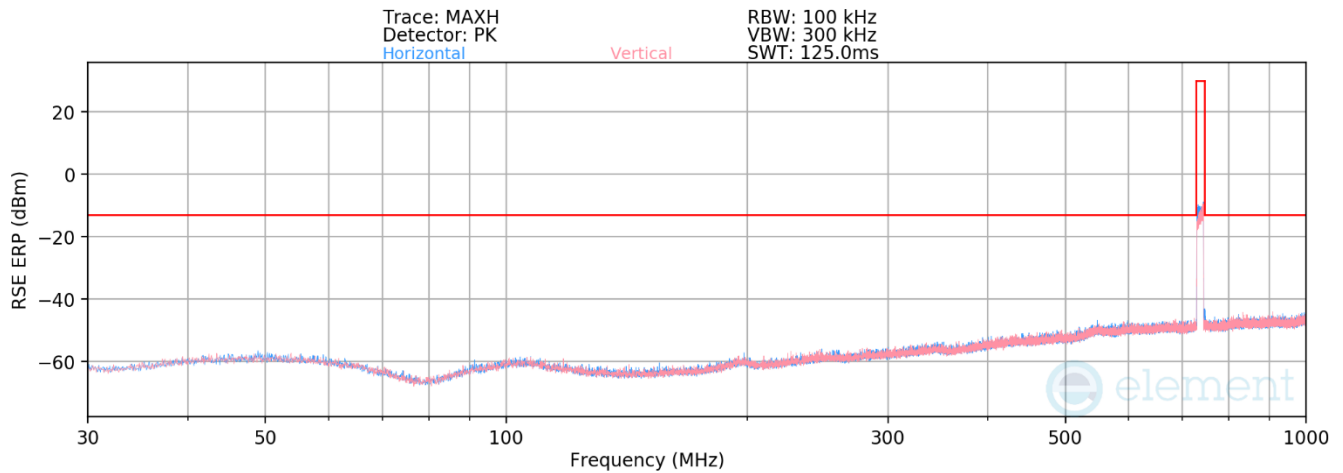


**Plot 8-211. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_1C\_15M\_Low Channel)**

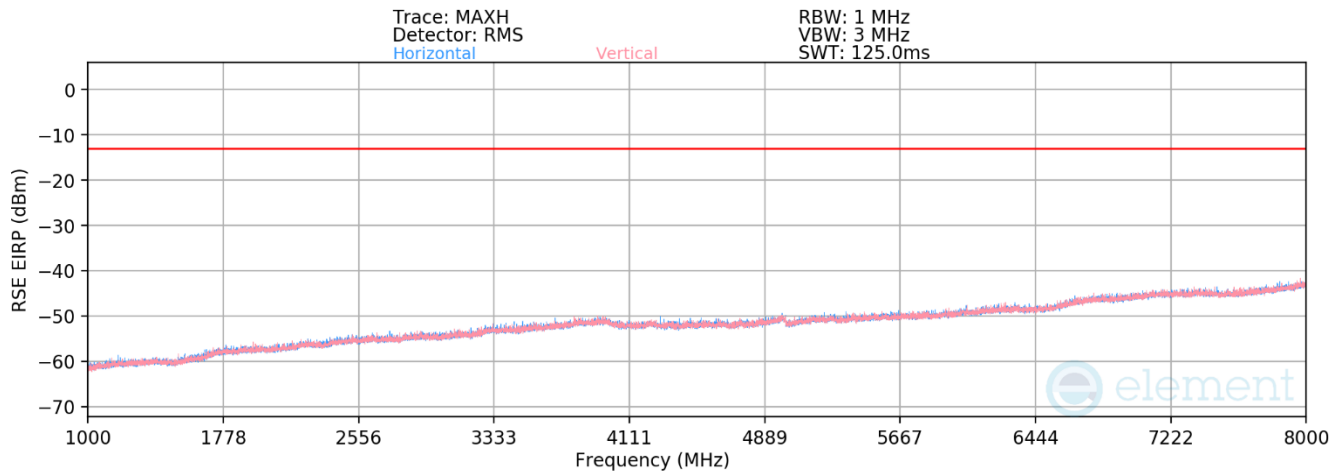


**Plot 8-212. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_1C\_15M\_Low Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 107 of 126	

