BAND EDGE COMPLIANCE - GUARD BAND

XMit 2022.02.07.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Block - DC	Fairview Microwave	SD3379	AMT	2021-09-14	2022-09-14
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFQ	2022-01-17	2023-01-17

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in the available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

All limits were adjusted by a factor of [-10*log(4)] dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per FCC 24.238(a) and RSS 133 6.5.1 (i). the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per FCC 24.238(b) and RSS 133 6.5.1 (i). emissions seen up to 1 MHz outside of authorized operating frequency range band edges shall be measured with a RBW of 1% of the measured emission bandwidth. Any emission seen to be > 1 MHz further outside the band edges shall be measured with a RBW of 1 MHz. However, a narrower RBW of at least 1% of the emission bandwidth is still allowed provided that the measured power is integrated over the full reference bandwidth of 1 MHz.

Per section FCC 27.53(h)(1), RSS-139 6.6 and RSS-170 5.4 & 5.4.1.2, the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm for a 1 MHz measurement bandwidth. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.
The RBW to be used for these measurements are per 27.53(h)(3), RSS-139 6.6 and RSS-170 5.4. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified).

RF conducted emissions testing was performed only on one port. All four AHFII antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

EUT:	AHFII Remote Radio Head	Work Order:	NOKI0037
Serial Number:	YK214000036	Date:	28-Feb-22
Customer:	Nokia Solutions and Networks	Temperature:	22.6 °C
Attendees:	David Le, John Rattanavong	Humidity:	23.7% RH
Project:	None	Barometric Pres.:	1026 mbar
Tested by:	Mark Baytan	Power: 54 VDC	Job Site: TX09

TEST SPECIFICATIONS	Test Method
FCC 24E:2022	ANSI C63.26:2015
RSS-133 Issue 6:2013+A1:2018	RSS-133 Issue 6:2013+A1:2018

COMMENTS

All measurement path loses accounted for in the reference level offest including any attenuators, filters, and DC blocks. Band 25 carriers enabled at maximum power is 80 watts/carrier. Some marker values were offset by RBW/2 from the band edge frequency as allowed by ANSI C63.26 Clause 5.7.2 for some test cases.

DEVIATIONS FROM TEST STANDARD

None

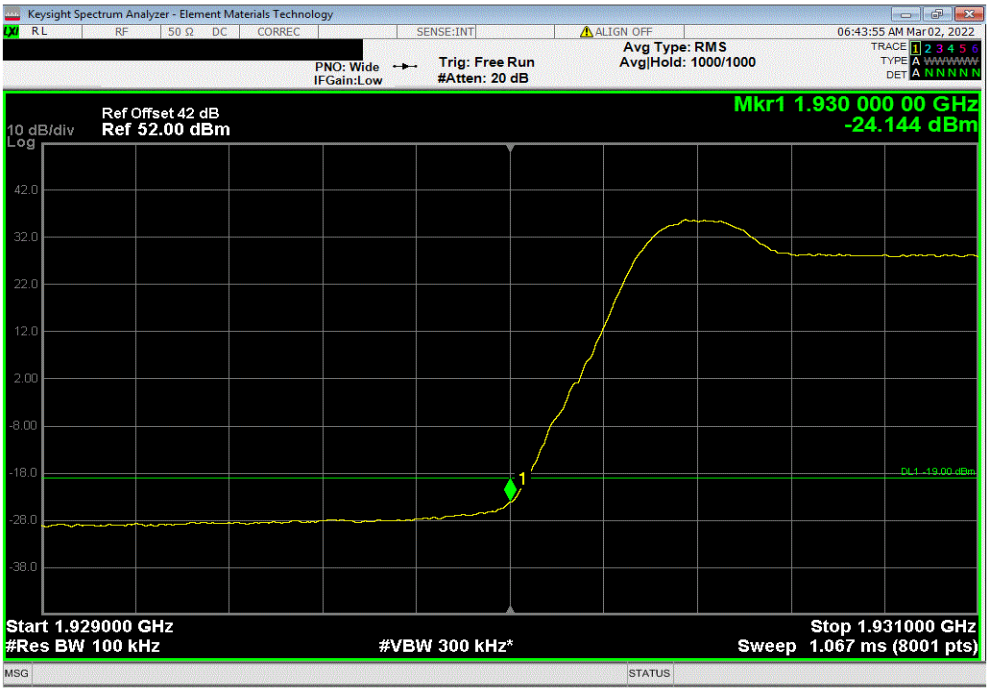
Configuration #	2	Signature

	Frequency Range	Max Value (dBm)	Limit (dBm)	Results
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band				
Port 1				
10 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1935 MHz	1	-24.1	-19	Pass
Low Channel, 1935 MHz	2	-19.5	-19	Pass
Low Channel, 1935 MHz	3	-20.1	-19	Pass
High Channel, 1990 MHz	1	-24.5	-19	Pass
High Channel, 1990 MHz	2	-20.1	-19	Pass
High Channel, 1990 MHz	3	-20.7	-19	Pass
15 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1937.5 MHz	1	-24.2	-19	Pass
Low Channel, 1937.5 MHz	2	-20.3	-19	Pass
Low Channel, 1937.5 MHz	3	-20.1	-19	Pass
High Channel, 1987.5 MHz	1	-24.4	-19	Pass
High Channel, 1987.5 MHz	2	-20.1	-19	Pass
High Channel, 1987.5 MHz	3	-20.4	-19	Pass
20 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1940 MHz	1	-23.9	-19	Pass
Low Channel, 1940 MHz	2	-21.1	-19	Pass
Low Channel, 1940 MHz	3	-21.1	-19	Pass
High Channel, 1985 MHz	1	-23.2	-19	Pass
High Channel, 1985 MHz	2	-19.7	-19	Pass
High Channel, 1985 MHz	3	-20.0	-19	Pass

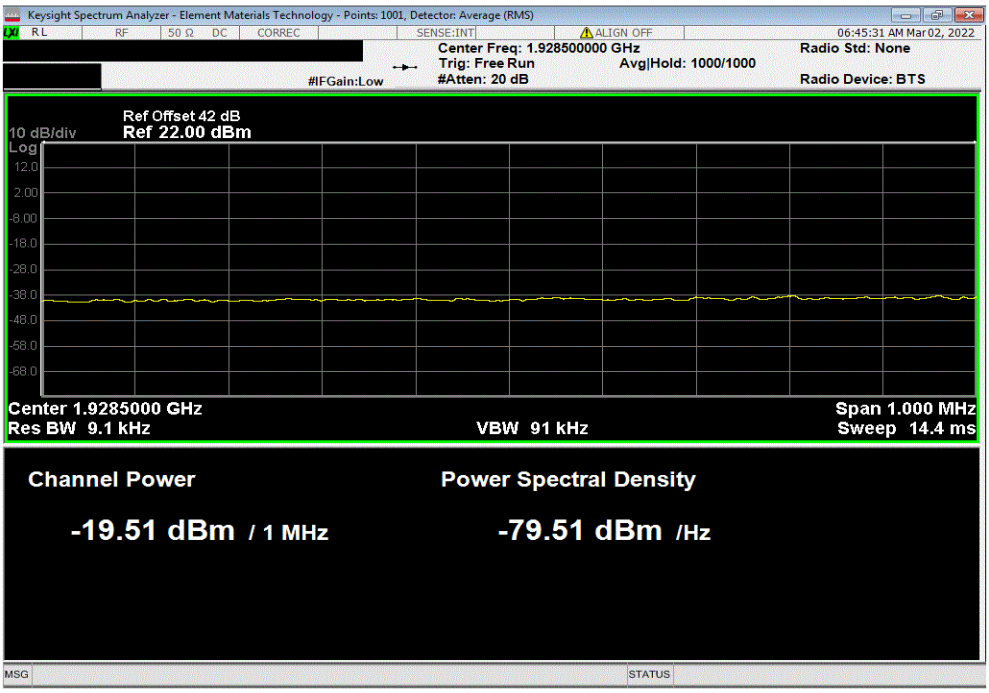
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.1	-19	Pass



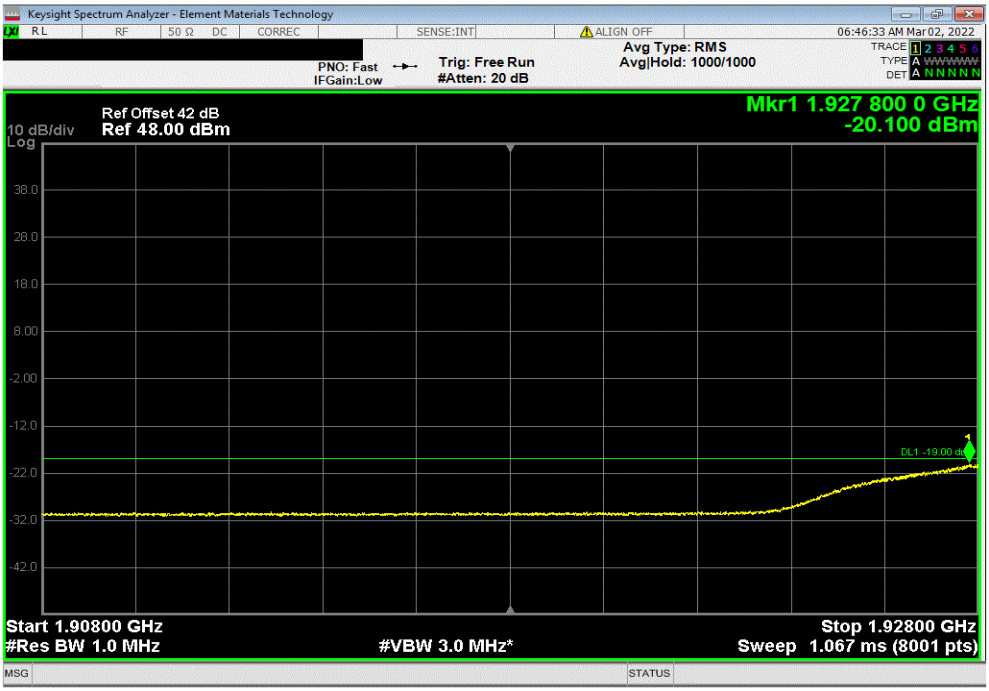
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-19.5	-19	Pass



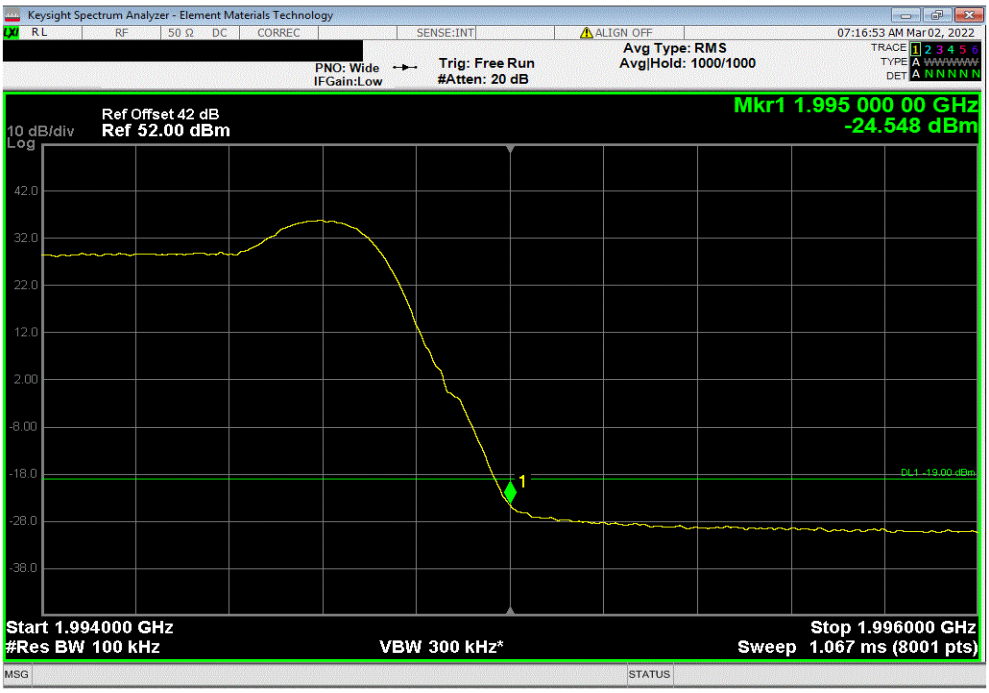
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.1	-19	Pass



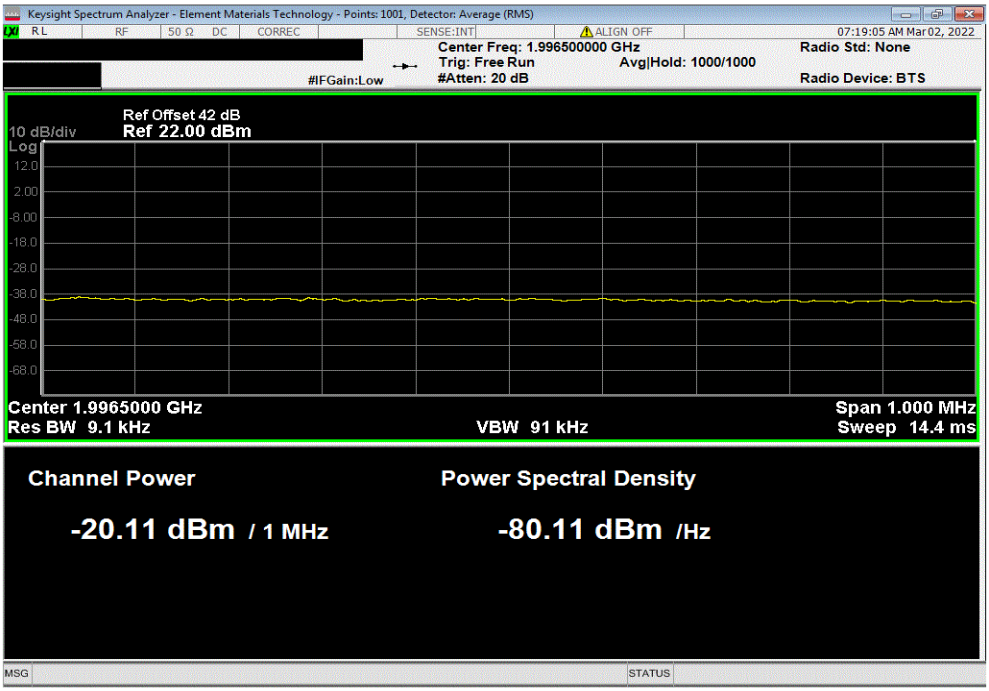
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.5	-19	Pass



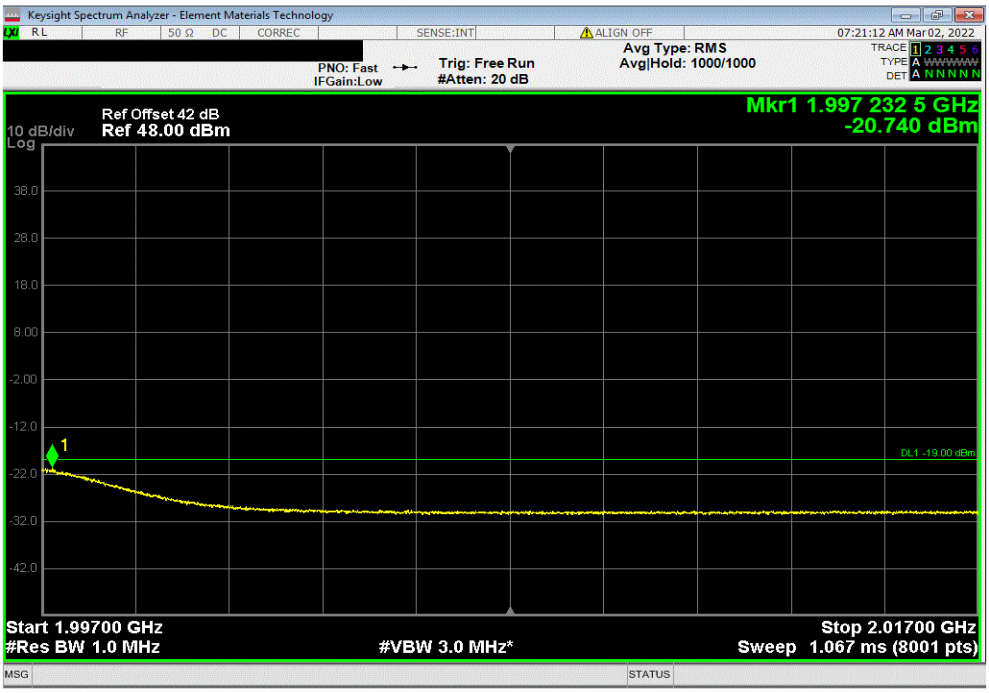
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.1	-19	Pass



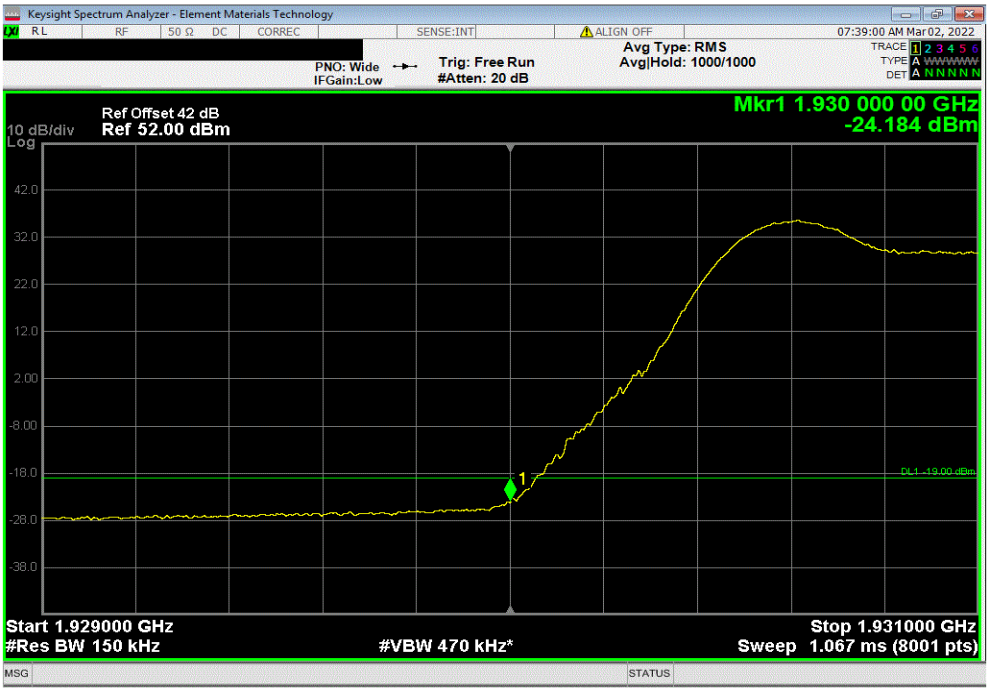
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.7	-19	Pass



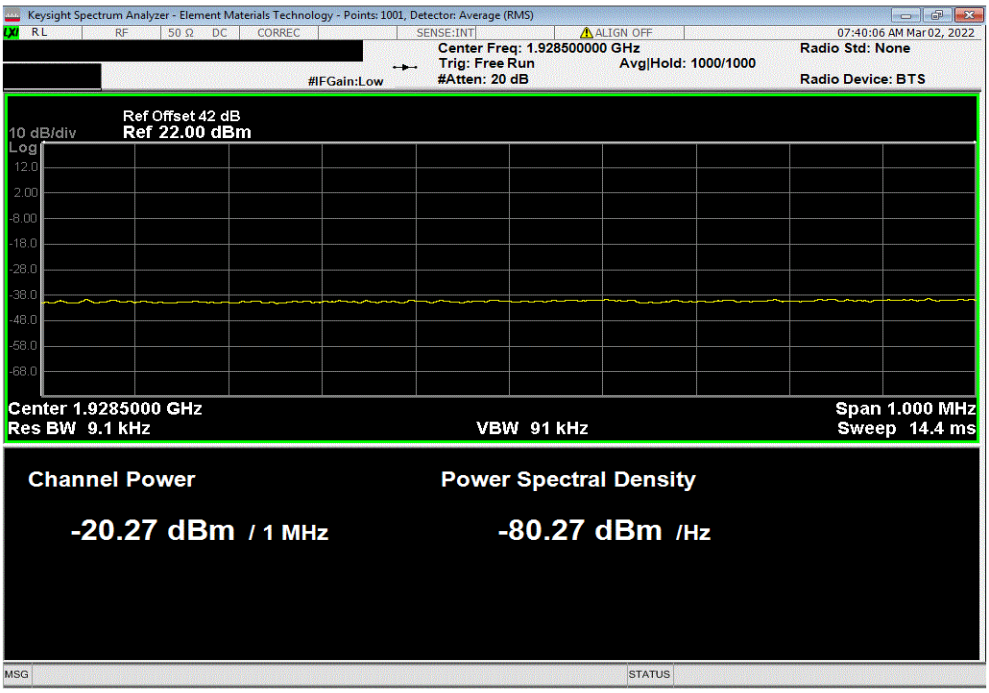
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.2	-19	Pass