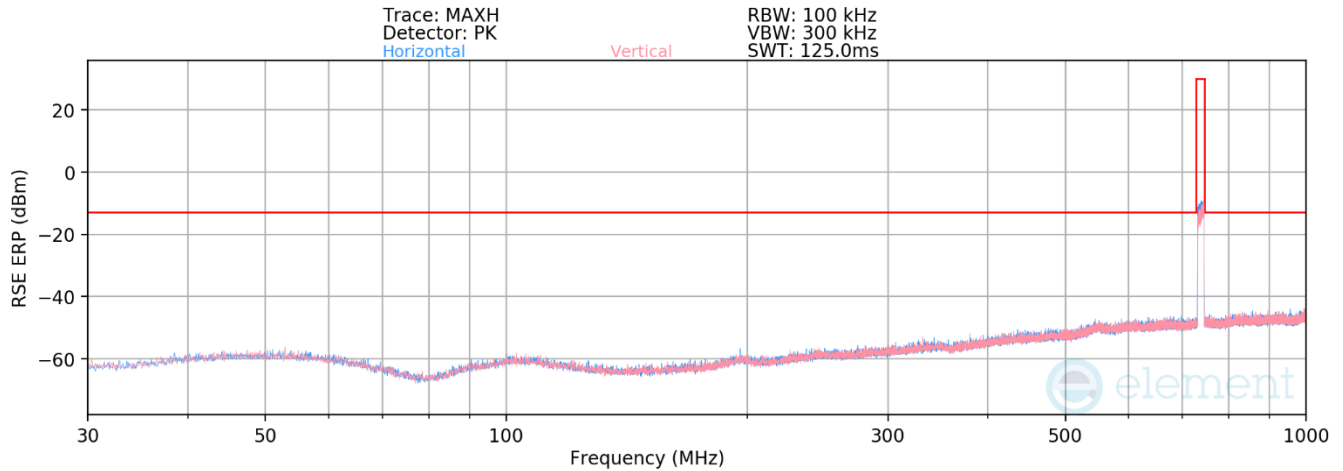


**Plot 8-213. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_1C\_15M\_Mid Channel)**

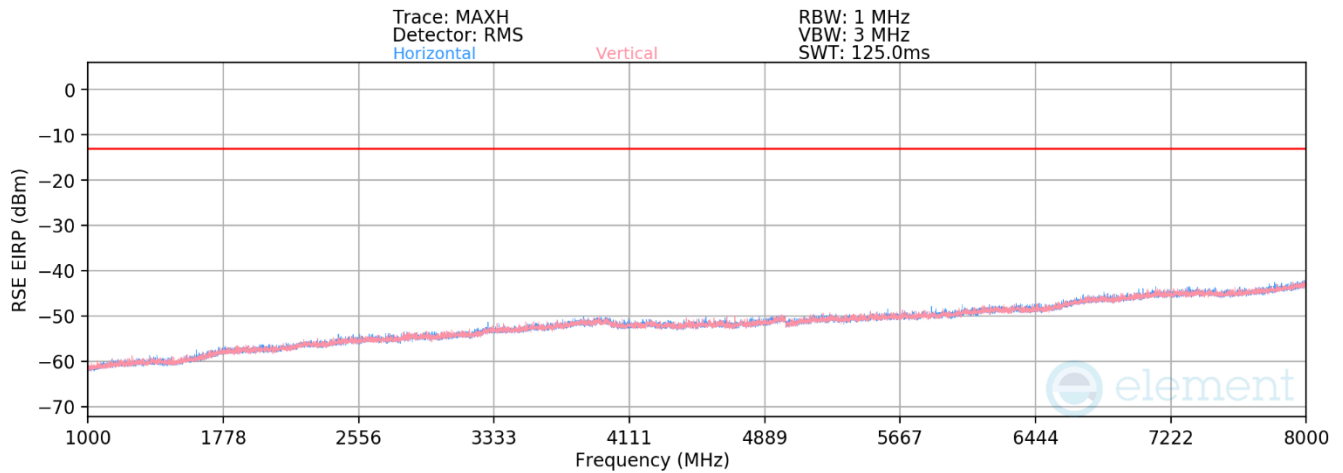


**Plot 8-214. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_1C\_15M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 108 of 126	

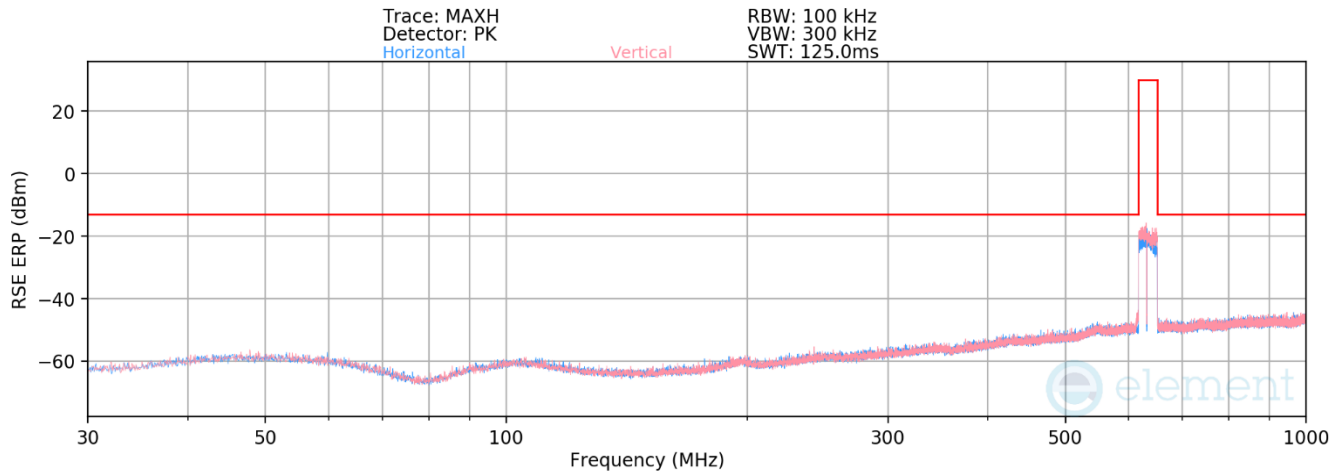


**Plot 8-215. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_1C\_15M\_High Channel)**

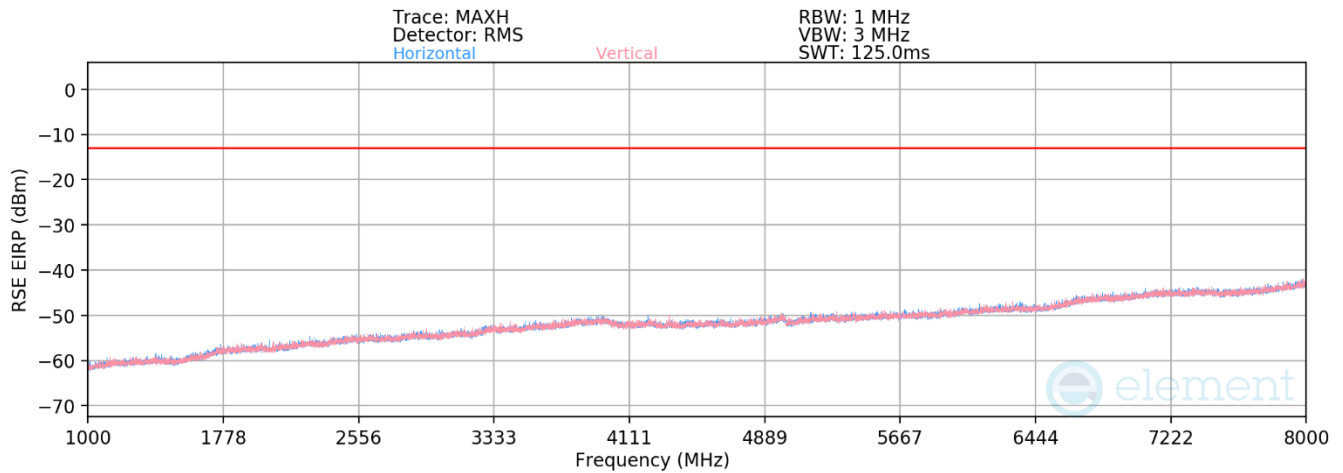


**Plot 8-216. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_1C\_15M\_High Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 109 of 126	

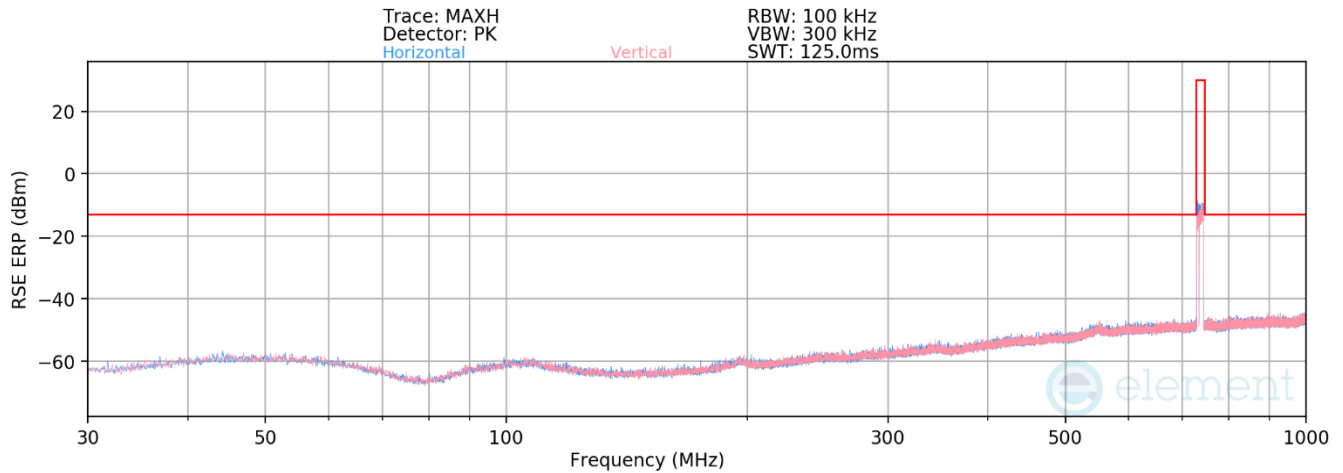


**Plot 8-217. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n71\_2C\_15M+20M\_Mid Channel)**

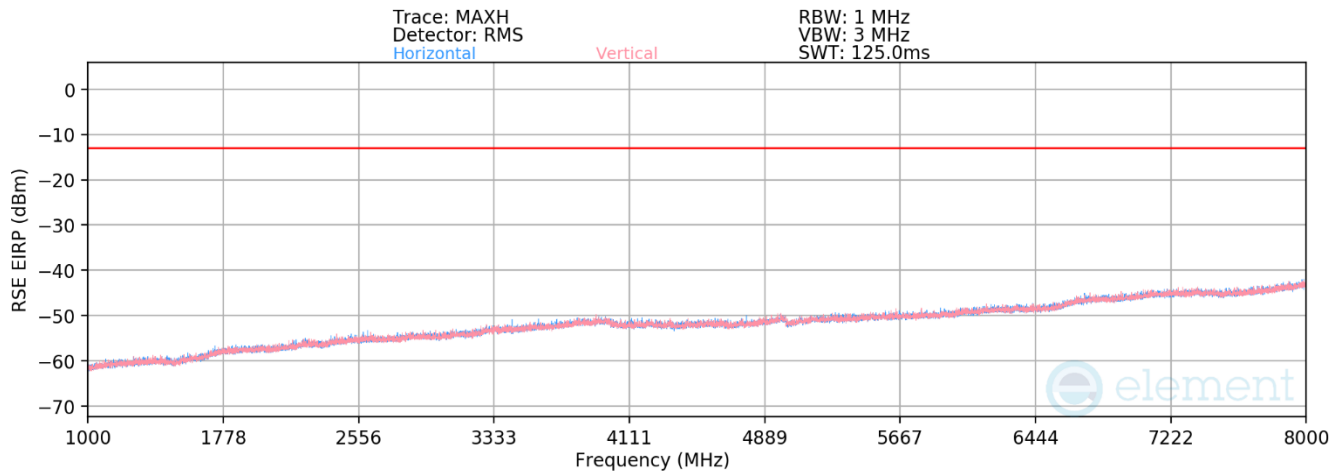


**Plot 8-218. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n71\_2C\_15M+20M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 110 of 126	



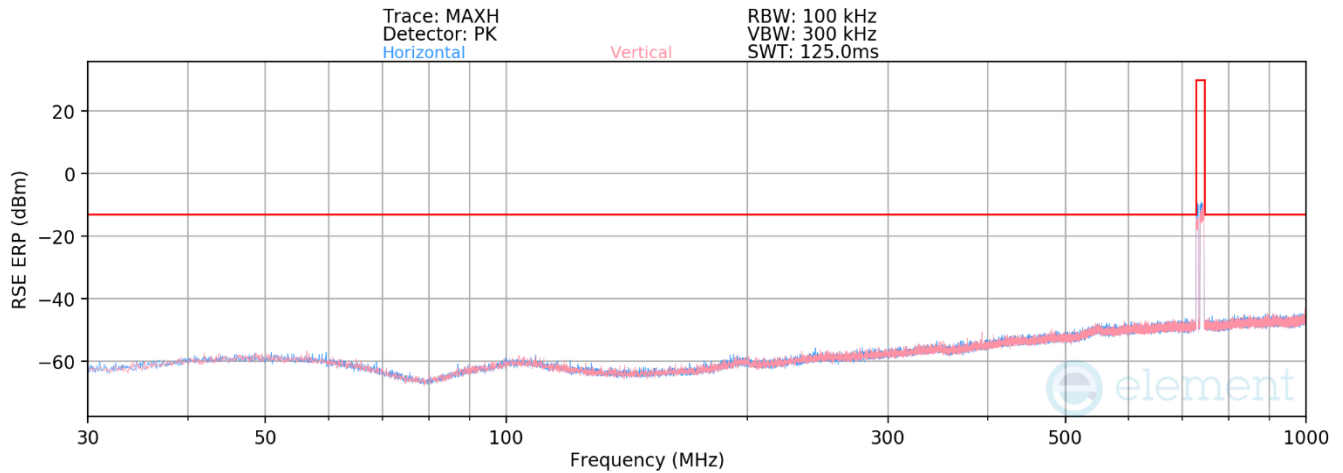
**Plot 8-219. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_2C\_5M+10M\_Mid Channel)**



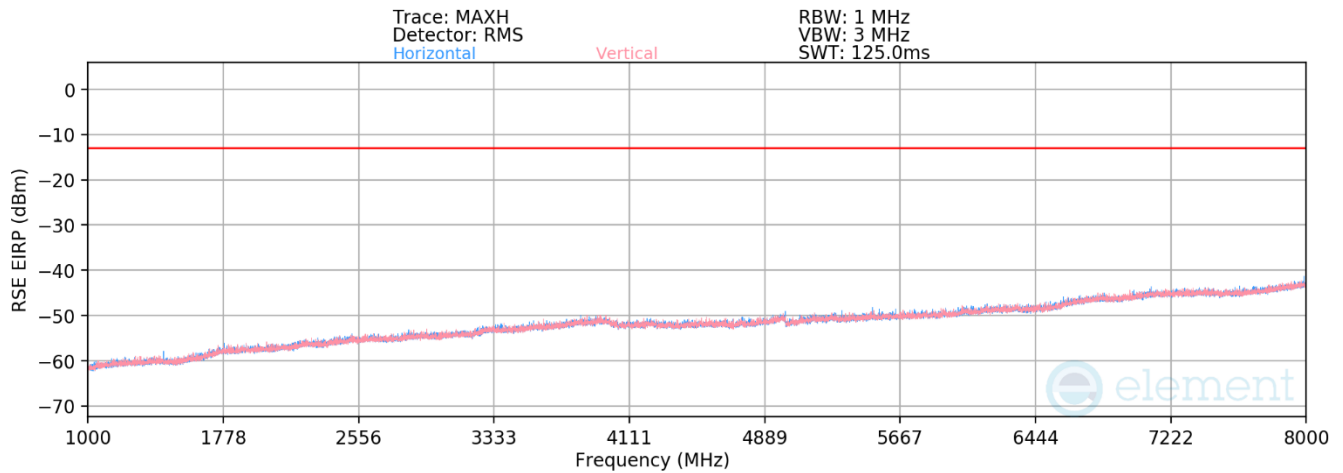
**Plot 8-220. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_2C\_5M+10M\_Mid Channel)**