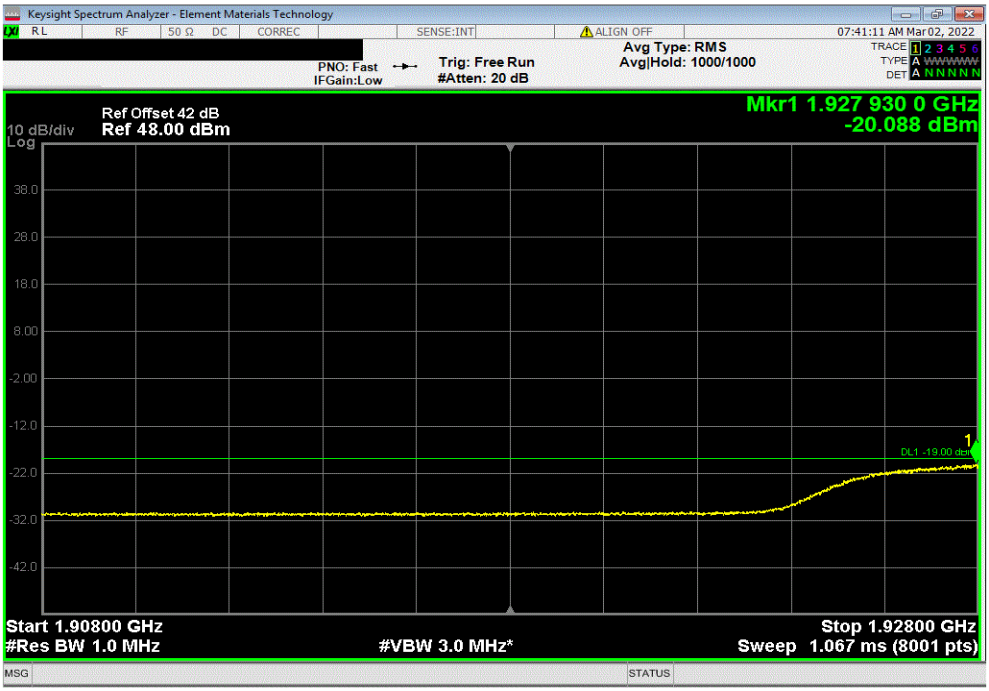
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.3	-19	Pass



BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.1	-19	Pass

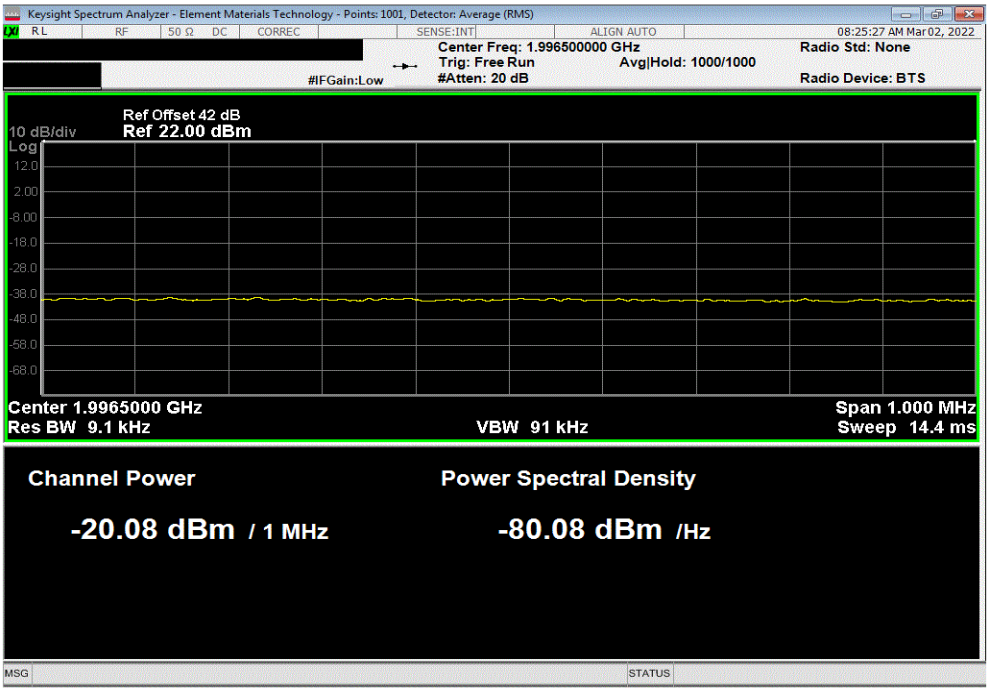


Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.4	-19	Pass

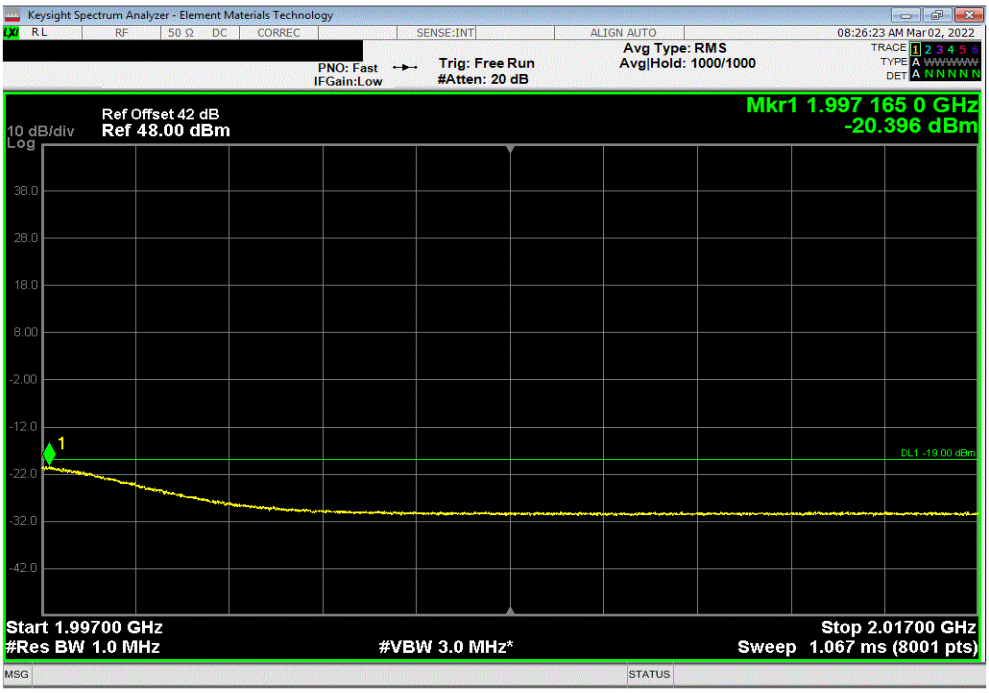
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.1	-19	Pass



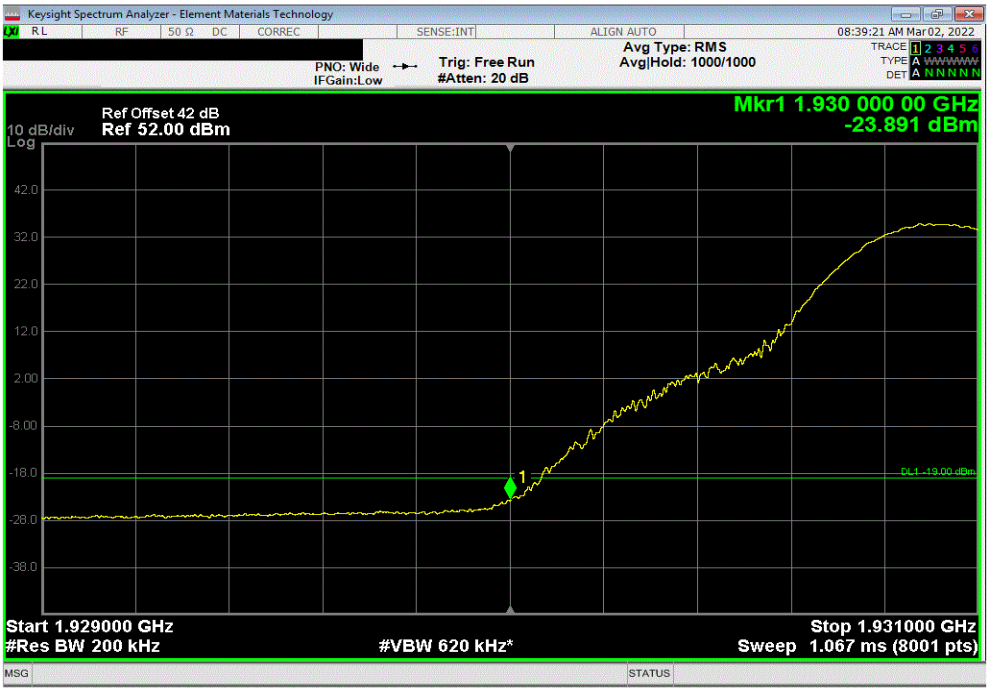
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.4	-19	Pass



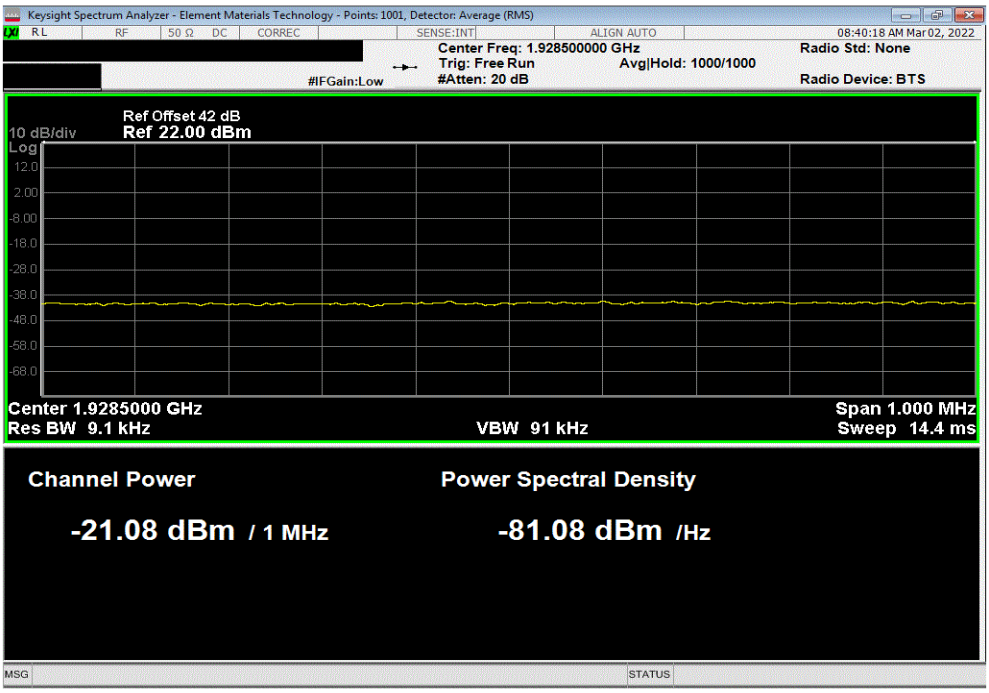
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-23.9	-19	Pass



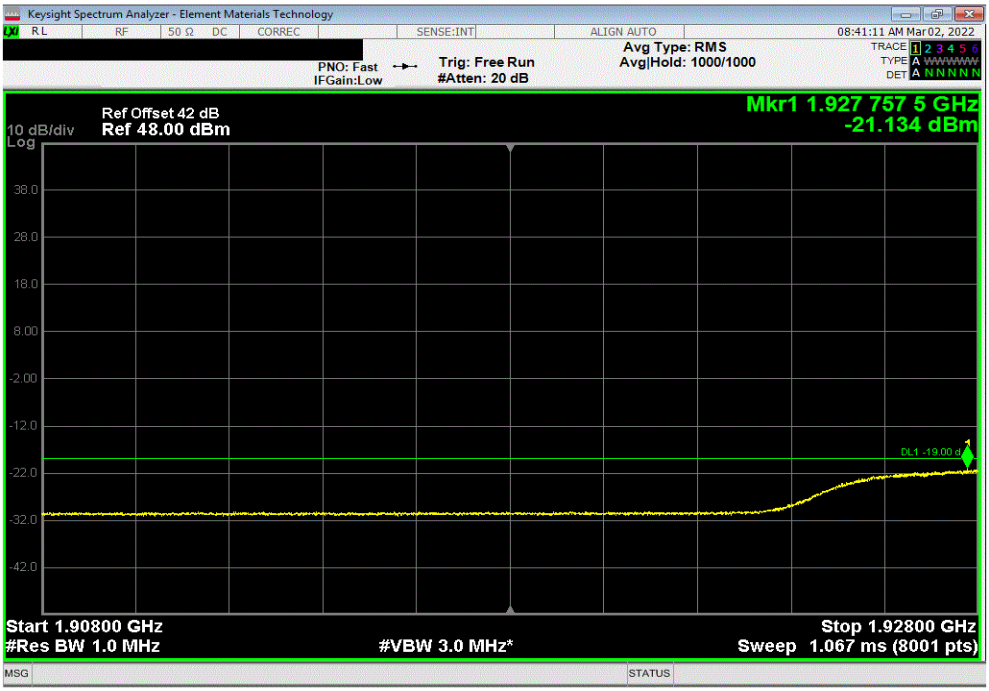
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.1	-19	Pass



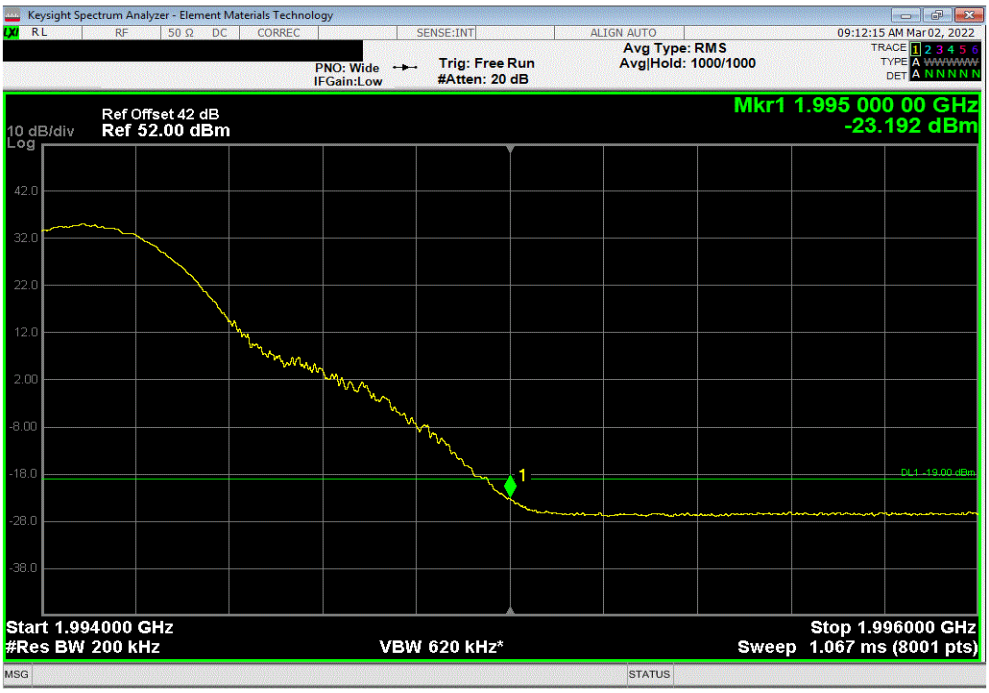
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.1	-19	Pass



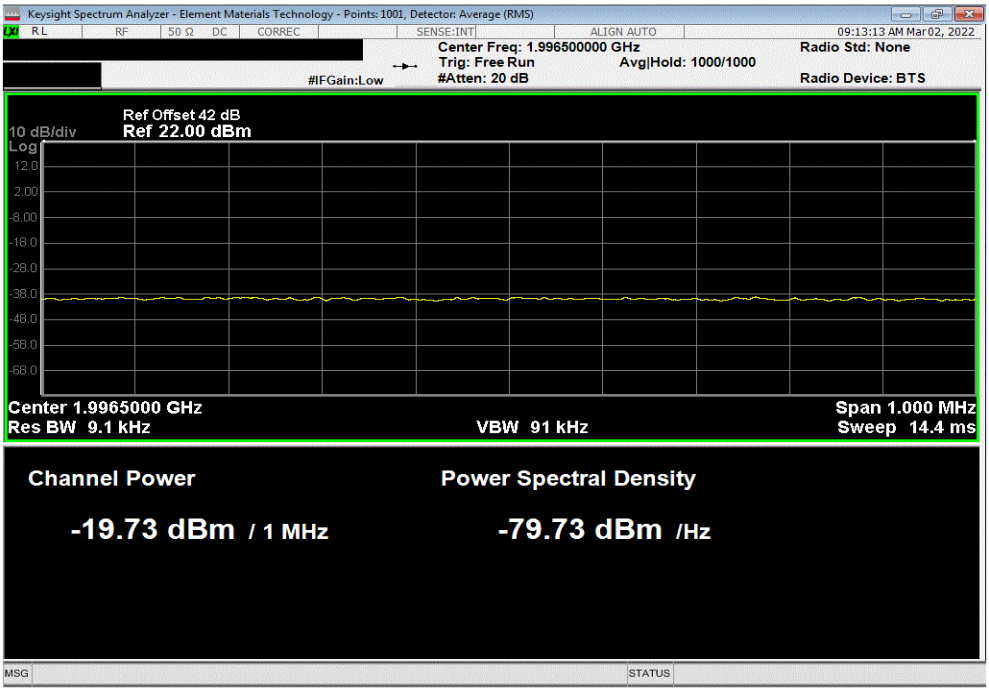
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-23.2	-19	Pass



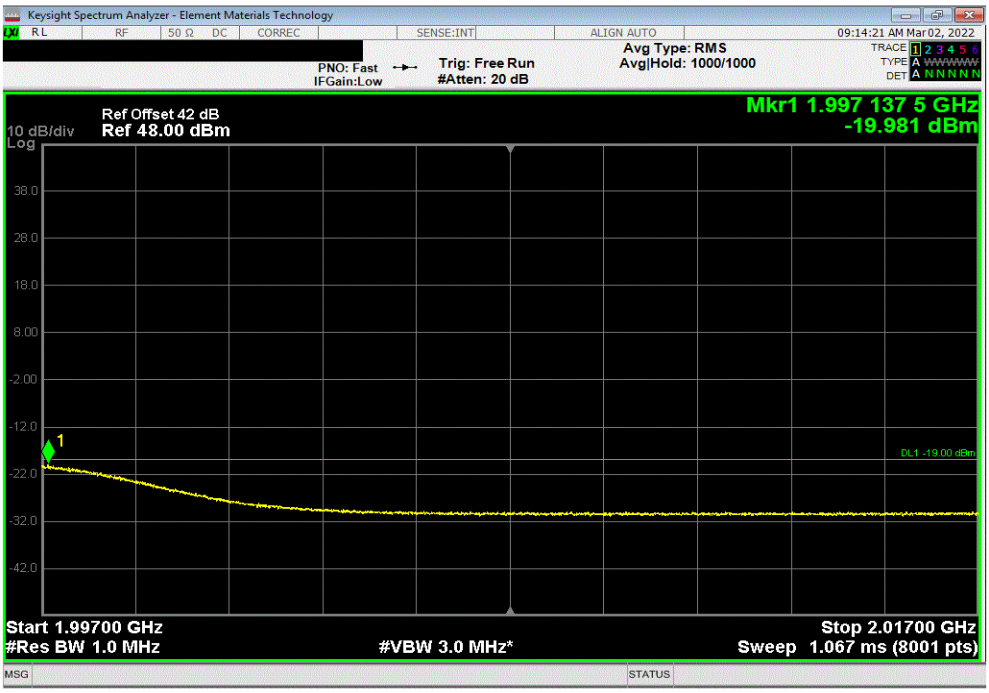
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-19.7	-19	Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.0	-19	Pass



BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

EUT:	**AHFII Remote Radio Head**	**Work Order:**	**NOKI0037**
Serial Number:	**YK214000036**	**Date:**	**28-Feb-22**
Customer:	**Nokia Solutions and Networks**	**Temperature:**	**22.6 °C**
Attendees:	**David Le, John Rattanavong**	**Humidity:**	**23.7% RH**
Project:	**None**	**Barometric Pres.:**	**1026 mbar**
Tested by:	**Mark Baytan**	**Power:** **54 VDC**	**Job Site:** **TX09**

TEST SPECIFICATIONS	**Test Method**
FCC 27:2022	ANSI C63.26:2015
RSS-139 Issue 3:2015	RSS-139 Issue 3:2015
RSS-170 Issue 3:2015	RSS-170 Issue 3:2015

COMMENTS

All measurement path loses accounted for in the reference level offest including any attenuators, filters, and DC blocks. Band 66 carriers enabled at maximum power is 80 watts/carrier. Some marker values were offset by RBW/2 from the band edge frequency as allowed by ANSI C63.26 Clause 5.7.2 for some test cases.

DEVIATIONS FROM TEST STANDARD

None

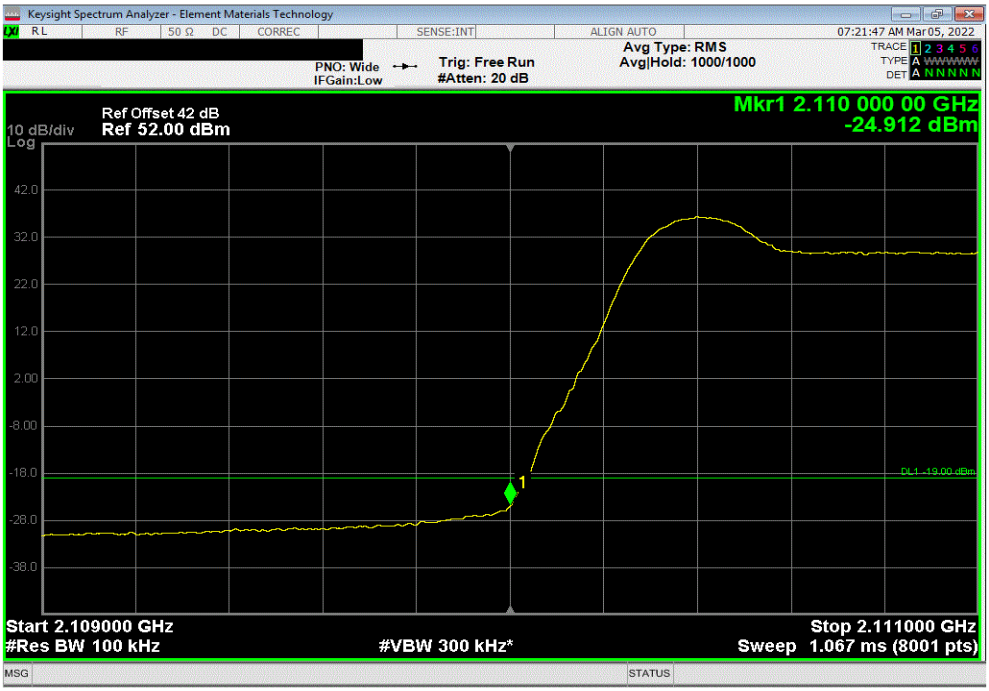
Configuration #	**2**	*Signature*

		Frequency Range	Max Value (dBm)	Limit (dBm)	Results
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band					
Port 1					
10 MHz Bandwidth					
E-TM1.1 with N-TM					
Low Channel, 2115 MHz		1	-24.9	-19	Pass
Low Channel, 2115 MHz		2	-21.2	-19	Pass
Low Channel, 2115 MHz		3	-21.4	-19	Pass
High Channel, 2195 MHz		1	-24.5	-19	Pass
High Channel, 2195 MHz		2	-21.7	-19	Pass
High Channel, 2195 MHz		3	-21.2	-19	Pass
15 MHz Bandwidth					
E-TM1.1 with N-TM					
Low Channel, 2117.5 MHz		1	-24.4	-19	Pass
Low Channel, 2117.5 MHz		2	-21.8	-19	Pass
Low Channel, 2117.5 MHz		3	-21.6	-19	Pass
High Channel, 2192.5 MH:		1	-24.5	-19	Pass
High Channel, 2192.5 MH:		2	-21.0	-19	Pass
High Channel, 2192.5 MH:		3	-20.2	-19	Pass
20 MHz Bandwidth					
E-TM1.1 with N-TM					
Low Channel, 2120 MHz		1	-25.0	-19	Pass
Low Channel, 2120 MHz		2	-22.6	-19	Pass
Low Channel, 2120 MHz		3	-22.1	-19	Pass
High Channel, 2190 MHz		1	-24.1	-19	Pass
High Channel, 2190 MHz		2	-20.4	-19	Pass
High Channel, 2190 MHz		3	-19.6	-19	Pass

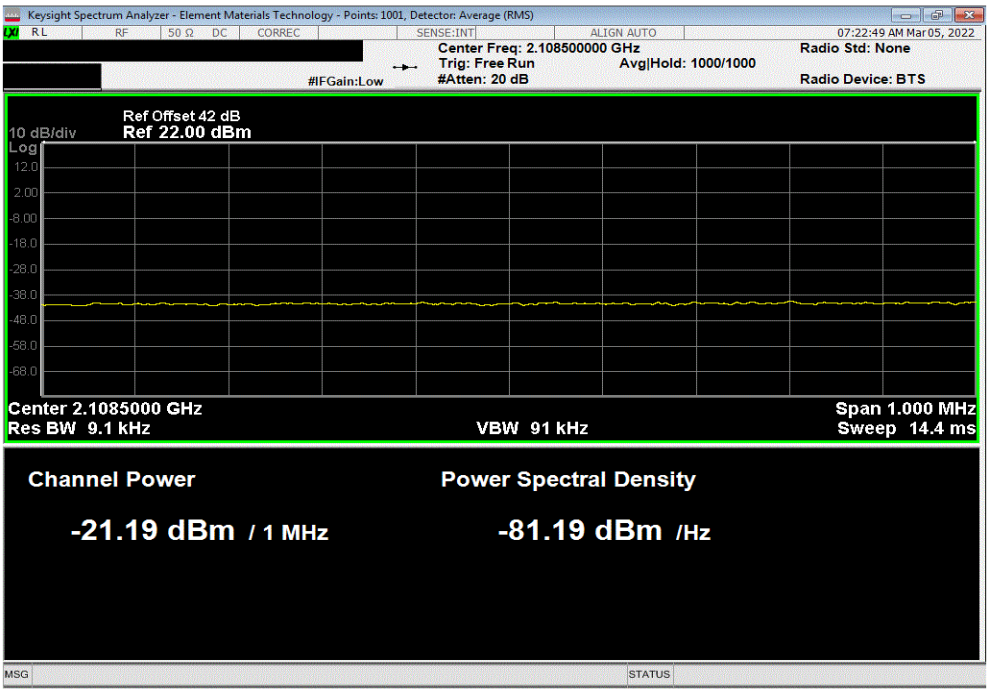
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2115 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.9	-19	Pass



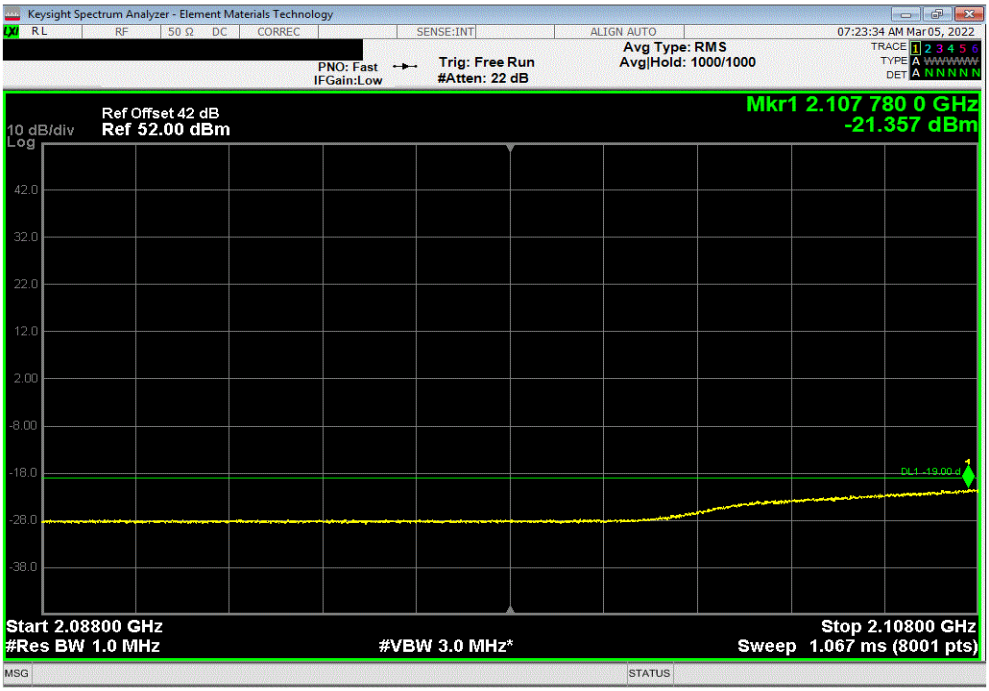
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2115 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.2	-19	Pass



BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2115 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.4	-19	Pass

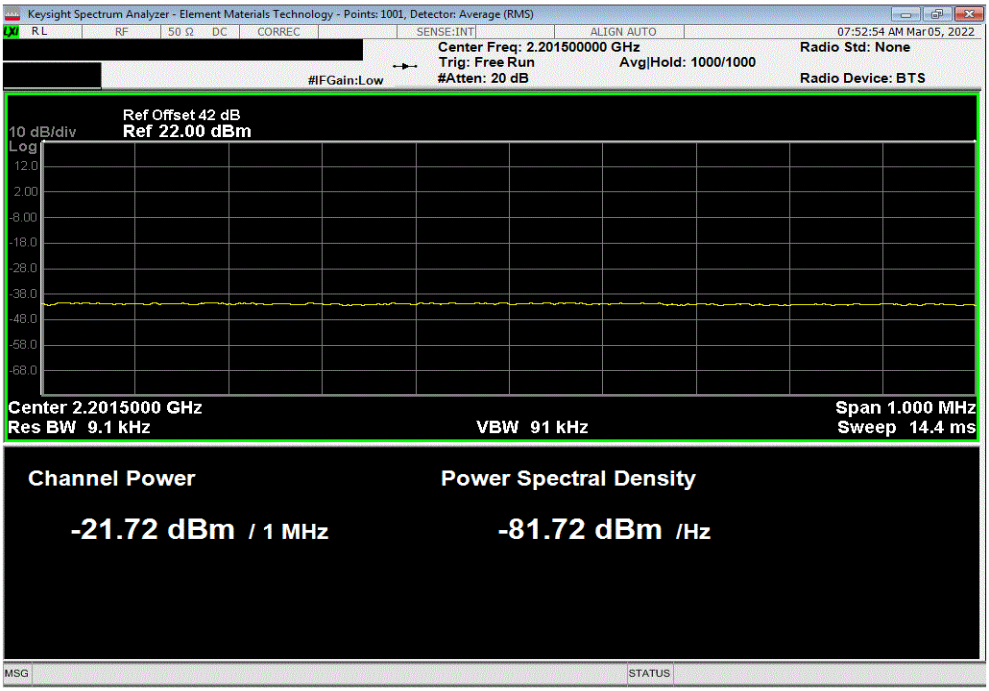


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2195 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.5	-19	Pass

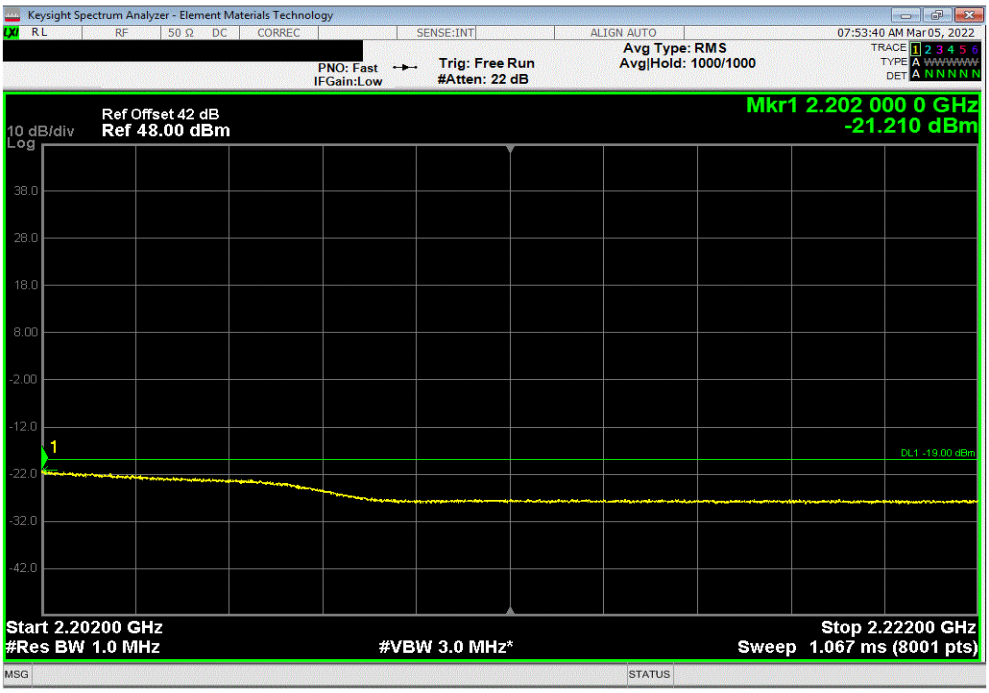
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2195 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.7	-19	Pass



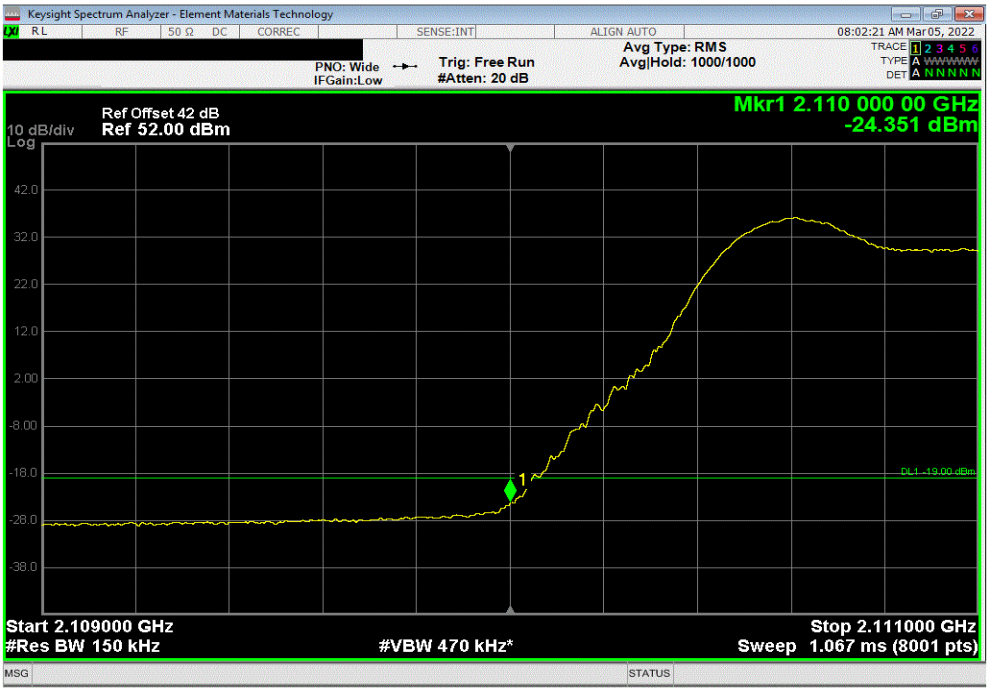
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2195 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.2	-19	Pass



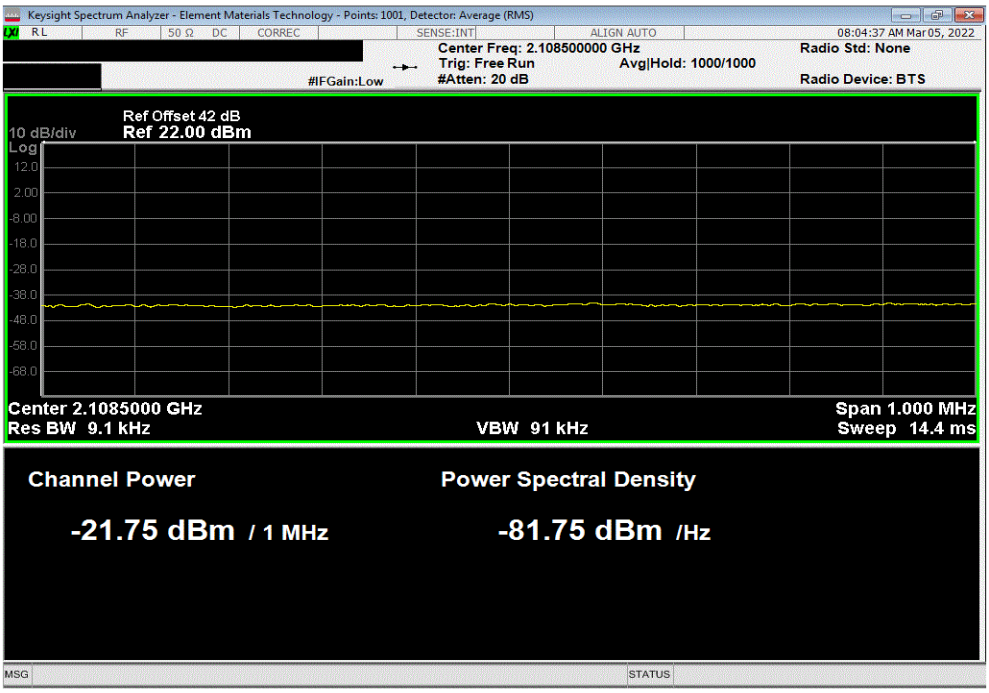
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.4	-19	Pass



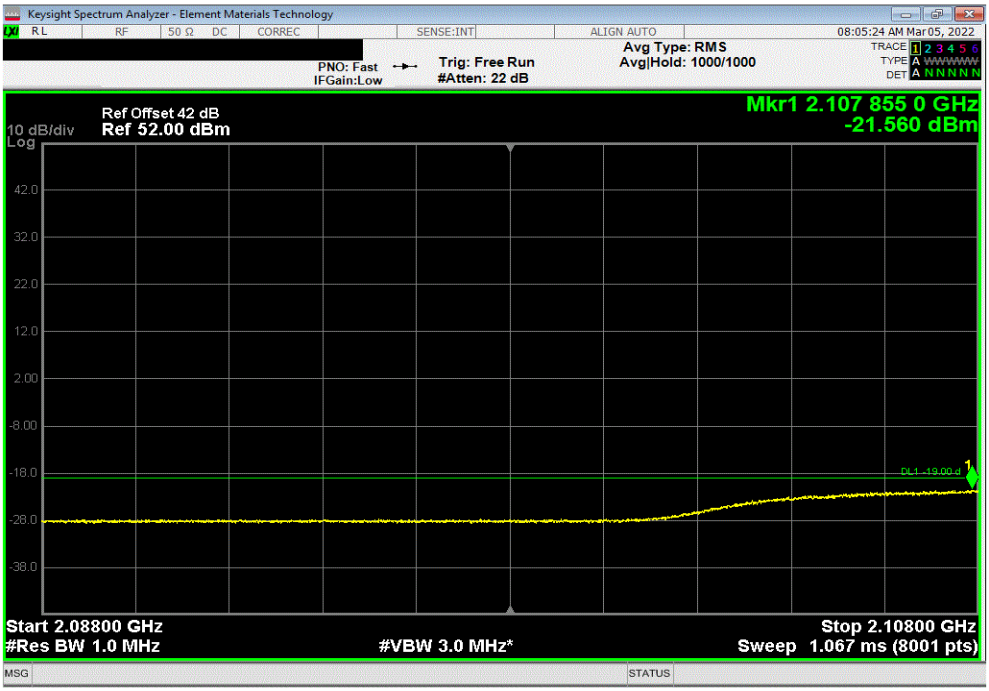
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.8	-19	Pass



BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.6	-19	Pass

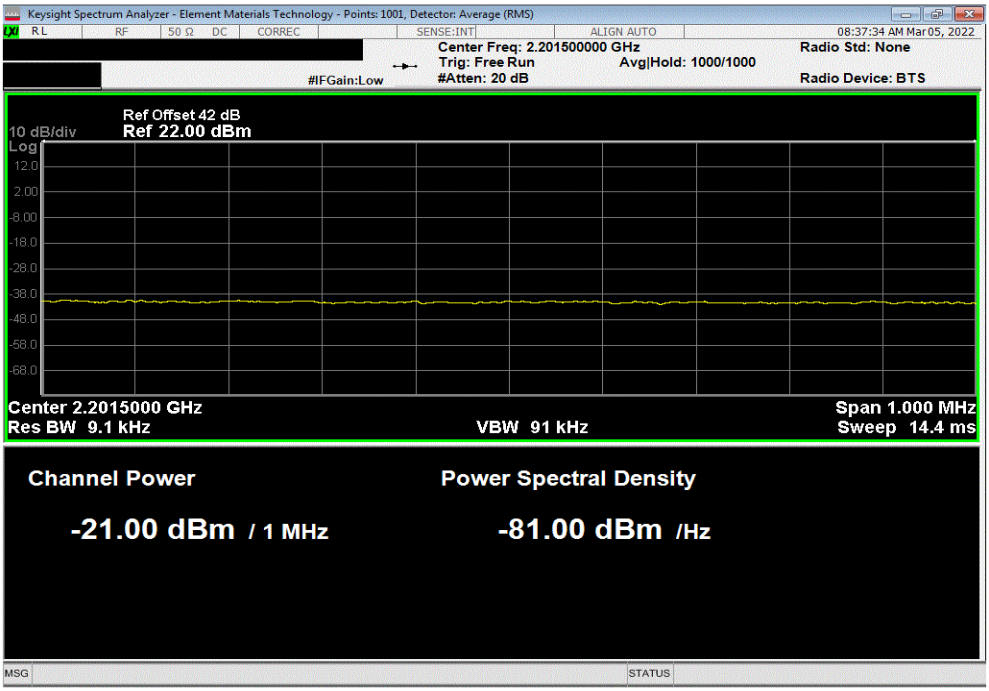


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2192.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.5	-19	Pass