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 111 of 126	





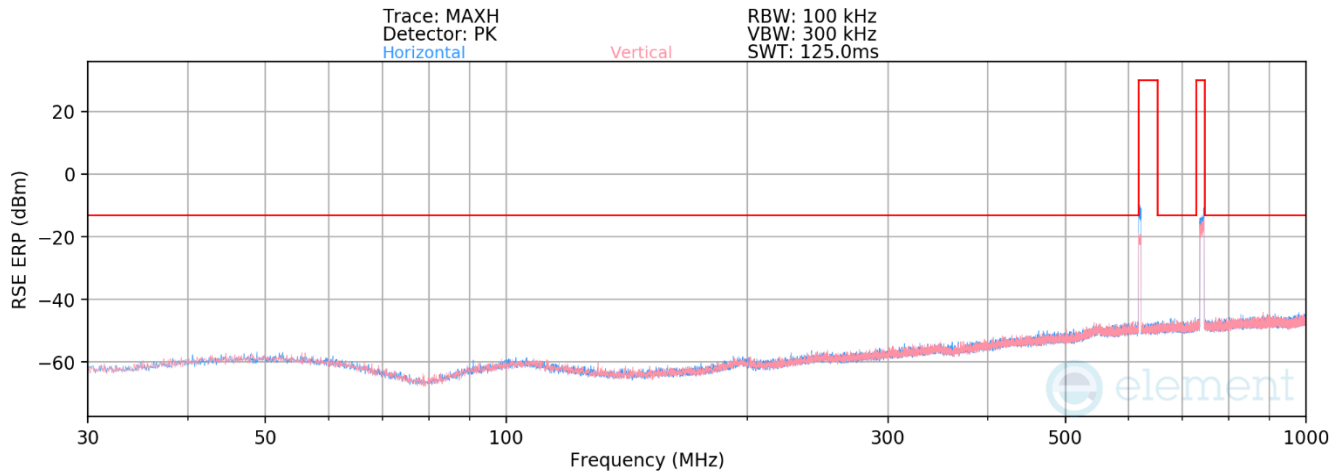


**Plot 8-221. Radiated spurious emission\_30 MHz to 1000 MHz  
(NR\_n85\_2NC\_5M+10M\_Mid Channel)**

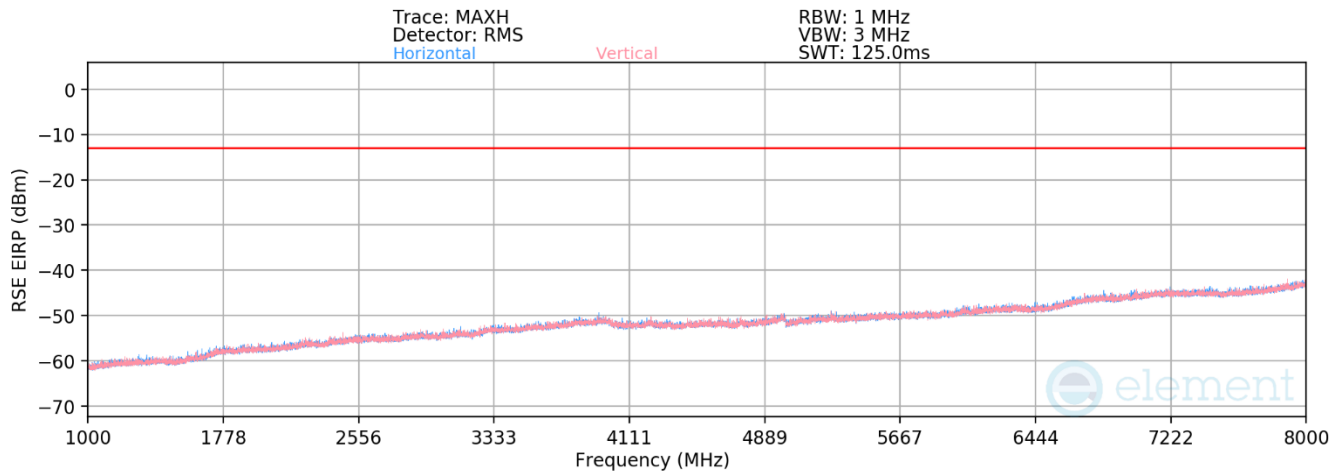


**Plot 8-222. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(NR\_n85\_2NC\_5M+10M\_Mid Channel)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 112 of 126	