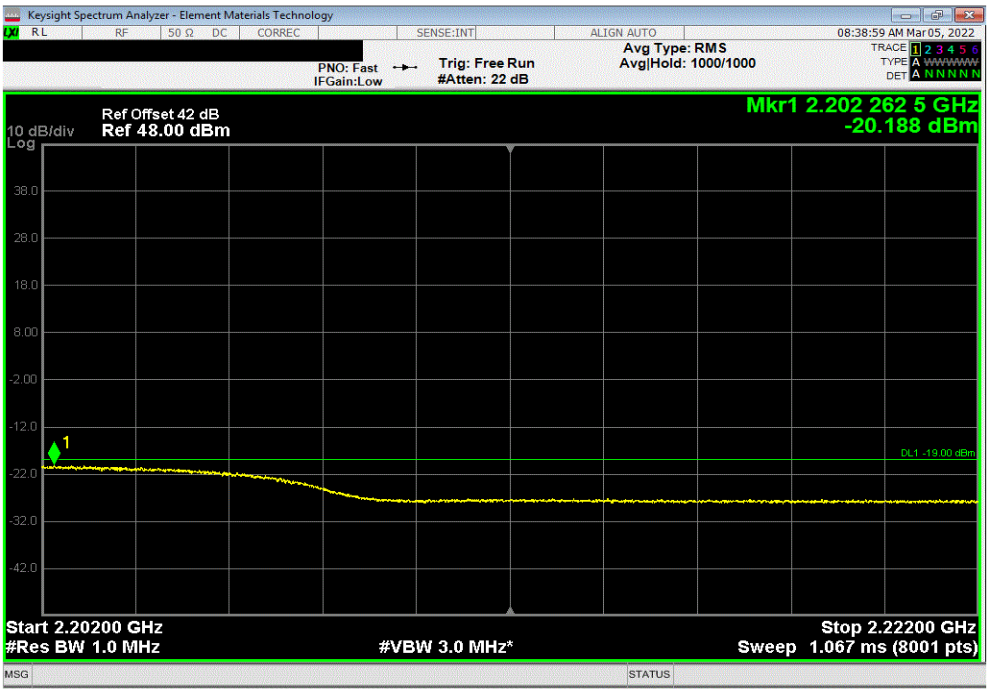
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2192.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.0	-19	Pass



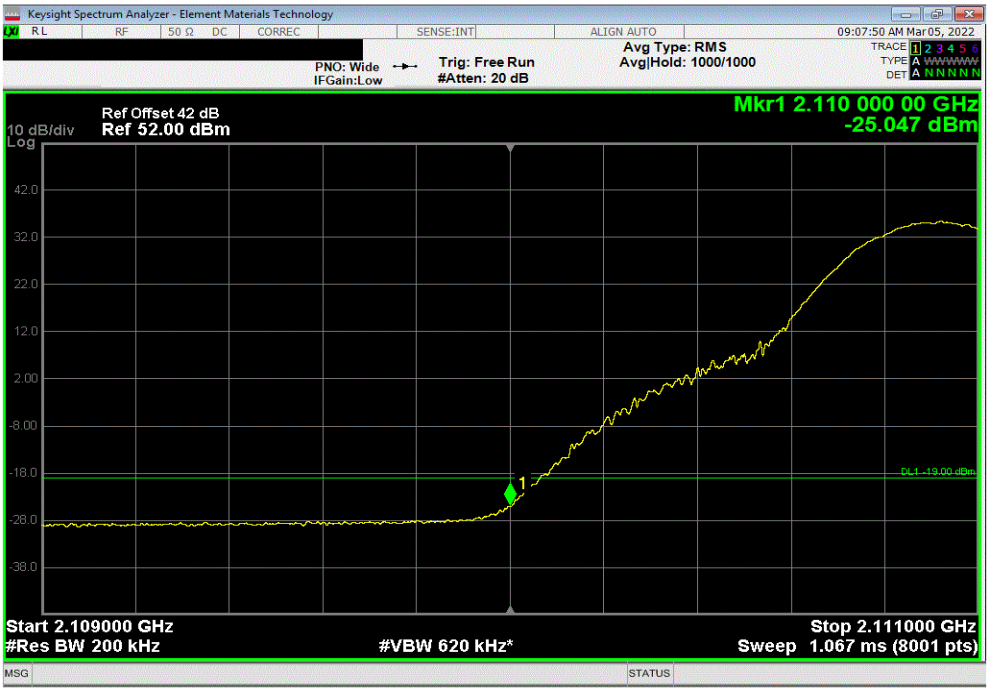
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2192.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.2	-19	Pass



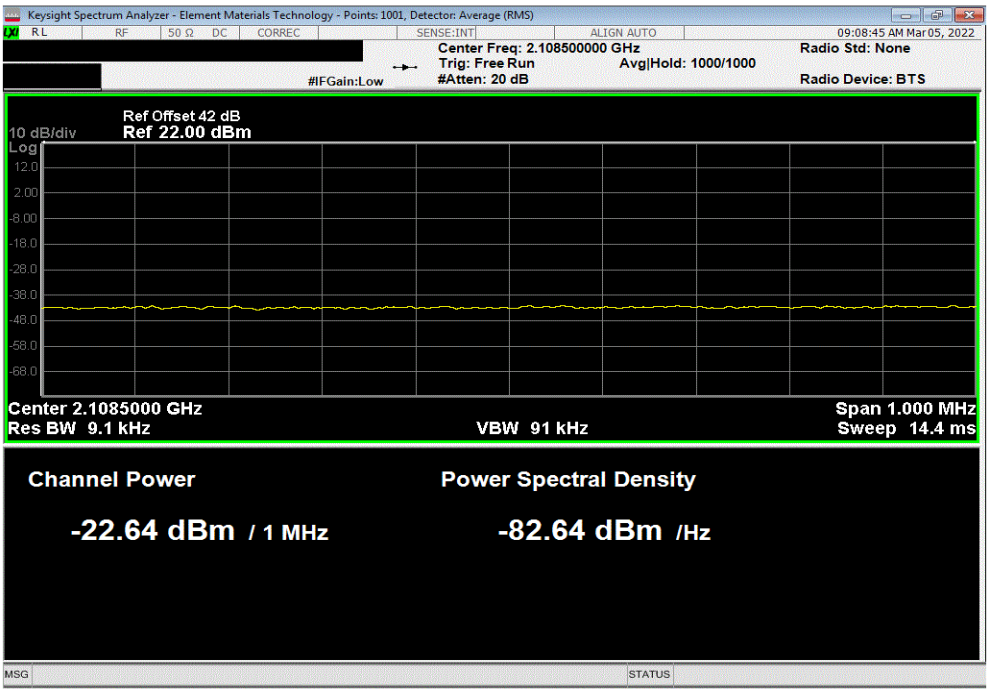
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2120 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-25.0	-19	Pass



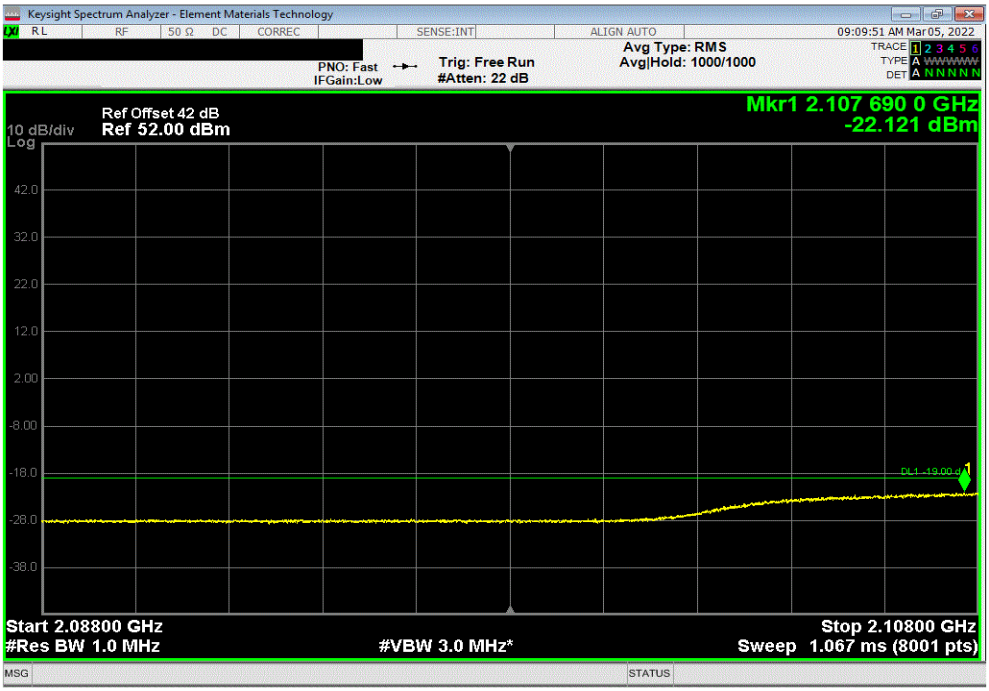
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2120 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.6	-19	Pass



BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2120 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.1	-19	Pass

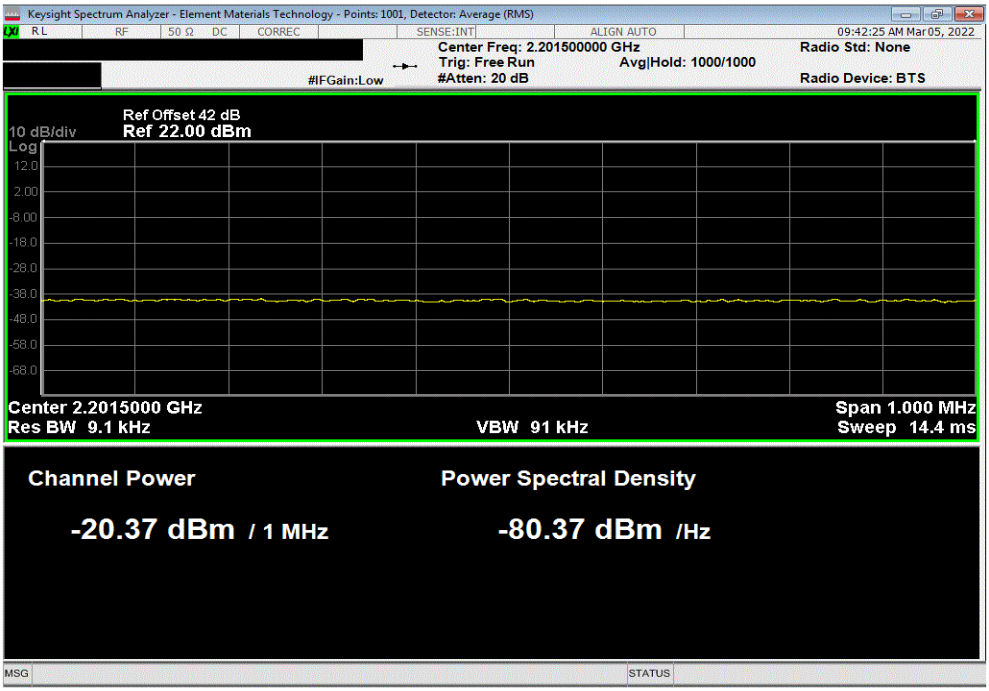


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2190 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.1	-19	Pass

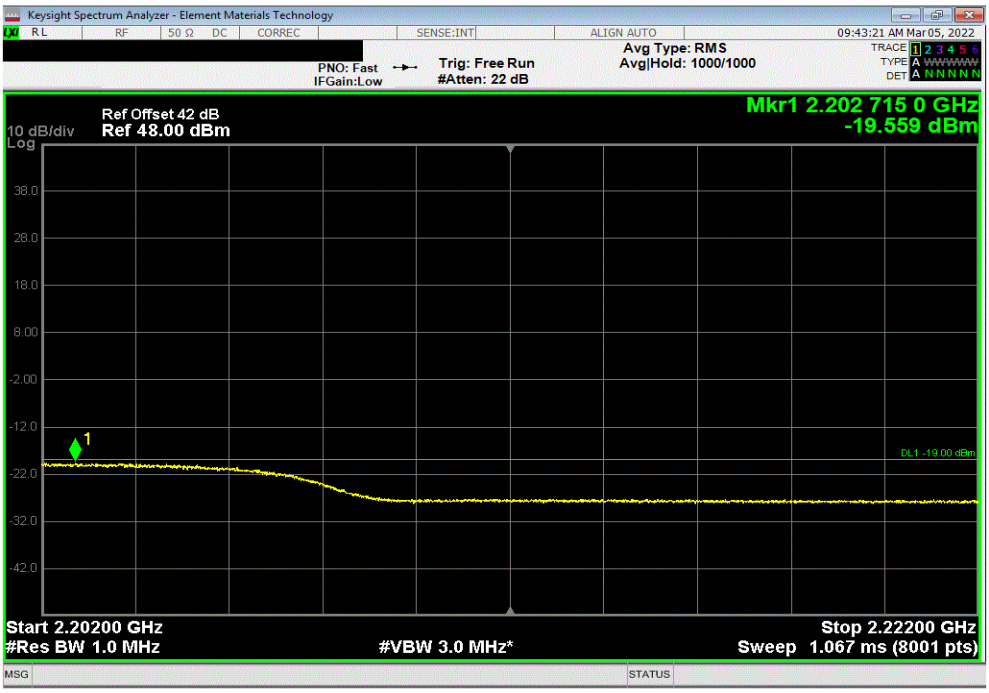
BAND EDGE COMPLIANCE - GUARD BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2190 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.4	-19	Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Guard Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2190 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-19.6	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

XMit 2022.02.07.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Block - DC	Fairview Microwave	SD3379	AMT	2021-09-14	2022-09-14
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFQ	2022-01-17	2023-01-17

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in the available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

All limits were adjusted by a factor of [-10*log(4)] dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per FCC 24.238(a) and RSS 133 6.5.1 (i). the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per FCC 24.238(b) and RSS 133 6.5.1 (i). emissions seen up to 1 MHz outside of authorized operating frequency range band edges shall be measured with a RBW of 1% of the measured emission bandwidth. Any emission seen to be > 1 MHz further outside the band edges shall be measured with a RBW of 1 MHz. However, a narrower RBW of at least 1% of the emission bandwidth is still allowed provided that the measured power is integrated over the full reference bandwidth of 1 MHz.

Per section FCC 27.53(h)(1), RSS-139 6.6 and RSS-170 5.4 & 5.4.1.2, the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm for a 1 MHz measurement bandwidth. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.
The RBW to be used for these measurements are per 27.53(h)(3), RSS-139 6.6 and RSS-170 5.4. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified).

RF conducted emissions testing was performed only on one port. All four AHFII antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.

BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

EUT:	AHFII Remote Radio Head	Work Order:	NOKI0037
Serial Number:	YK214000036	Date:	28-Feb-22
Customer:	Nokia Solutions and Networks	Temperature:	22.6 °C
Attendees:	David Le, John Rattanavong	Humidity:	23.7% RH
Project:	None	Barometric Pres.:	1026 mbar
Tested by:	Mark Baytan	Power: 54 VDC	Job Site: TX09

TEST SPECIFICATIONS	Test Method
FCC 24E:2022	ANSI C63.26:2015
RSS-133 Issue 6:2013+A1:2018	RSS-133 Issue 6:2013+A1:2018

COMMENTS

All measurement path loses accounted for in the reference level offest including any attenuators, filters, and DC blocks. Band 25 carriers enabled at maximum power is 80 watts/carrier. Some marker values were offset by RBW/2 from the band edge frequency as allowed by ANSI C63.26 Clause 5.7.2 for some test cases.

DEVIATIONS FROM TEST STANDARD

None

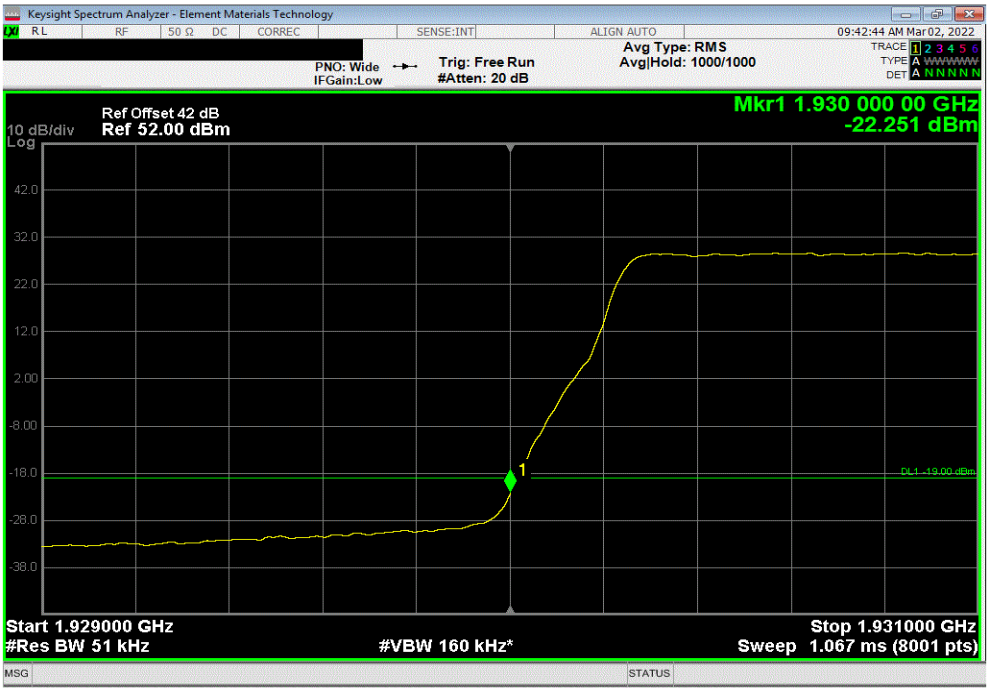
Configuration #	2	Signature

	Frequency Range	Max Value (dBm)	Limit (dBm)	Results
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band				
Port 1				
5 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1932.5 MHz	1	-22.3	-19	Pass
Low Channel, 1932.5 MHz	2	-21.3	-19	Pass
Low Channel, 1932.5 MHz	3	-21.5	-19	Pass
High Channel, 1992.5 MHz	1	-24.3	-19	Pass
High Channel, 1992.5 MHz	2	-21.2	-19	Pass
High Channel, 1992.5 MHz	3	-20.7	-19	Pass
10 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1935 MHz	1	-21.9	-19	Pass
Low Channel, 1935 MHz	2	-20.3	-19	Pass
Low Channel, 1935 MHz	3	-21.1	-19	Pass
High Channel, 1990 MHz	1	-21.8	-19	Pass
High Channel, 1990 MHz	2	-20.3	-19	Pass
High Channel, 1990 MHz	3	-20.2	-19	Pass
15 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1937.5 MHz	1	-20.8	-19	Pass
Low Channel, 1937.5 MHz	2	-21.3	-19	Pass
Low Channel, 1937.5 MHz	3	-20.6	-19	Pass
High Channel, 1987.5 MHz	1	-20.1	-19	Pass
High Channel, 1987.5 MHz	2	-20.0	-19	Pass
High Channel, 1987.5 MHz	3	-20.4	-19	Pass
20 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 1940 MHz	1	-21.7	-19	Pass
Low Channel, 1940 MHz	2	-21.1	-19	Pass
Low Channel, 1940 MHz	3	-20.7	-19	Pass
High Channel, 1985 MHz	1	-21.7	-19	Pass
High Channel, 1985 MHz	2	-19.4	-19	Pass
High Channel, 1985 MHz	3	-19.6	-19	Pass

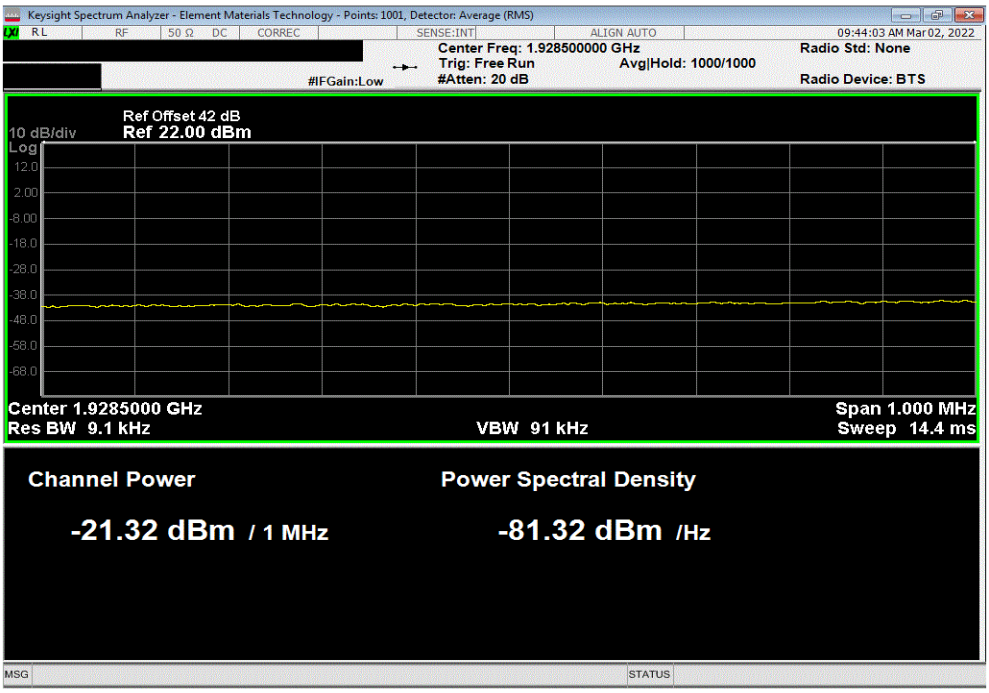
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1932.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-22.3	-19	Pass



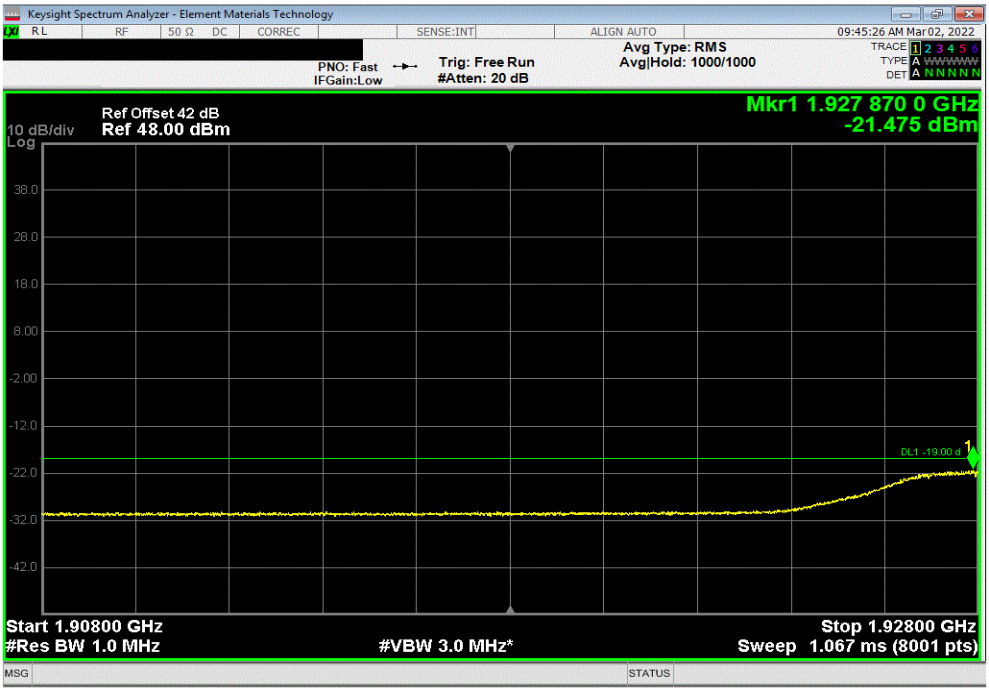
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1932.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.3	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1932.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.5	-19	Pass

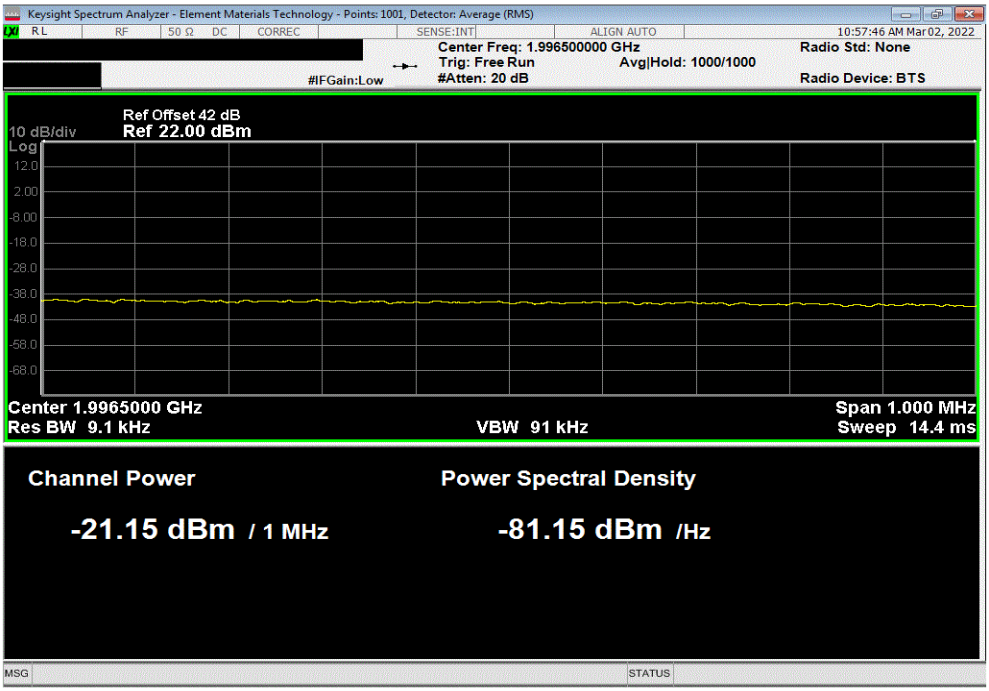


Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1992.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.3	-19	Pass

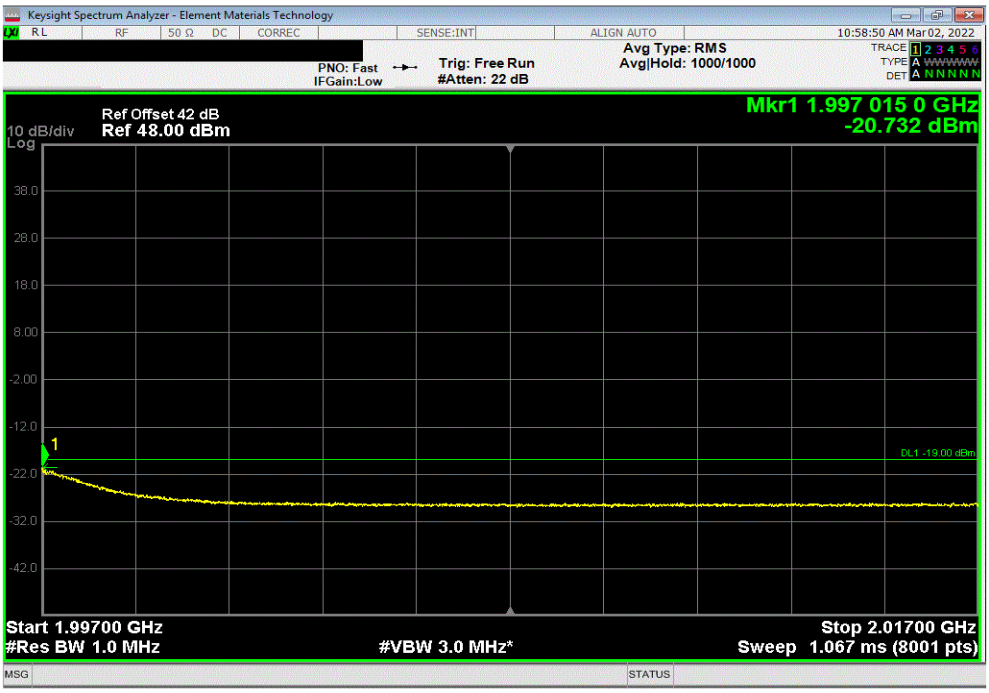
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1992.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.2	-19	Pass



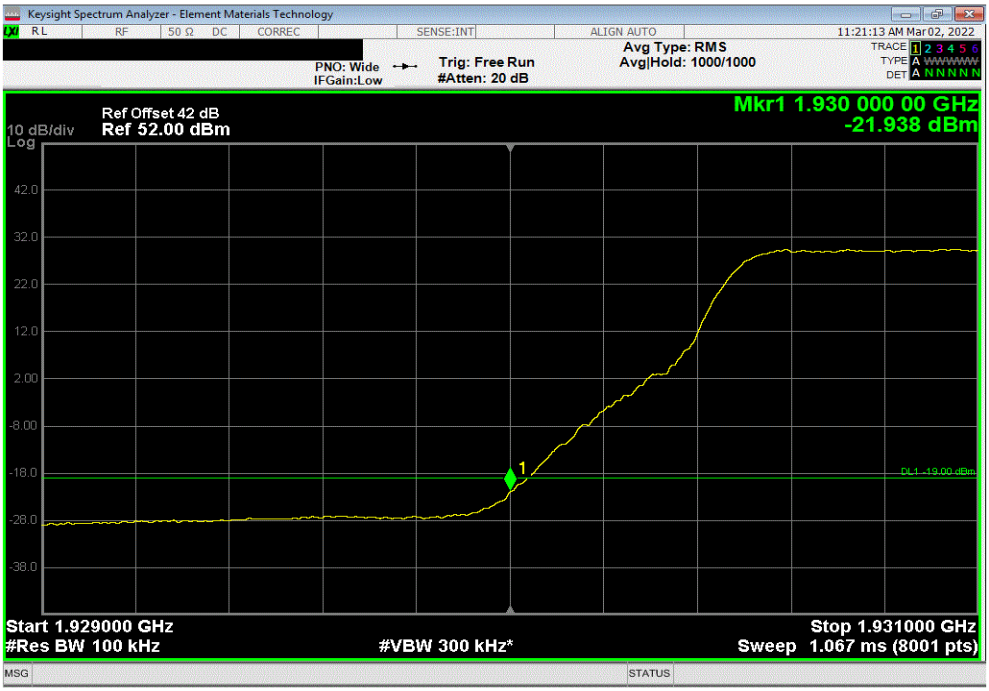
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1992.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.7	-19	Pass



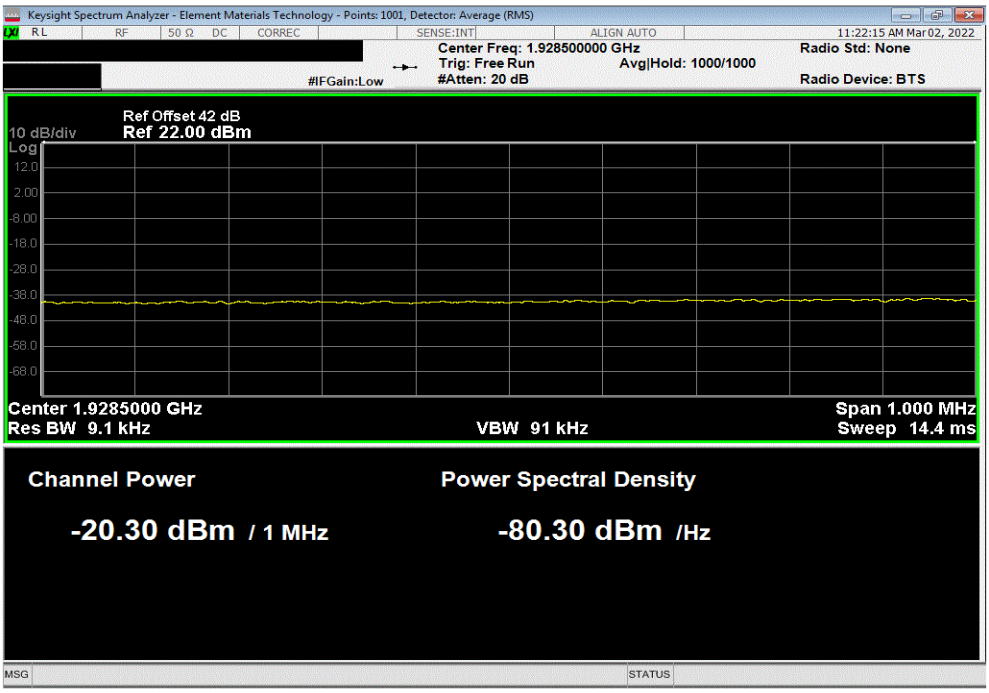
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-21.9	-19	Pass



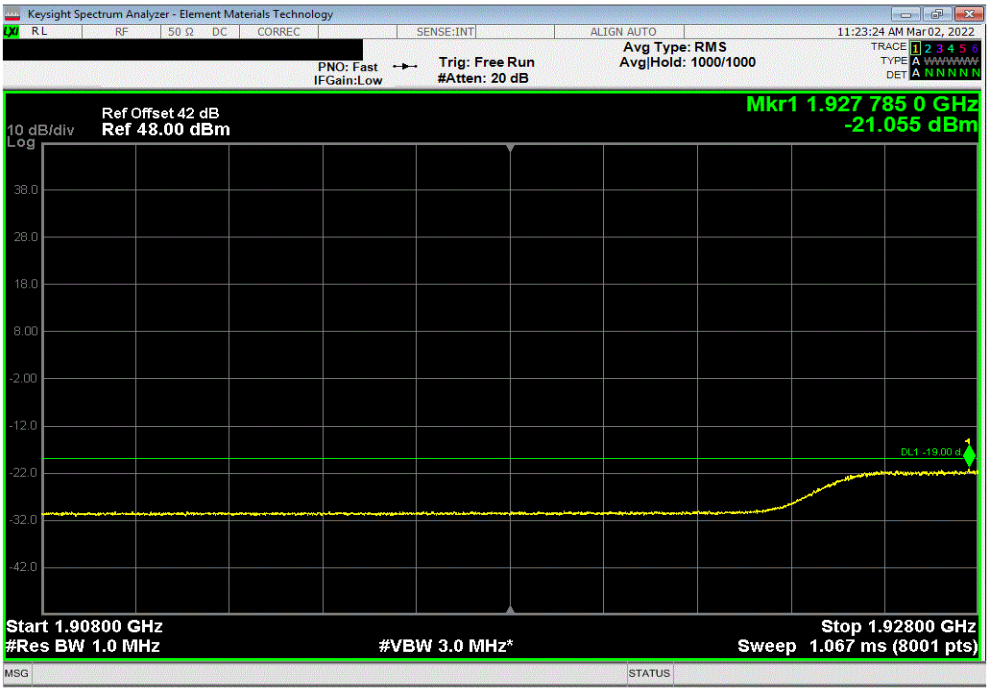
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.3	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1935 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.1	-19	Pass

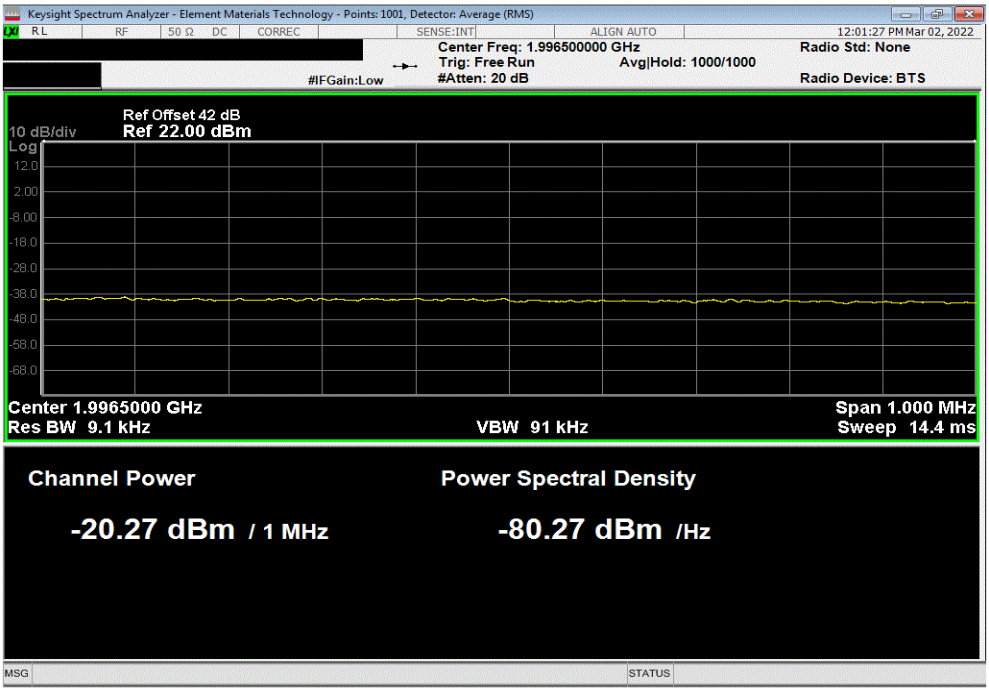


Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-21.8	-19	Pass

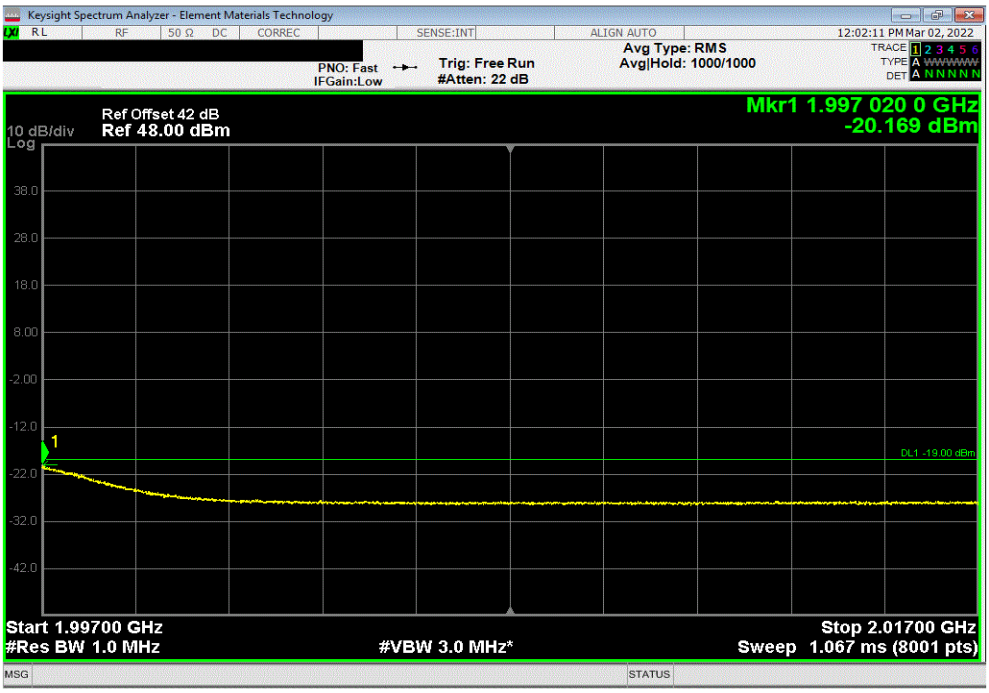
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.3	-19	Pass



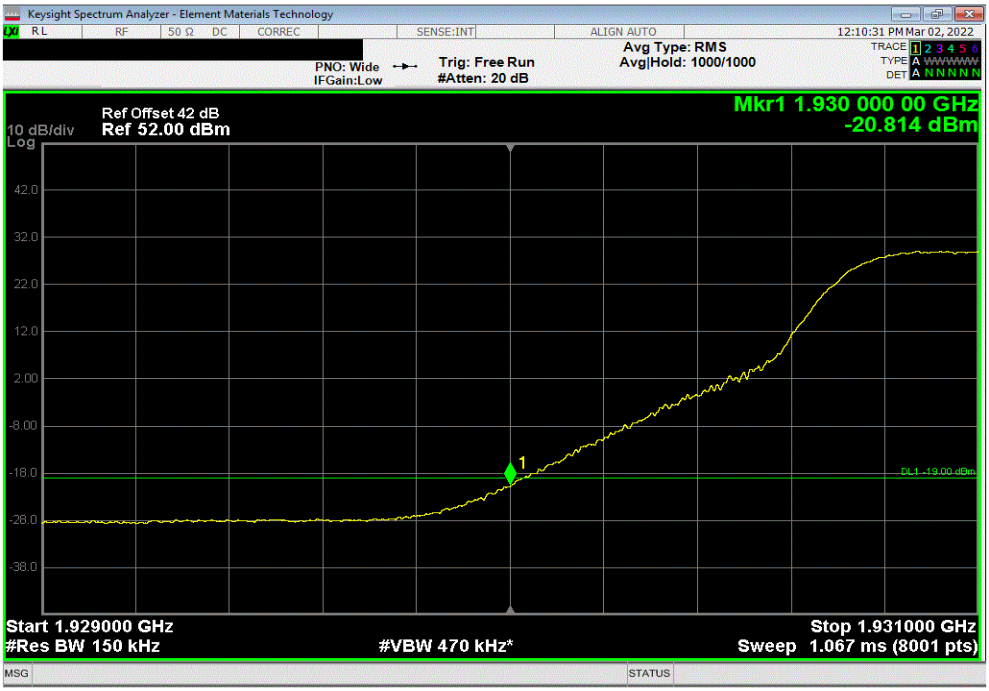
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1990 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.2	-19	Pass



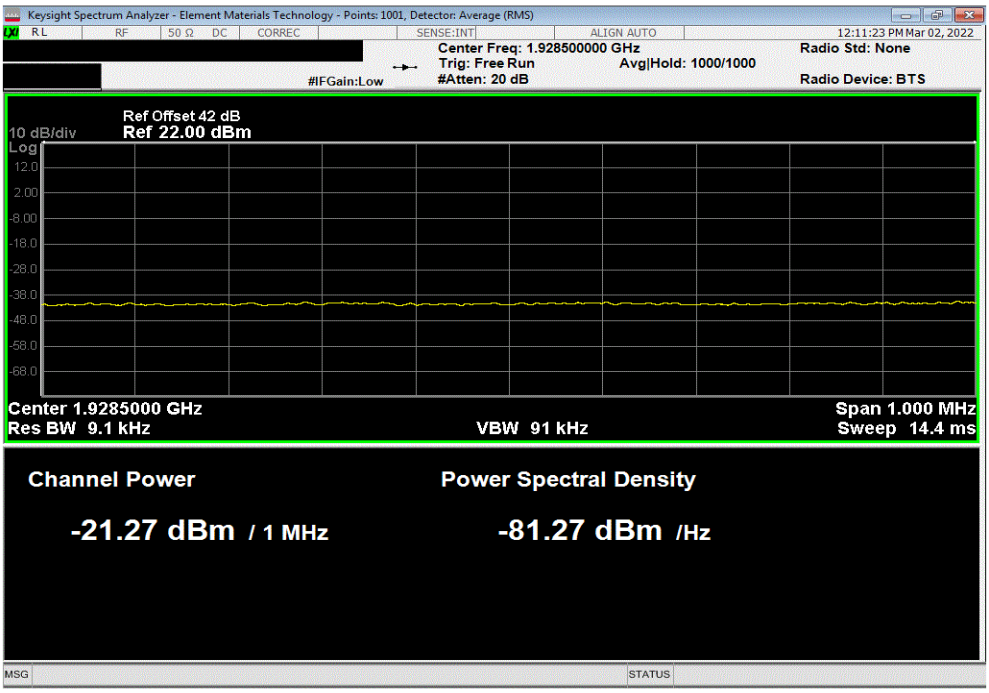
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-20.8	-19	Pass