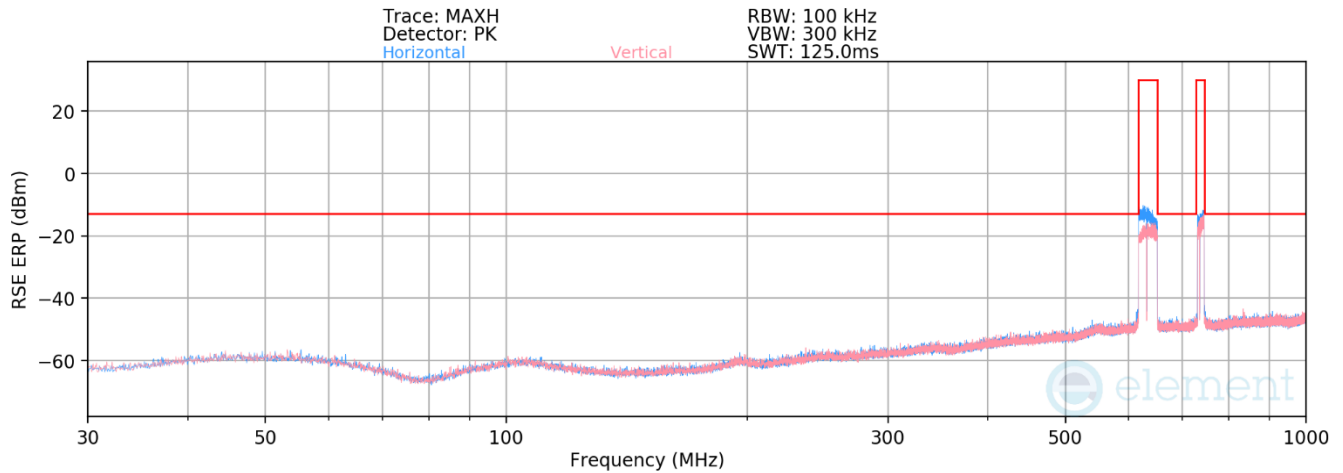


**Plot 8-223. Radiated spurious emission\_30 MHz to 1000 MHz  
(n71\_1C\_5M+n85\_1C\_5M\_Dual-Band Operation)**

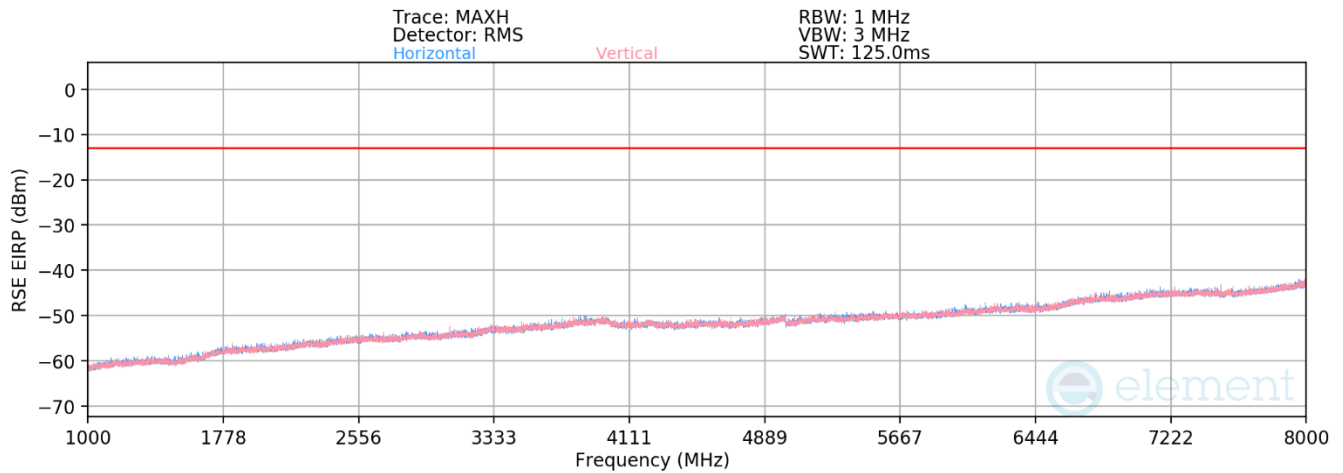


**Plot 8-224. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(n71\_1C\_5M+n85\_1C\_5M\_Dual-Band Operation)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 113 of 126



**Plot 8-225. Radiated spurious emission\_30 MHz to 1000 MHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-Band Operation)**





**Plot 8-226. Radiated spurious emission Plot\_1 GHz to 8 GHz  
(n71\_2C\_15M+20M+n85\_2C\_5M+10M\_Dual-Band Operation)**

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 114 of 126	

Bandwidth (MHz):	n71_2C_15M+20M+n85_2C_5M+10M
Center Frequency (MHz):	624.0 + 642.0 + 733.5+741.0
Modulation Signal:	QPSK



Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable azimuth [degree]	Analyzer Level [dBm/MHz]	AFCL [dBm]	Field Strength [dBμV/m]	RSE EIRP [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
987.36	H	100	60	-84.35	25.99	48.64	-46.62	-13	-33.61
991.25	V	100	180	-85.27	26.02	47.75	-47.51	-13	-34.51
7981.52	H	200	60	-61.97	7.29	52.32	-42.94	-13	-29.94
7936.31	V	100	100	-62.88	7.54	51.66	-43.59	-13	-30.59

**Table 8-57. Radiated spurious emission Worst case Summary Data  
(n71\_2C\_15M+20M + n85\_2C\_5M+10M\_Dual-Band Operation)**

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 115 of 126	

## 9.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung RRU(RF4435d) FCC ID: A3LRF4435D-71A** complies with all of the requirements of Part 27 FCC Rules.

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 116 of 126	

## 10.0 APPENDIX. A

### 10.1 Conducted Average Output Power

#### Test Overview

A transmitter port of EUT is connected to the input of a signal analyzer. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

#### Test Description

KDB 971168 D01 v03r01 – Section 5

KDB 662911 D01 v02r01 – Section E)1) In-Band Power Measurements

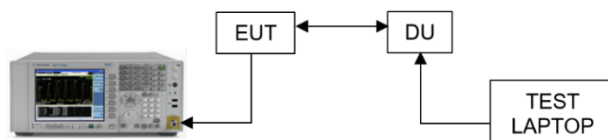
ANSI C63.26-2015 – Section 5.2.4.4.1

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer settings were as follows:

1. Conducted power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 ~ 5% of the expected OBW
3. VBW  $\geq 3 \times$  RBW
4. Span = 2 ~ 3 x OBW
5. No. of sweep points  $\geq 2 \times$  span / RBW
6. Detector = RMS
7. Trigger Settings is set to "RF Power" for signals with non-continuous operation with the sweep times set to "auto". Refer test note 3 for details.
8. Trace mode = Trace-Averaging (RMS) set to average over 100 sweeps
9. The trace was allowed to stabilize

#### Test Setup



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



**Figure 10-1. Test Instrument & Measurement Setup**

#### Limit

N/A

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 117 of 126

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# Note

1. Result for reference maximum output power of Grant of Authorization is under section 10.1.
2. MIMO Calculations are done considering output channel power for all ports and respective margins are calculated according to procedures in section 6.4 of ANSI C63.26 and section D of KDB 971168 D01 v03r01.
3. Consider the following factors for MIMO Power:  
 Conducted power for each port is measured in dBm.  
 Powers are summed up in linear using the measure-and-sum technique defined in KDB 971168 D01 v03r01-Section D.  
 Conducted power per port (dBm) is converted to a linear value (mW). A summation of linear powers for all ports gives us the total MIMO conducted power in milliWatts (mW).
4. Sample Calculation:  
 Let us assume the following numbers:
  - a) Total MIMO Conducted Power as 81642.96 mW
  - b)

Factors	Value	Unit
Summed MIMO Conducted Power (linear sum)	81642.96	mW
Summed MIMO Conducted Power (dBm)	$= 10 * \log (81642.96) =$	49.12 dBm

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)		Page 118 of 126





Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	42.56	42.71	42.71	42.62
	1	42.57	42.64	42.74	42.46
	2	43.45	43.44	43.51	43.41
	3	43.21	43.30	43.45	43.21
	Total Conducted Power (mW)	79173.99	80488.85	82026.73	78769.94
	Total Conducted Power(dBm)	48.99	49.06	49.14	48.96
Mid	0	42.72	42.61	42.78	42.72
	1	42.78	42.89	42.89	42.78
	2	43.40	43.38	43.46	43.32
	3	43.32	43.32	43.35	43.34
	Total Conducted Power (mW)	81029.80	80947.96	82229.81	80729.63
	Total Conducted Power(dBm)	49.09	49.08	49.15	49.07
High	0	<b>42.82</b>	42.87	<b>42.96</b>	42.80
	1	<b>42.74</b>	42.88	<b>42.96</b>	42.80
	2	<b>43.44</b>	43.43	<b>43.56</b>	43.37
	3	<b>43.35</b>	43.31	<b>43.40</b>	43.31
	Total Conducted Power (mW)	<b>81642.96</b>	82231.25	<b>84115.66</b>	81265.13
	Total Conducted Power(dBm)	<b>49.12</b>	49.15	<b>49.25</b>	49.10

**Table 10-1. Conducted Average Output Power Table (LTE\_B71\_1C\_5M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	47.26	47.42	47.37	47.27
	1	47.40	47.31	47.41	47.21
	2	47.74	47.76	47.80	47.75
	3	47.88	47.95	48.13	48.14
	Total Conducted Power (mW)	228970.33	231111.73	234925.48	230664.27
	Total Conducted Power(dBm)	53.60	53.64	53.71	53.63
Mid	0	47.40	47.41	47.45	47.39
	1	47.31	47.41	47.40	47.38
	2	47.85	47.70	47.78	47.74
	3	48.22	48.24	48.33	48.28
	Total Conducted Power (mW)	236109.06	235726.58	238600.56	236256.17
	Total Conducted Power(dBm)	53.73	53.72	53.78	53.73
High	0	<b>47.53</b>	47.67	47.51	<b>47.51</b>
	1	<b>47.49</b>	47.41	47.46	<b>47.45</b>
	2	<b>47.76</b>	47.72	47.82	<b>47.81</b>
	3	<b>48.29</b>	48.24	48.29	<b>48.40</b>
	Total Conducted Power (mW)	<b>239885.06</b>	239396.62	240069.23	<b>241532.15</b>
	Total Conducted Power(dBm)	<b>53.80</b>	53.79	53.80	<b>53.83</b>

**Table 10-2. Conducted Average Output Power Table (NR\_n71\_1C\_15M)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 119 of 126	

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	48.29	48.13	48.23	48.23
	1	48.18	48.26	48.23	48.49
	2	48.89	48.75	48.70	48.70
	3	48.84	48.81	48.79	48.98
	Total Conducted Power (mW)	287224.43	283023.48	282868.94	290357.96
	Total Conducted Power(dBm)	54.58	54.52	54.52	54.63
Mid	0	48.26	48.29	48.49	48.32
	1	48.55	48.42	48.34	48.43
	2	48.80	48.79	48.84	48.80
	3	49.05	49.13	49.22	49.21
	Total Conducted Power (mW)	294813.17	294485.00	298985.59	296808.89
	Total Conducted Power(dBm)	54.70	54.69	54.76	54.72
High	0	<b>48.41</b>	48.51	48.63	<b>48.60</b>
	1	<b>48.44</b>	48.55	48.50	<b>48.48</b>
	2	<b>48.87</b>	48.92	48.91	<b>48.94</b>
	3	<b>49.18</b>	49.05	49.12	<b>49.33</b>
	Total Conducted Power (mW)	<b>299050.38</b>	300907.74	303202.22	<b>306959.65</b>
	Total Conducted Power(dBm)	<b>54.76</b>	54.78	54.82	<b>54.87</b>

**Table 10-3. Conducted Average Output Power Table (NR\_n71\_1C\_20M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	45.48	45.71	45.68	45.61
	1	45.59	45.81	45.64	45.52
	2	46.12	46.06	46.24	46.17
	3	46.17	46.19	46.28	46.25
	Total Conducted Power (mW)	153868.65	157301.35	158161.19	155606.23
	Total Conducted Power(dBm)	51.87	51.97	51.99	51.92
Mid	0	45.78	45.74	45.73	45.78
	1	45.68	45.57	45.53	45.61
	2	46.23	46.20	46.26	46.30
	3	46.40	46.49	46.54	46.60
	Total Conducted Power (mW)	160454.56	159807.73	160486.87	162602.53
	Total Conducted Power(dBm)	52.05	52.04	52.05	52.11
High	0	<b>45.96</b>	45.91	<b>45.96</b>	45.80
	1	<b>45.56</b>	45.55	<b>45.56</b>	45.50
	2	<b>46.35</b>	46.30	<b>46.34</b>	46.40
	3	<b>46.57</b>	46.62	<b>46.70</b>	46.67
	Total Conducted Power (mW)	<b>163966.73</b>	163464.15	<b>165246.84</b>	163603.39
	Total Conducted Power(dBm)	<b>52.15</b>	52.13	<b>52.18</b>	52.14

**Table 10-4. Conducted Average Output Power Table (LTE\_B71\_2C\_5M+5M)**



FCC ID: A3LRF4435D-71A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22092802-00-R1.A3L	Test Dates: 09/29/2022 - 10/26/2022	EUT Type: RRU(RF4435d)		Page 120 of 126

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	45.78	45.63	45.74	45.78
	1	45.82	45.69	45.58	45.79
	2	46.22	46.34	46.43	46.37
	3	46.55	46.20	46.44	46.47
	Total Conducted Power (mW)	163103.64	158367.15	161647.93	163487.71
	Total Conducted Power(dBm)	52.12	52.00	52.09	52.13
Mid	0	45.78	45.87	<b>45.84</b>	45.84
	1	45.74	45.98	<b>45.87</b>	45.70
	2	46.33	46.42	<b>46.60</b>	46.61
	3	46.26	46.44	<b>46.48</b>	46.53
	Total Conducted Power (mW)	160562.06	166173.06	<b>167179.37</b>	166316.42
	Total Conducted Power(dBm)	52.06	52.21	<b>52.23</b>	52.21
High	0	<b>45.87</b>	45.89	45.98	46.02
	1	<b>45.71</b>	45.64	45.67	45.62
	2	<b>46.47</b>	46.44	46.40	46.41
	3	<b>46.54</b>	46.63	46.61	46.66
	Total Conducted Power (mW)	<b>165318.40</b>	165539.94	165991.34	166566.77
	Total Conducted Power(dBm)	<b>52.18</b>	52.19	52.20	52.22