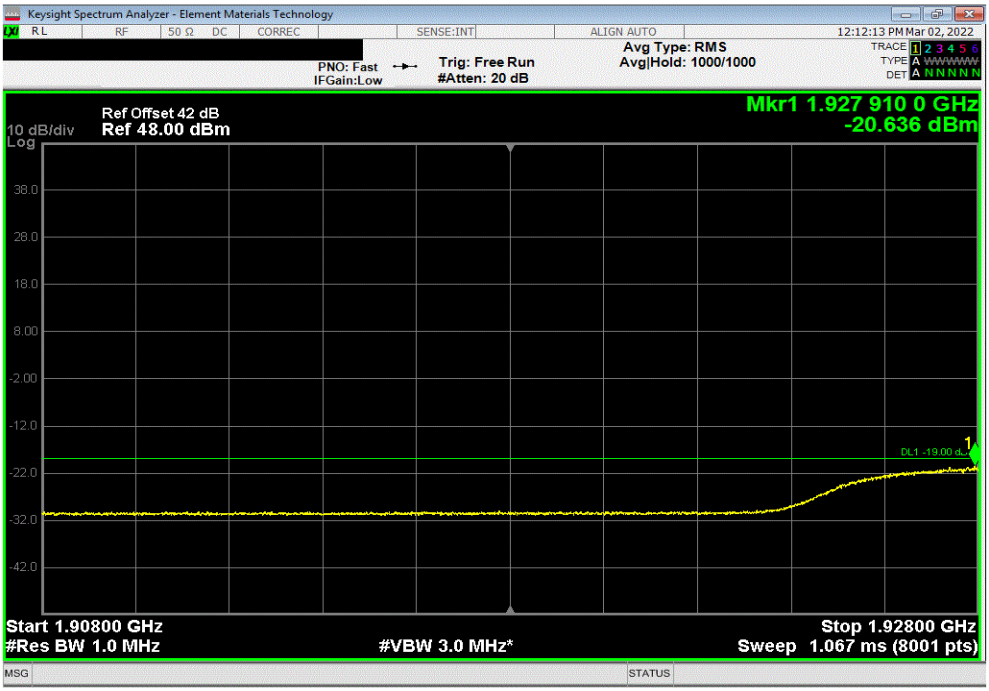
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.3	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.6	-19	Pass

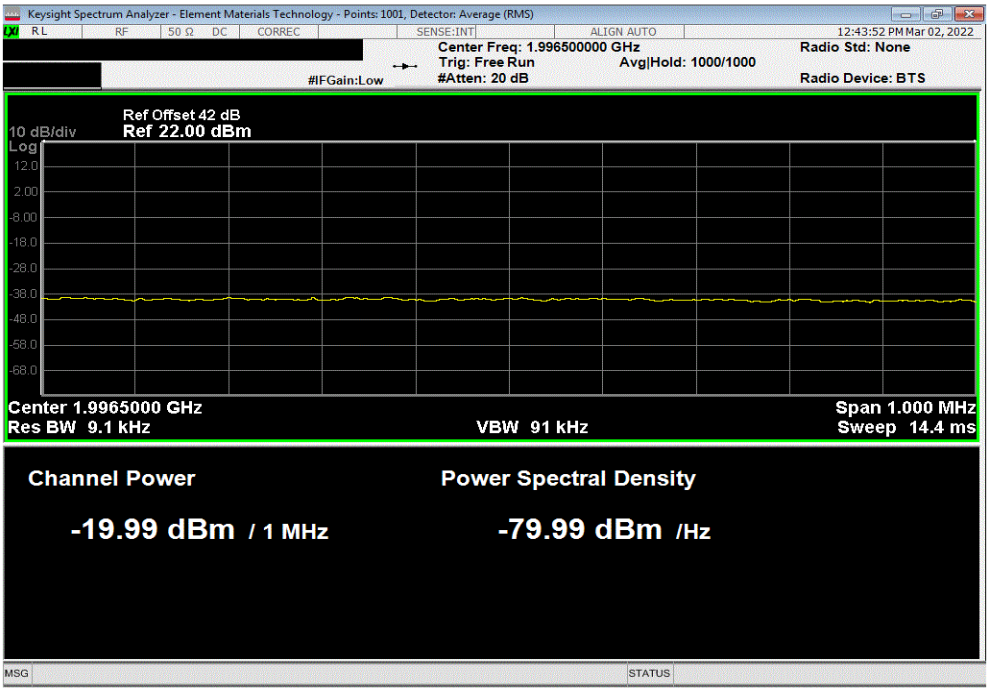


Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-20.1	-19	Pass

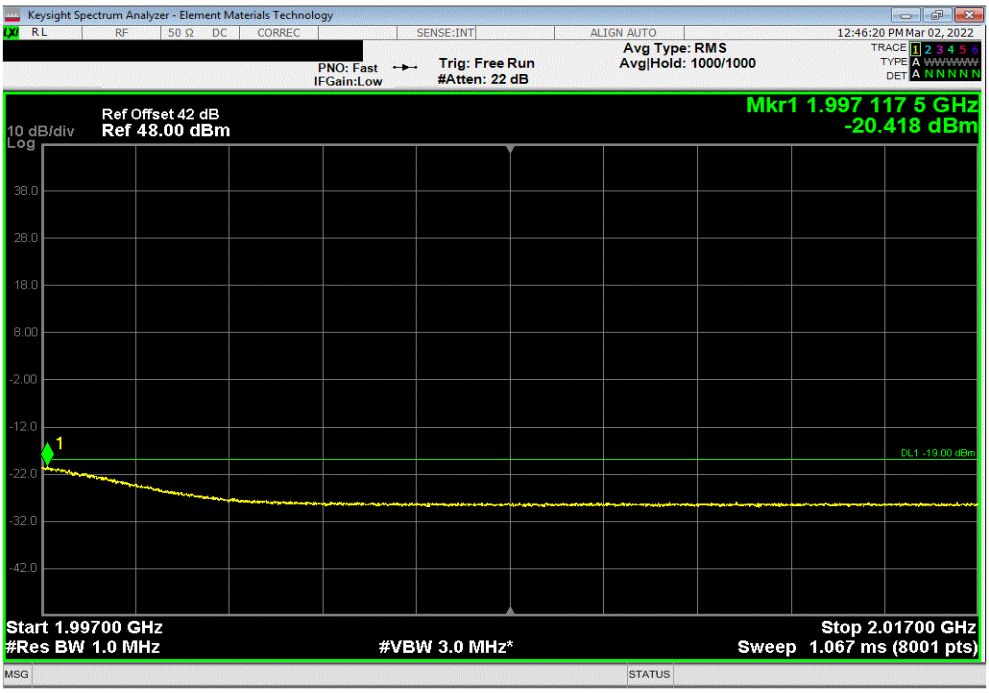
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.0	-19	Pass



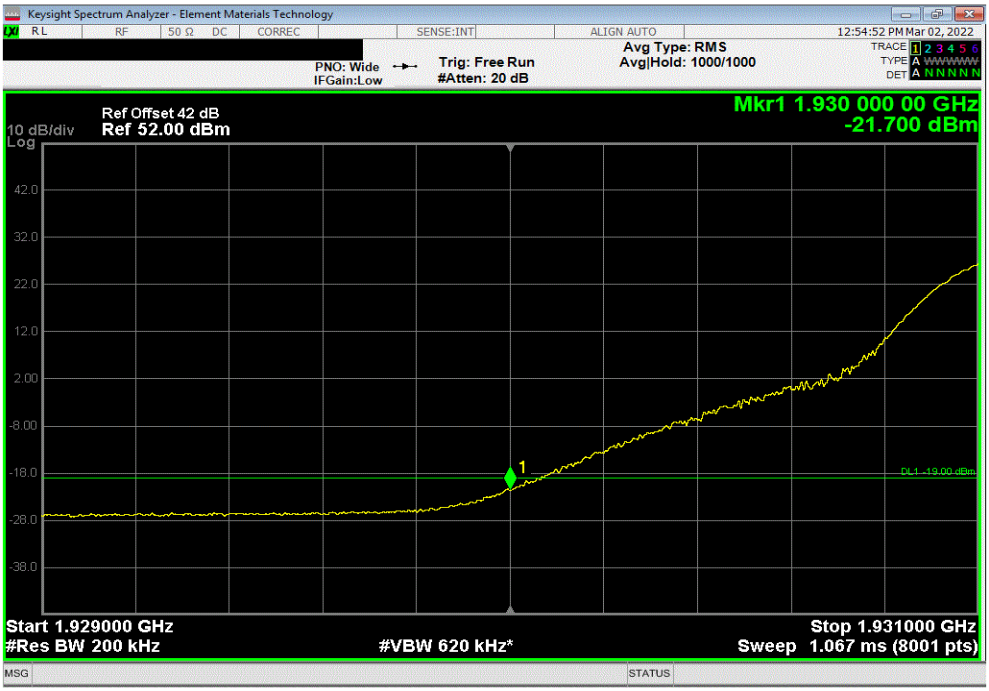
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1987.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.4	-19	Pass



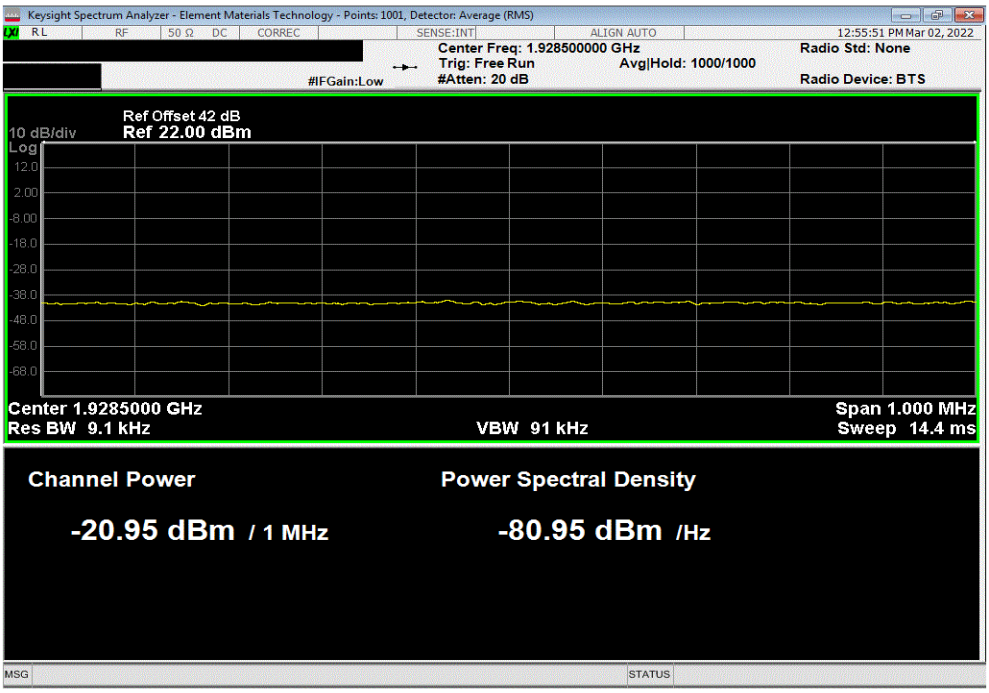
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-21.7	-19	Pass



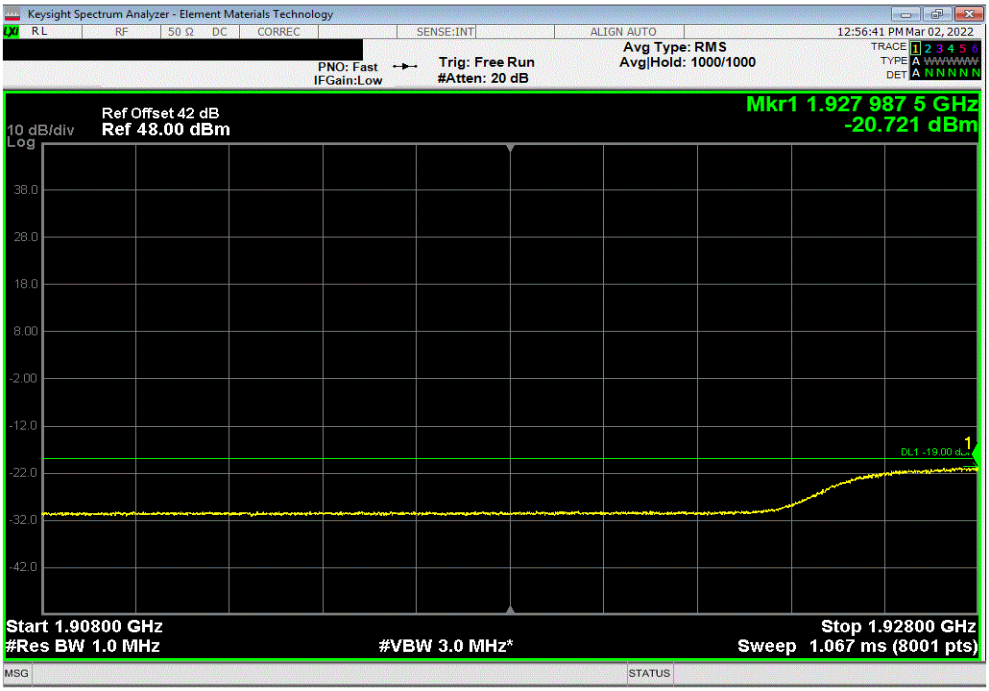
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-21.1	-19	Pass



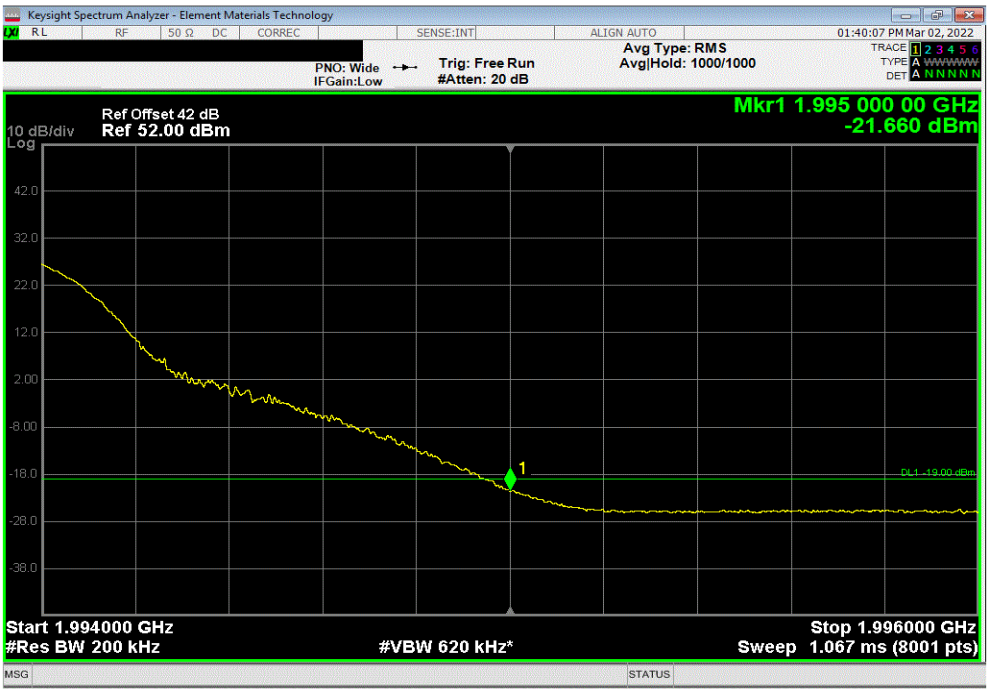
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 1940 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.7	-19	Pass



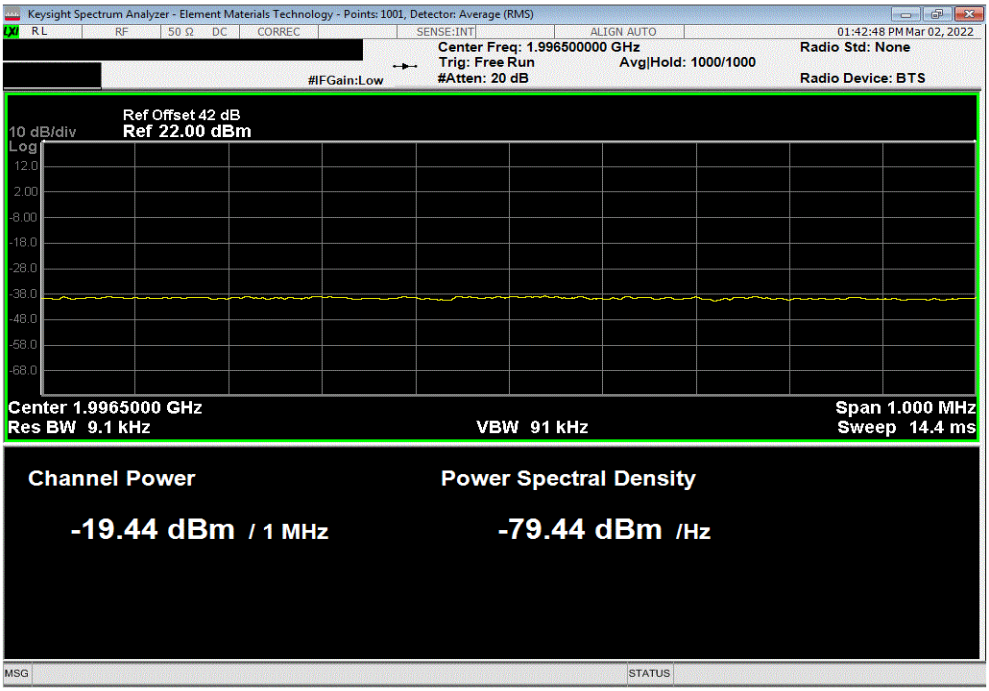
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-21.7	-19	Pass



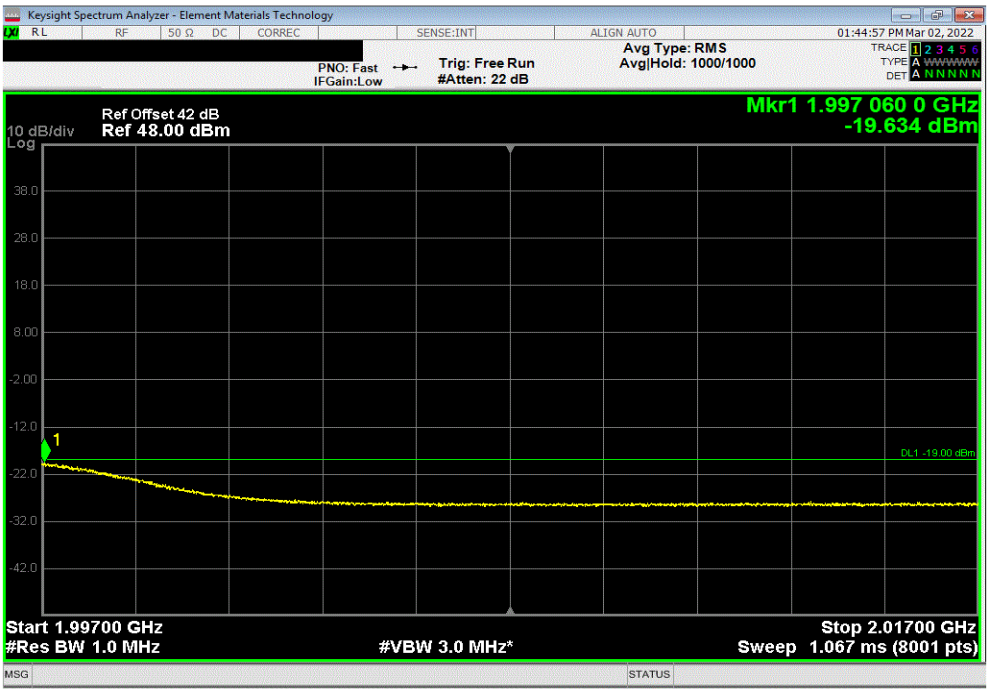
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-19.4	-19	Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 1985 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-19.6	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

EUT:	AHFII Remote Radio Head	Work Order:	NOKI0037
Serial Number:	YK214000036	Date:	28-Feb-22
Customer:	Nokia Solutions and Networks	Temperature:	22.6 °C
Attendees:	David Le, John Rattanavong	Humidity:	23.7% RH
Project:	None	Barometric Pres.:	1026 mbar
Tested by:	Mark Baytan	Power: 54 VDC	Job Site: TX09

TEST SPECIFICATIONS	Test Method
FCC 27:2022	ANSI C63.26:2015
RSS-139 Issue 3:2015	RSS-139 Issue 3:2015
RSS-170 Issue 3:2015	RSS-170 Issue 3:2015

COMMENTS

All measurement path loses accounted for in the reference level offest including any attenuators, filters, and DC blocks. Band 66 carriers enabled at maximum power is 80 watts/carrier. Some marker values were offset by RBW/2 from the band edge frequency as allowed by ANSI C63.26 Clause 5.7.2 for some test cases.