**Table 10-5. Conducted Average Output Power Table (NR\_n71\_2C\_5M+5M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Mid	0	<b>48.32</b>	48.64	<b>48.70</b>	48.72
	1	<b>48.44</b>	48.63	<b>48.92</b>	48.58
	2	<b>49.03</b>	49.12	<b>49.10</b>	49.01
	3	<b>48.99</b>	49.18	<b>49.31</b>	49.30
	Total Conducted Power (mW)	<b>296977.16</b>	310512.11	<b>318707.10</b>	311313.68
	Total Conducted Power(dBm)	<b>54.73</b>	54.92	<b>55.03</b>	54.93

**Table 10-6. Conducted Average Output Power Table (NR\_n71\_2C\_15M+20M)**



FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 121 of 126	

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	47.14	47.19	47.29	47.34
	1	47.12	46.96	47.06	47.15
	2	47.28	47.35	47.25	47.34
	3	47.54	47.49	47.62	47.63
	Total Conducted Power (mW)	213494.44	212449.11	215293.66	218223.05
	Total Conducted Power(dBm)	53.29	53.27	53.33	53.39
Mid	0	<b>47.48</b>	47.29	47.43	<b>47.48</b>
	1	<b>47.17</b>	47.11	47.14	<b>47.20</b>
	2	<b>47.41</b>	47.35	47.34	<b>47.33</b>
	3	<b>47.55</b>	47.73	47.78	<b>47.79</b>
	Total Conducted Power (mW)	<b>220061.29</b>	218601.60	221274.89	<b>222649.31</b>
	Total Conducted Power(dBm)	<b>53.43</b>	53.40	53.45	<b>53.48</b>
High	0	47.39	47.32	47.40	47.33
	1	47.02	46.95	46.99	46.97
	2	47.40	47.39	47.38	47.34
	3	47.72	47.78	47.78	47.79
	Total Conducted Power (mW)	219288.01	218302.89	219638.24	218166.60
	Total Conducted Power(dBm)	53.41	53.39	53.42	53.39

**Table 10-7. Conducted Average Output Power Table (LTE\_B85\_1C\_10M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	48.62	48.72	48.68	48.65
	1	48.80	48.64	48.72	48.76
	2	48.81	48.79	48.72	48.75
	3	48.77	48.77	48.75	48.83
	Total Conducted Power (mW)	300003.92	298605.95	297726.24	299817.74
	Total Conducted Power(dBm)	54.77	54.75	54.74	54.77
Mid	0	48.64	48.60	<b>48.72</b>	48.63
	1	48.63	48.56	<b>48.75</b>	48.62
	2	48.76	48.72	<b>48.76</b>	48.77
	3	48.77	48.90	<b>48.93</b>	48.96
	Total Conducted Power (mW)	296557.51	296320.93	<b>302787.69</b>	299763.87
	Total Conducted Power(dBm)	54.72	54.72	<b>54.81</b>	54.77
High	0	<b>48.75</b>	48.68	48.72	48.67
	1	<b>48.59</b>	48.77	48.59	48.66
	2	<b>48.80</b>	48.78	48.69	48.72
	3	<b>48.89</b>	48.89	48.85	48.89
	Total Conducted Power (mW)	<b>300570.34</b>	302081.38	297446.85	298991.47
	Total Conducted Power(dBm)	<b>54.78</b>	54.80	54.73	54.76

**Table 10-8. Conducted Average Output Power Table (LTE\_n85\_1C\_15M)**



FCC ID: A3LRF4435D-71A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22092802-00-R1.A3L	Test Dates: 09/29/2022 - 10/26/2022	EUT Type: RRU(RF4435d)	Page 122 of 126	

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	43.96	44.30	44.15	44.43
	1	43.78	44.31	44.40	44.55
	2	44.05	44.55	44.43	44.53
	3	44.10	44.61	44.56	44.76
	Total Conducted Power (mW)	99880.37	111309.72	109852.99	114545.22
	Total Conducted Power(dBm)	49.99	50.47	50.41	50.59
Mid	0	<b>44.47</b>	44.40	44.38	<b>44.66</b>
	1	<b>44.52</b>	44.44	44.35	<b>44.41</b>
	2	<b>44.64</b>	44.68	44.60	<b>44.63</b>
	3	<b>44.51</b>	44.74	44.68	<b>44.74</b>
	Total Conducted Power (mW)	<b>113659.70</b>	114501.08	112859.57	<b>115672.69</b>
	Total Conducted Power(dBm)	<b>50.56</b>	50.59	50.53	<b>50.63</b>
High	0	44.59	44.47	44.60	44.41
	1	44.31	44.32	44.23	44.12
	2	44.60	44.67	44.56	44.64
	3	44.53	44.65	44.63	44.56
	Total Conducted Power (mW)	112970.88	113512.60	112941.45	111111.46
	Total Conducted Power(dBm)	50.53	50.55	50.53	50.46

**Table 10-9. Conducted Average Output Power Table (NR\_n85\_1C\_5M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	47.28	<b>47.48</b>	47.43	47.39
	1	46.96	<b>47.21</b>	47.15	47.01
	2	47.53	<b>47.59</b>	47.51	47.43
	3	47.54	<b>47.60</b>	47.54	47.68
	Total Conducted Power (mW)	216494.06	<b>223533.13</b>	220333.24	219010.78
	Total Conducted Power(dBm)	53.35	<b>53.49</b>	53.43	53.40
Mid	0	<b>47.27</b>	47.40	47.35	47.35
	1	<b>47.13</b>	47.07	47.15	47.10
	2	<b>47.61</b>	47.47	47.54	47.45
	3	<b>47.75</b>	47.71	47.67	47.66
	Total Conducted Power (mW)	<b>222217.99</b>	220754.30	221438.51	219546.11
	Total Conducted Power(dBm)	<b>53.47</b>	53.44	53.45	53.42
High	0	47.32	47.29	47.31	47.31
	1	46.98	46.91	47.00	47.01
	2	47.57	47.49	47.54	47.51
	3	47.65	47.73	47.69	47.62
	Total Conducted Power (mW)	219197.70	218067.78	219449.10	218234.61
	Total Conducted Power(dBm)	53.41	53.39	53.41	53.39

**Table 10-10. Conducted Average Output Power Table (NR\_n85\_1C\_10M)**



FCC ID: A3LRF4435D-71A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22092802-00-R1.A3L	Test Dates: 09/29/2022 - 10/26/2022	EUT Type: RRU(RF4435d)	Page 123 of 126	