DEVIATIONS FROM TEST STANDARD

None

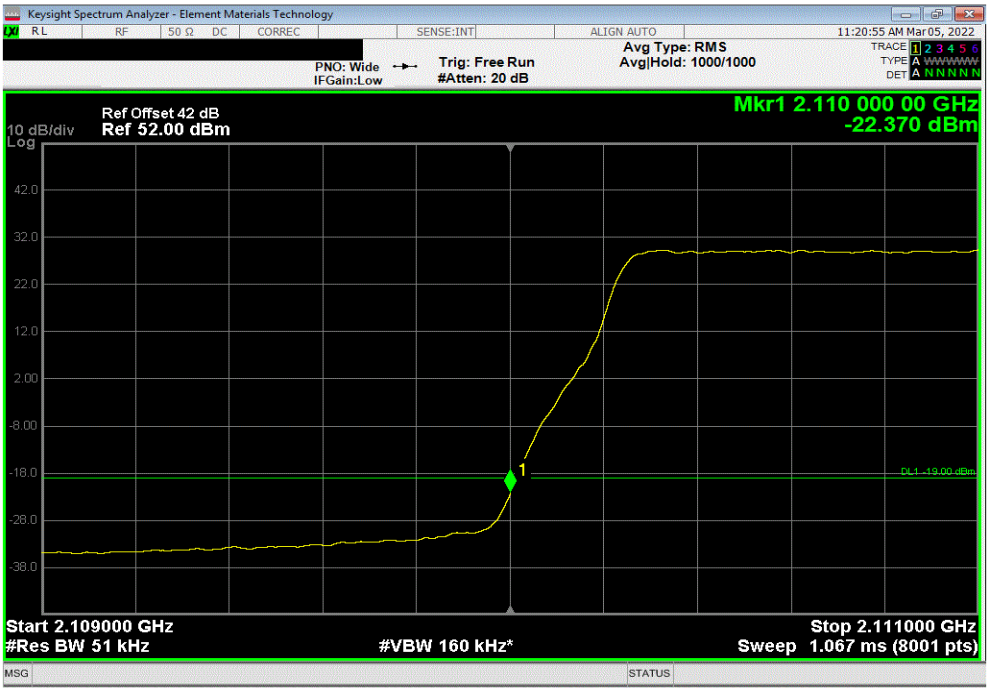
Configuration #	2	Signature

	Frequency Range	Max Value (dBm)	Limit (dBm)	Results
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band				
Port 1				
5 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 2112.5 MHz	1	-22.4	-19	Pass
Low Channel, 2112.5 MHz	2	-23.3	-19	Pass
Low Channel, 2112.5 MHz	3	-22.1	-19	Pass
High Channel, 2197.5 MH:	1	-24.1	-19	Pass
High Channel, 2197.5 MH:	2	-22.5	-19	Pass
High Channel, 2197.5 MH:	3	-21.7	-19	Pass
10 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 2115 MHz	1	-23.2	-19	Pass
Low Channel, 2115 MHz.	2	-23.2	-19	Pass
Low Channel, 2115 MHz..	3	-22.5	-19	Pass
High Channel, 2195 MHz	1	-22.4	-19	Pass
High Channel, 2195 MHz.	2	-22.6	-19	Pass
High Channel, 2195 MHz..	3	-22.1	-19	Pass
15 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 2117.5 MHz	1	-20.6	-19	Pass
Low Channel, 2117.5 MHz	2	-22.8	-19	Pass
Low Channel, 2117.5 MHz	3	-22.3	-19	Pass
High Channel, 2192.5 MH:	1	-20.0	-19	Pass
High Channel, 2192.5 MH:	2	-22.2	-19	Pass
High Channel, 2192.5 MH:	3	-20.9	-19	Pass
20 MHz Bandwdith				
E-TM1.1 with N-TM				
Low Channel, 2120 MHz	1	-22.9	-19	Pass
Low Channel, 2120 MHz.	2	-22.8	-19	Pass
Low Channel, 2120 MHz..	3	-22.3	-19	Pass
High Channel, 2190 MHz	1	-21.6	-19	Pass
High Channel, 2190 MHz.	2	-20.5	-19	Pass
High Channel, 2190 MHz..	3	-19.8	-19	Pass

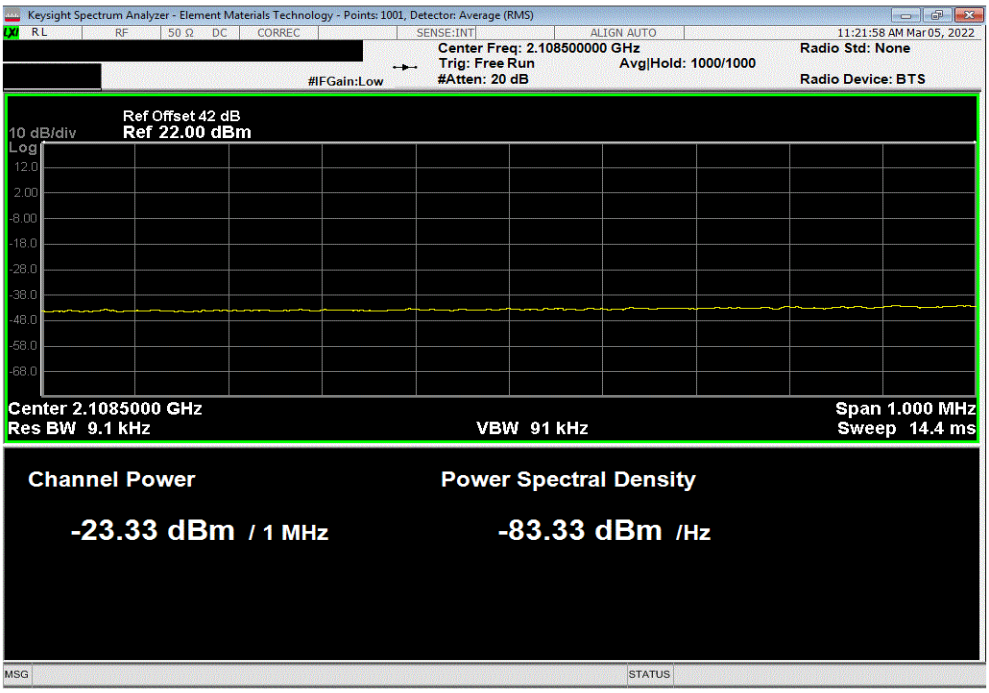
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2112.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-22.4	-19	Pass



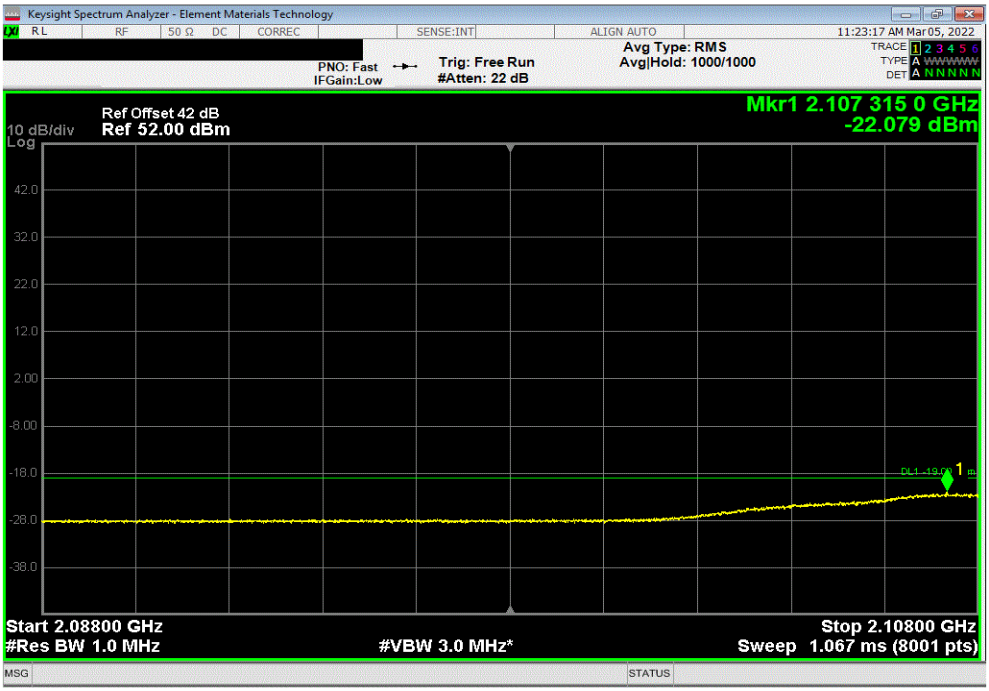
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2112.5 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-23.3	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2112.5 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.1	-19	Pass

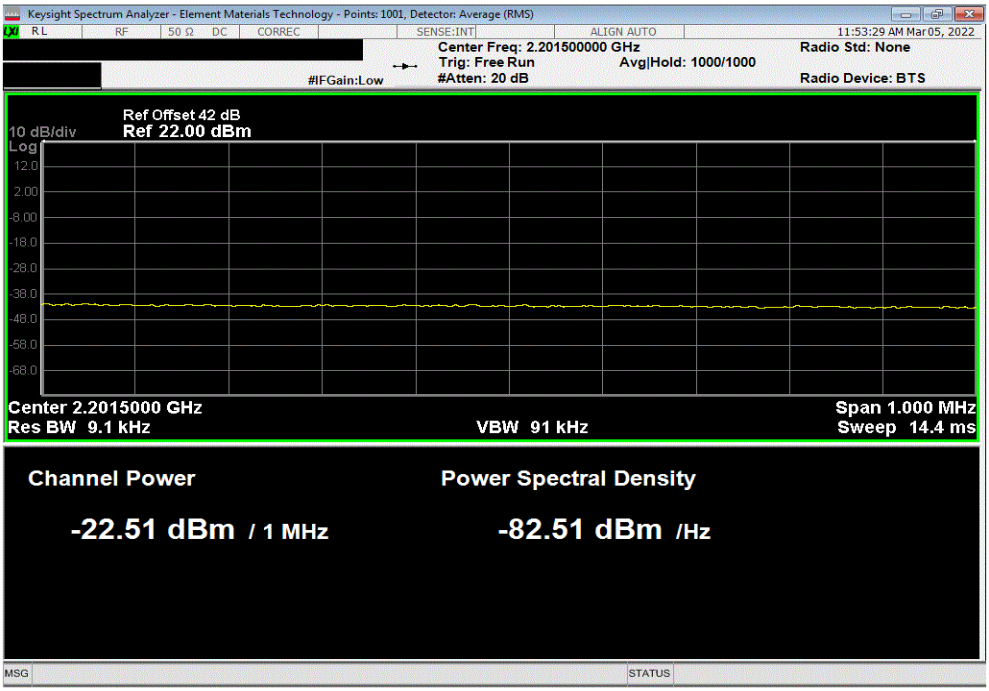


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2197.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-24.1	-19	Pass

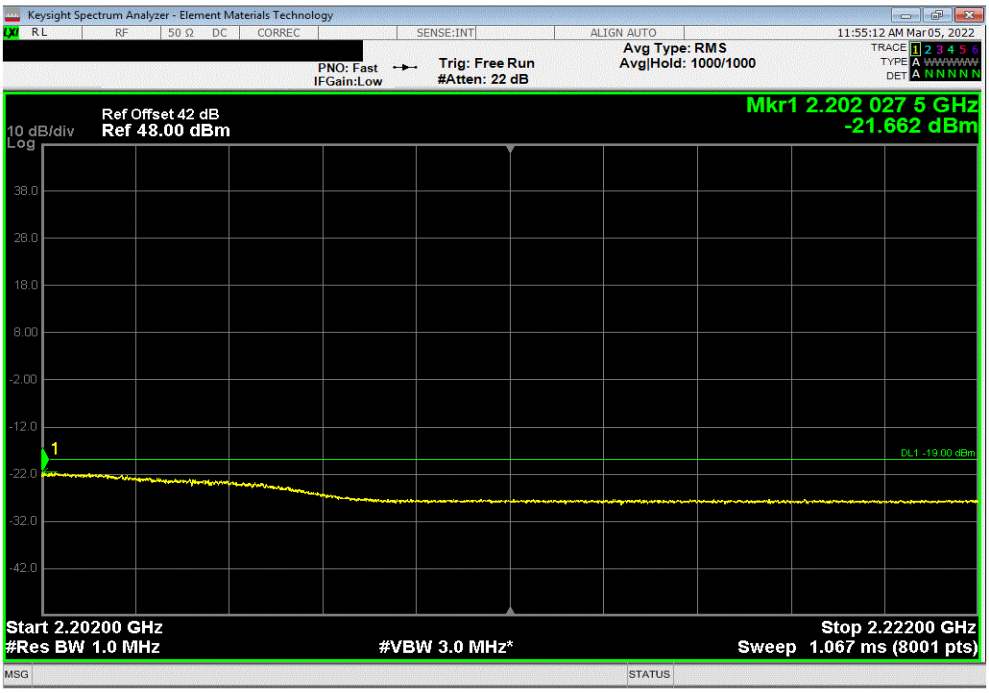
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2197.5 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.5	-19	Pass



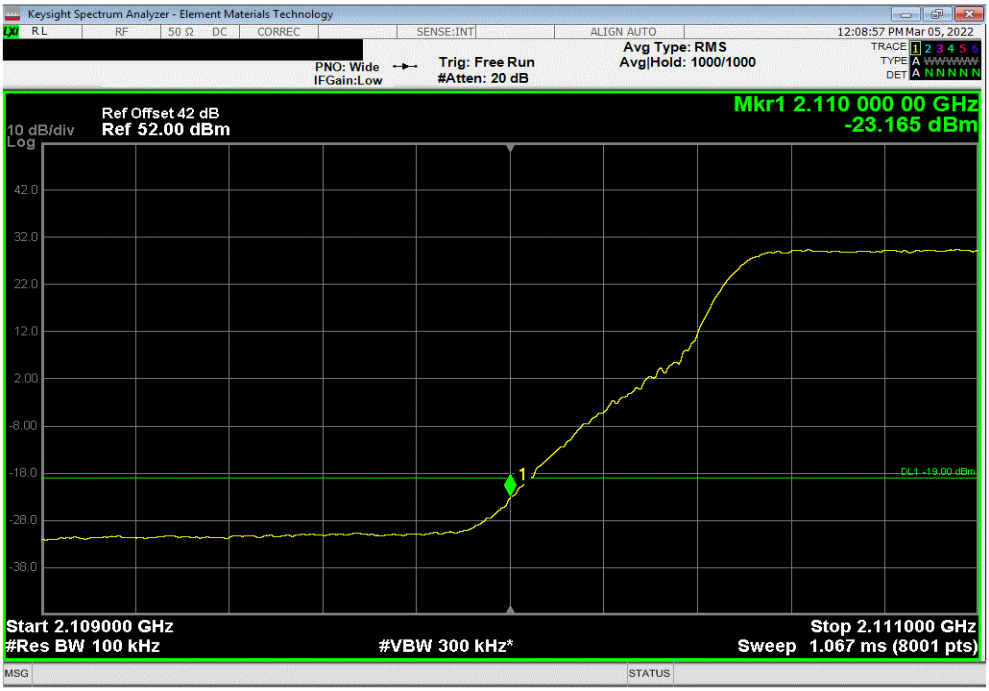
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2197.5 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-21.7	-19	Pass



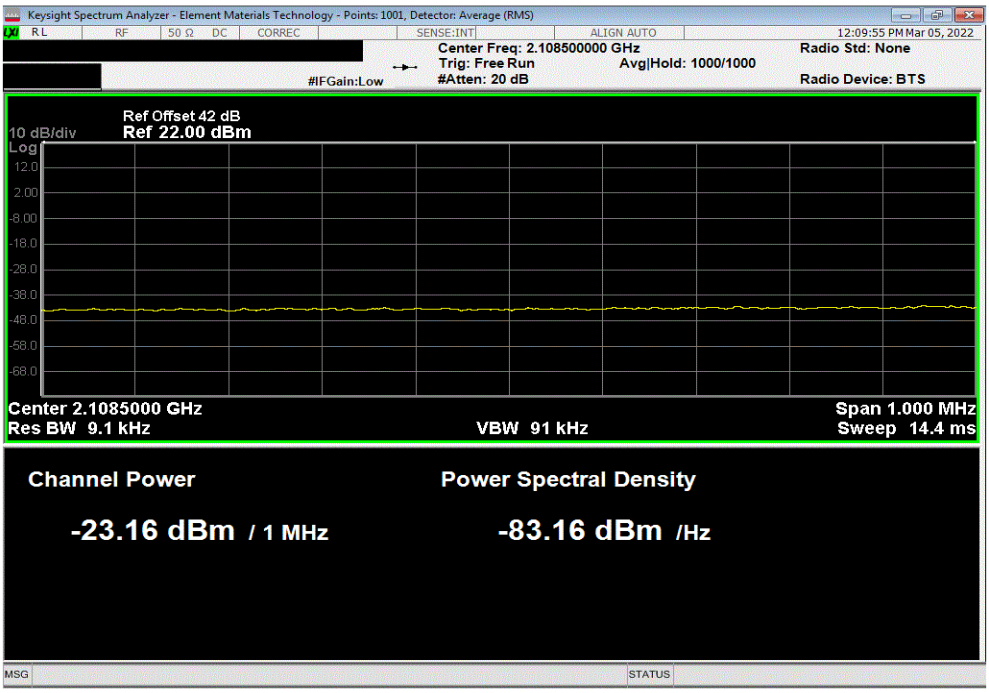
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2115 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-23.2	-19	Pass



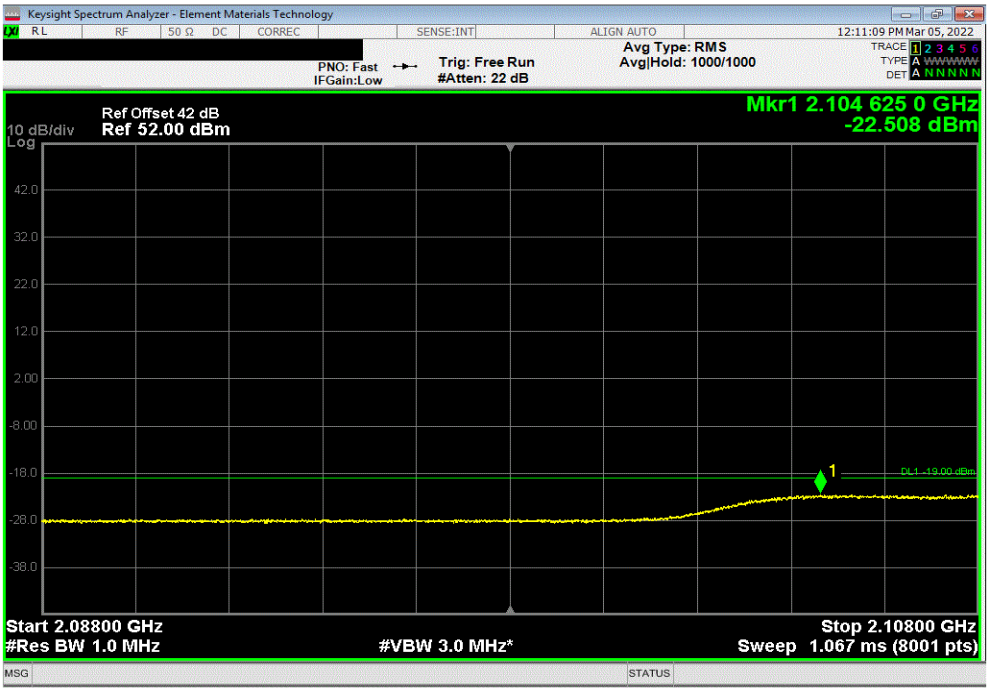
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2115 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-23.2	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2115 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.5	-19	Pass