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	48.69	48.84	48.89	48.83
	1	48.76	48.76	48.90	48.73
	2	48.81	48.92	48.97	48.96
	3	48.82	48.99	49.03	48.84
	Total Conducted Power (mW)	301363.35	308955.09	313940.33	306292.69
	Total Conducted Power(dBm)	54.79	54.90	54.97	54.86
Mid	0	<b>48.94</b>	48.88	<b>49.00</b>	48.87
	1	<b>48.92</b>	48.81	<b>48.80</b>	48.64
	2	<b>48.89</b>	48.98	<b>49.02</b>	48.99
	3	<b>49.16</b>	49.15	<b>49.22</b>	49.25
	Total Conducted Power (mW)	<b>316185.97</b>	314592.81	<b>318650.35</b>	313593.90
	Total Conducted Power(dBm)	<b>55.00</b>	54.98	<b>55.03</b>	54.96
High	0	48.78	48.98	48.93	48.98
	1	48.49	48.66	48.79	48.68
	2	48.90	48.95	49.01	48.98
	3	49.06	49.23	49.27	49.27
	Total Conducted Power (mW)	304303.53	314795.74	317989.89	316454.03
	Total Conducted Power(dBm)	54.83	54.98	55.02	55.00

**Table 10-11. Conducted Average Output Power Table (NR\_n85\_1C\_15M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	47.07	47.21	47.35	47.14
	1	46.84	47.15	47.19	47.19
	2	47.30	47.37	47.41	47.43
	3	47.16	47.37	47.38	47.41
	Total Conducted Power (mW)	204941.75	213633.30	216467.44	214536.51
	Total Conducted Power(dBm)	53.12	53.30	53.35	53.32
Mid	0	<b>47.33</b>	47.32	47.36	47.31
	1	<b>46.98</b>	47.05	47.12	47.07
	2	<b>47.46</b>	47.41	47.40	47.42
	3	<b>47.58</b>	47.50	47.63	47.71
	Total Conducted Power (mW)	<b>216962.06</b>	215965.04	218870.09	218987.92
	Total Conducted Power(dBm)	<b>53.36</b>	53.34	53.40	53.40
High	0	47.30	47.37	47.37	<b>47.37</b>
	1	47.00	47.04	46.96	<b>47.00</b>
	2	47.42	47.37	47.48	<b>47.54</b>
	3	47.57	47.70	47.78	<b>47.72</b>
	Total Conducted Power (mW)	216177.51	218618.40	220189.89	<b>220605.13</b>
	Total Conducted Power(dBm)	53.35	53.40	53.43	<b>53.44</b>

**Table 10-12. Conducted Average Output Power Table (LTE\_B85\_2C\_5M+5M)**



FCC ID: A3LRF4435D-71A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	48.95	48.91	48.88	48.82
	1	48.74	48.68	48.75	48.75
	2	48.94	48.87	48.83	48.78
	3	48.90	49.19	49.14	49.18
	Total Conducted Power (mW)	309308.19	311669.50	310676.21	309500.76
	Total Conducted Power(dBm)	54.90	54.94	54.92	54.91
Mid	0	48.87	48.82	<b>49.06</b>	48.98
	1	48.76	48.78	<b>48.72</b>	48.68
	2	48.84	48.87	<b>48.79</b>	48.83
	3	49.09	49.25	<b>49.36</b>	49.20
	Total Conducted Power (mW)	309908.40	312946.98	<b>316992.19</b>	312418.24
	Total Conducted Power(dBm)	54.91	54.95	<b>55.01</b>	54.95
High	0	<b>48.92</b>	48.90	48.98	49.02
	1	<b>48.78</b>	48.58	48.74	48.72
	2	<b>48.83</b>	48.82	48.76	48.85
	3	<b>49.25</b>	49.19	49.14	49.31
	Total Conducted Power (mW)	<b>314015.33</b>	308928.44	311082.26	316318.83
	Total Conducted Power(dBm)	<b>54.97</b>	54.90	54.93	55.00

**Table 10-13. Conducted Average Output Power Table (LTE\_B85\_2C\_5M+10M)**

Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	47.32	47.42	47.39	47.48
	1	47.10	47.10	47.24	47.27
	2	47.36	47.44	47.44	47.51
	3	47.39	47.51	47.68	47.58
	Total Conducted Power (mW)	214515.16	218320.22	221870.43	222952.62
	Total Conducted Power(dBm)	53.31	53.39	53.46	53.48
Mid	0	<b>47.34</b>	47.50	47.52	47.44
	1	<b>47.24</b>	47.25	47.19	47.10
	2	<b>47.54</b>	47.55	47.55	47.55
	3	<b>47.68</b>	47.73	47.79	47.69
	Total Conducted Power (mW)	<b>222534.71</b>	225500.40	225856.41	222382.94
	Total Conducted Power(dBm)	<b>53.47</b>	53.53	53.54	53.47
High	0	47.38	<b>47.47</b>	47.45	47.32
	1	47.09	<b>47.15</b>	47.01	46.99
	2	47.63	<b>47.65</b>	47.64	47.66
	3	47.68	<b>47.85</b>	47.62	47.71
	Total Conducted Power (mW)	222426.47	<b>226891.03</b>	221710.73	221319.13
	Total Conducted Power(dBm)	53.47	<b>53.56</b>	53.46	53.45



**Table 10-14. Conducted Average Output Power Table (NR\_n85\_2C\_5M+5M)**

FCC ID: A3LRF4435D-71A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22092802-00-R1.A3L	Test Dates: 09/29/2022 - 10/26/2022	EUT Type: RRU(RF4435d)		Page 125 of 126



Channel	Port	QPSK	16QAM	64QAM	256QAM
Low	0	<b>48.97</b>	48.92	48.64	48.56
	1	<b>48.76</b>	48.64	48.29	48.51
	2	<b>49.07</b>	48.99	48.66	48.56
	3	<b>49.41</b>	49.06	48.94	48.94
	Total Conducted Power (mW)	<b>322068.94</b>	310884.90	292361.06	292859.60
	Total Conducted Power(dBm)	<b>55.08</b>	54.93	54.66	54.67
Mid	0	48.92	<b>48.93</b>	48.76	48.63
	1	48.65	<b>48.74</b>	48.15	48.23
	2	48.86	<b>49.06</b>	48.83	48.71
	3	48.92	<b>49.24</b>	48.87	48.96
	Total Conducted Power (mW)	306161.52	<b>317463.57</b>	293949.27	292479.56
	Total Conducted Power(dBm)	54.86	<b>55.02</b>	54.68	54.66
High	0	48.81	48.99	48.73	48.48
	1	48.52	48.57	48.23	48.36
	2	48.94	49.03	48.80	48.60
	3	49.15	48.92	48.99	48.73
	Total Conducted Power (mW)	307721.21	309161.47	296280.08	286106.60
	Total Conducted Power(dBm)	54.88	54.90	54.72	54.57

**Table 10-15. Conducted Average Output Power Table (NR\_n85\_2C\_5M+10M)**

FCC ID: A3LRF4435D-71A		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 8K22092802-00-R1.A3L	<b>Test Dates:</b> 09/29/2022 - 10/26/2022	<b>EUT Type:</b> RRU(RF4435d)	Page 126 of 126	