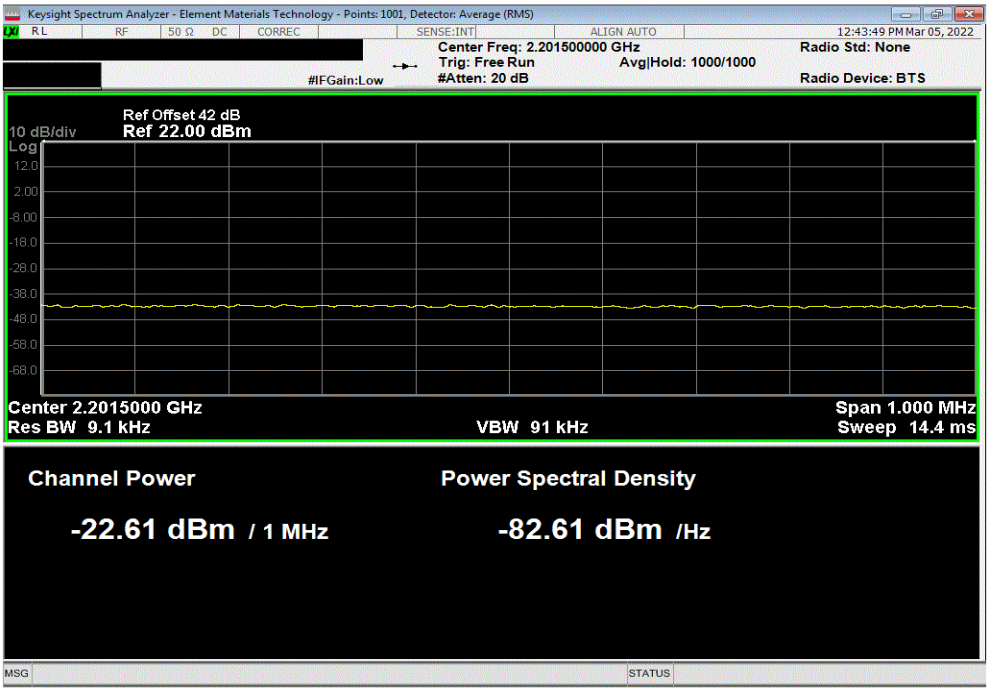


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2195 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-22.4	-19	Pass

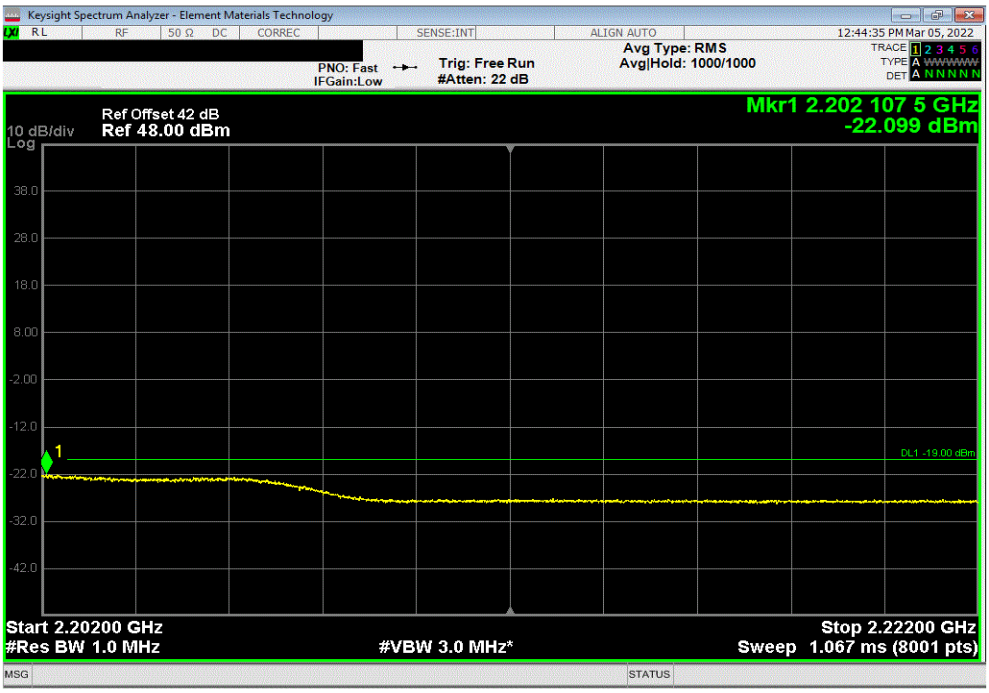
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2195 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.6	-19	Pass



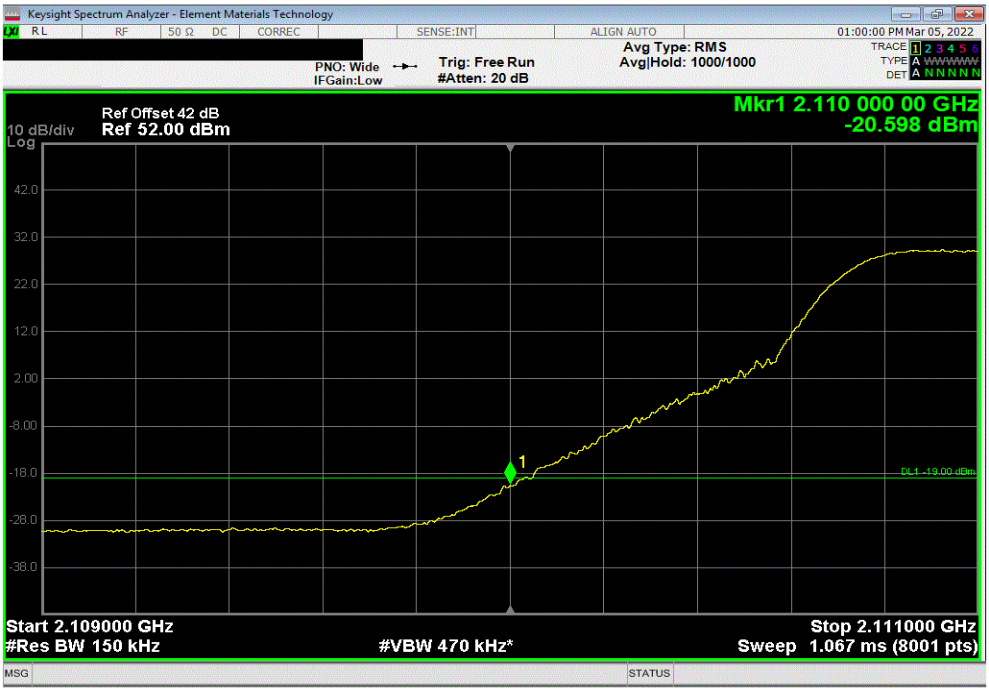
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2195 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.1	-19	Pass



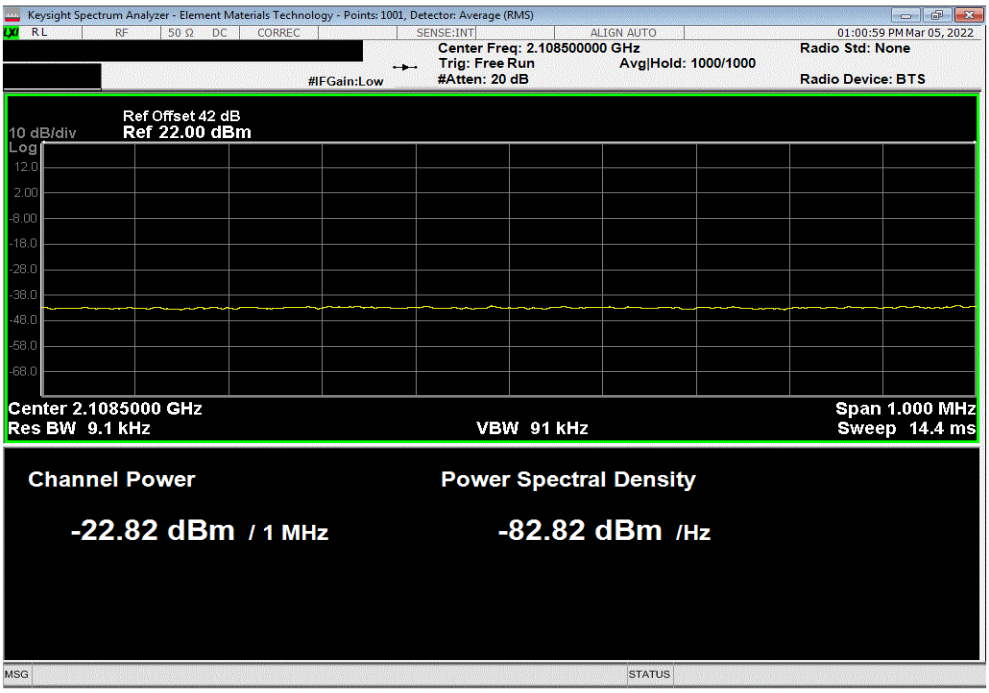
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-20.6	-19	Pass



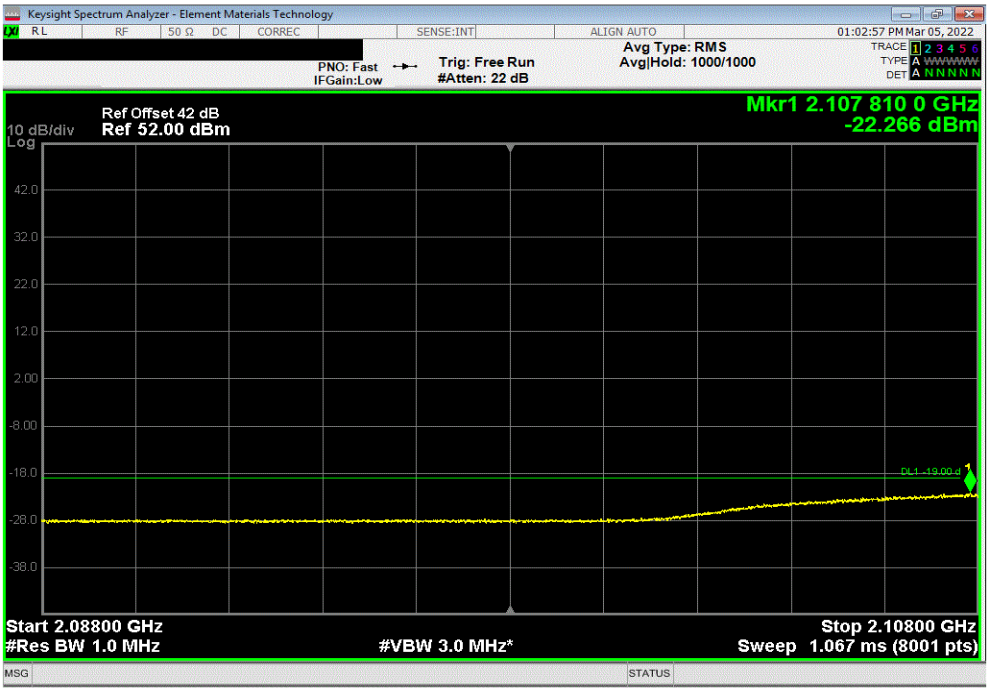
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.8	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.3	-19	Pass

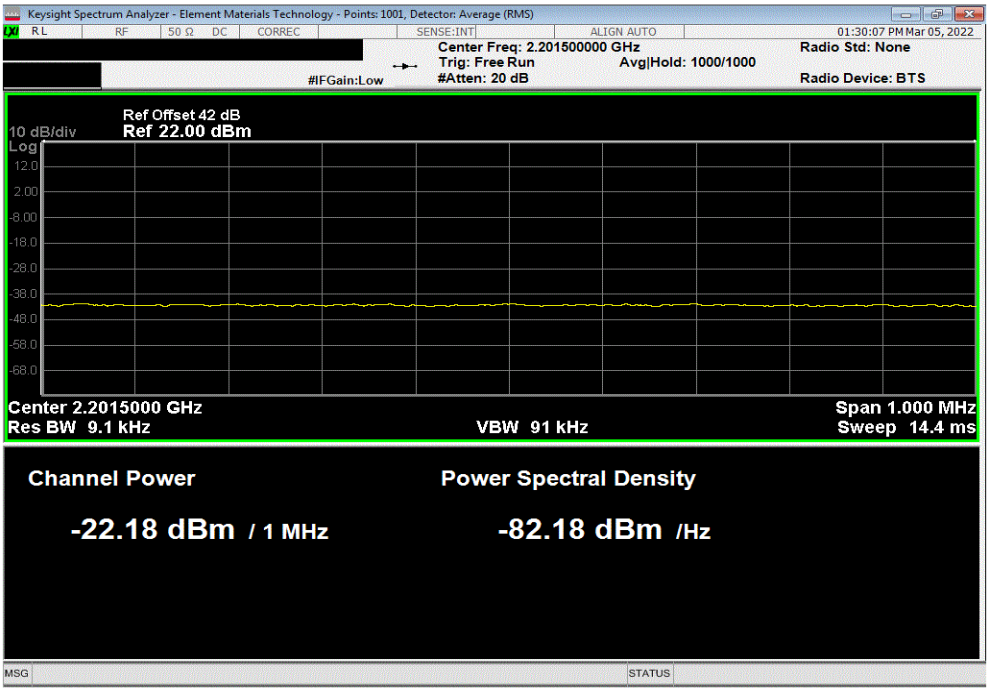


Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2192.5 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-20.0	-19	Pass

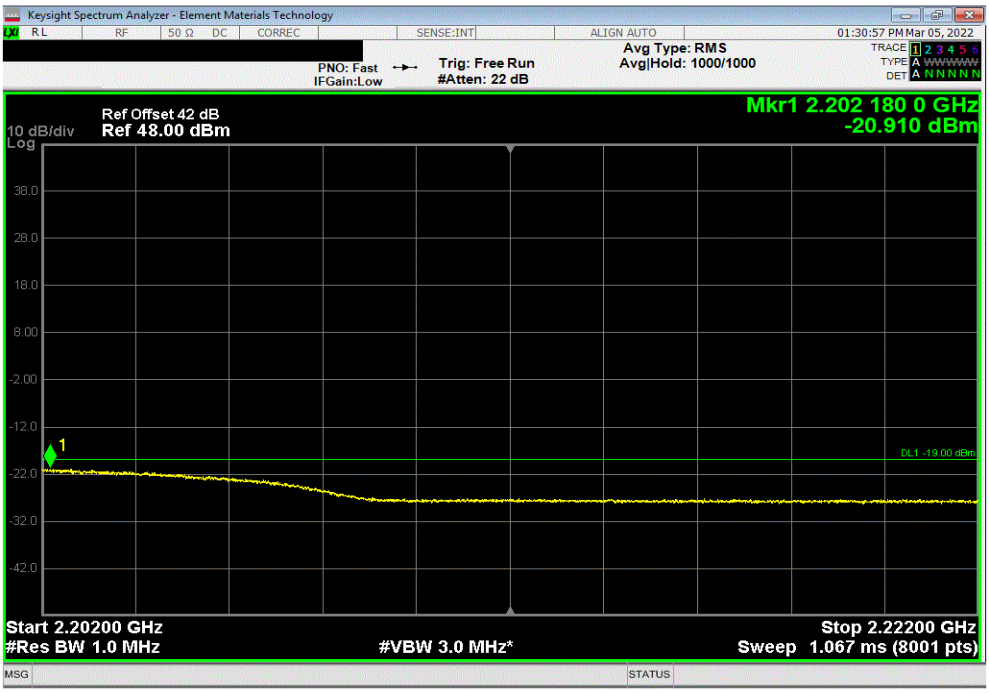
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2192.5 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.2	-19	Pass



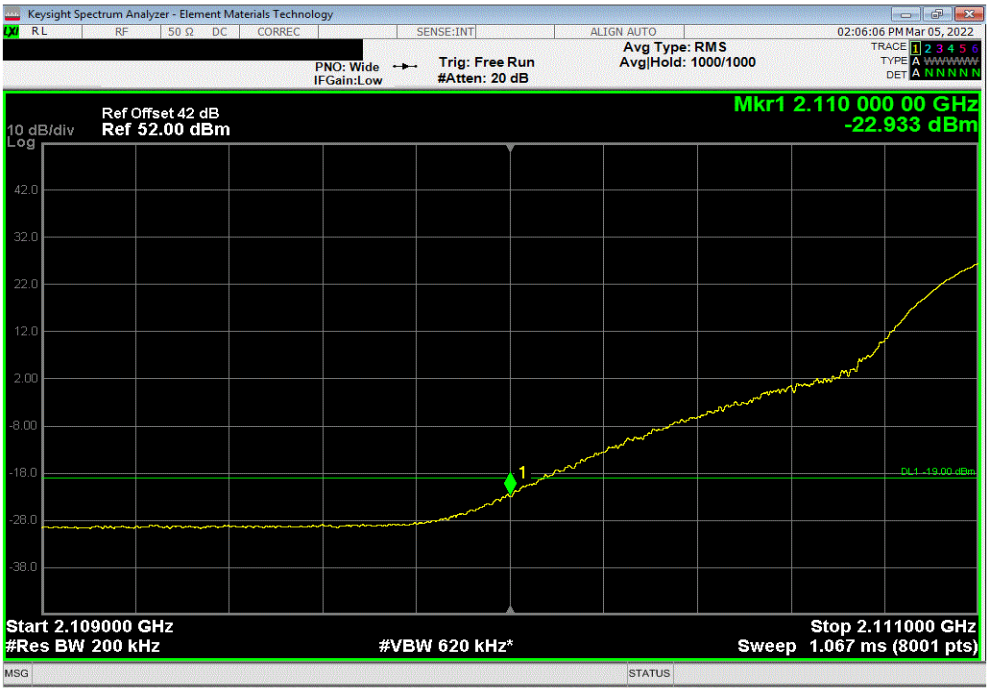
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2192.5 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-20.9	-19	Pass



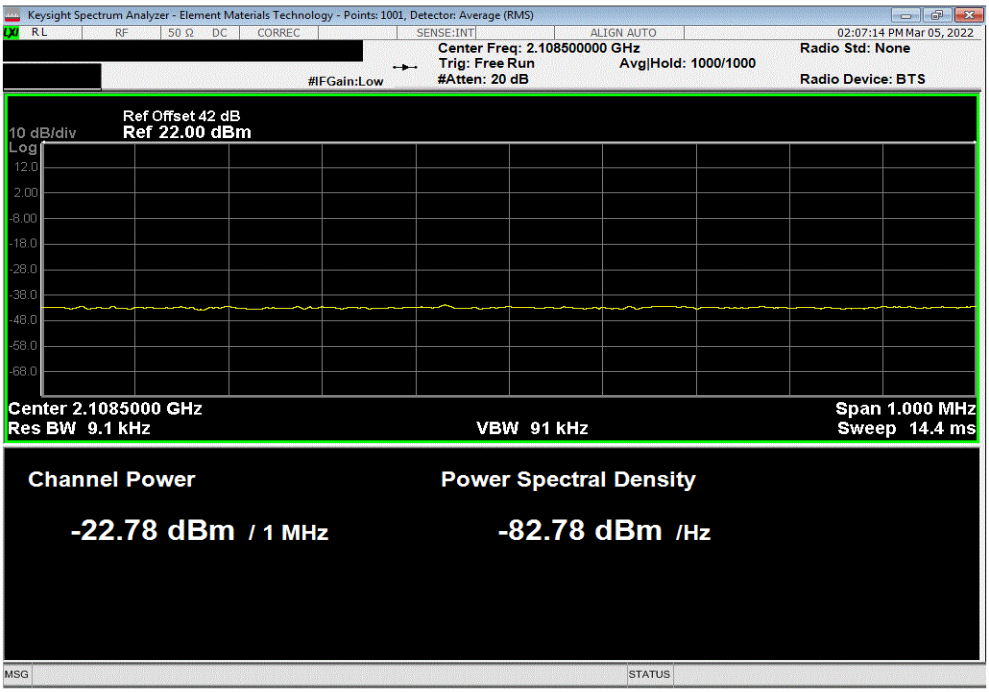
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2120 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-22.9	-19	Pass



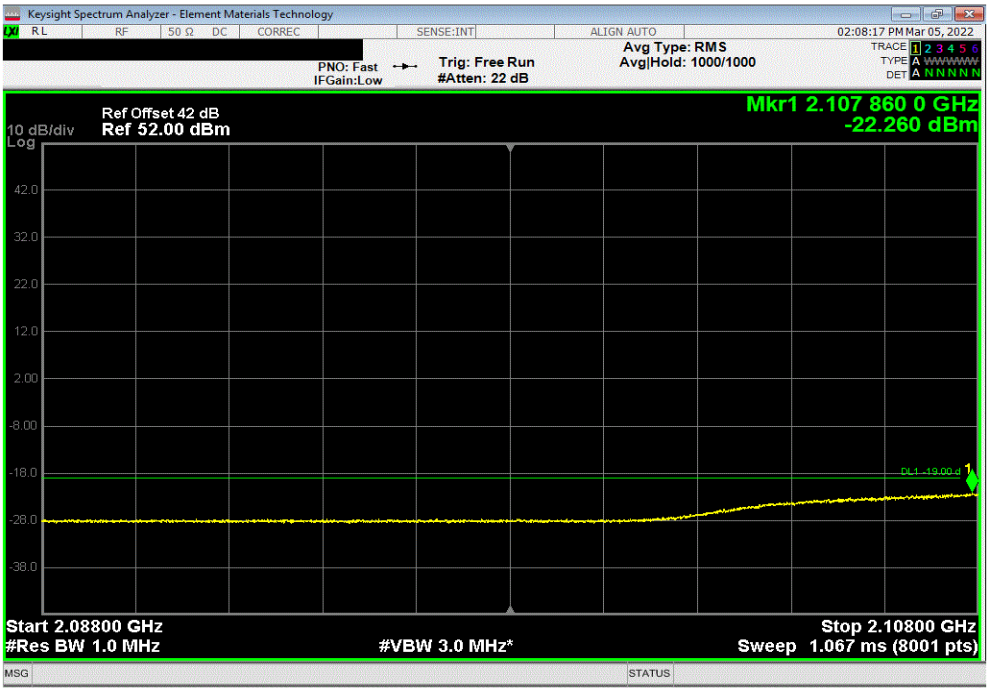
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2120 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-22.8	-19	Pass



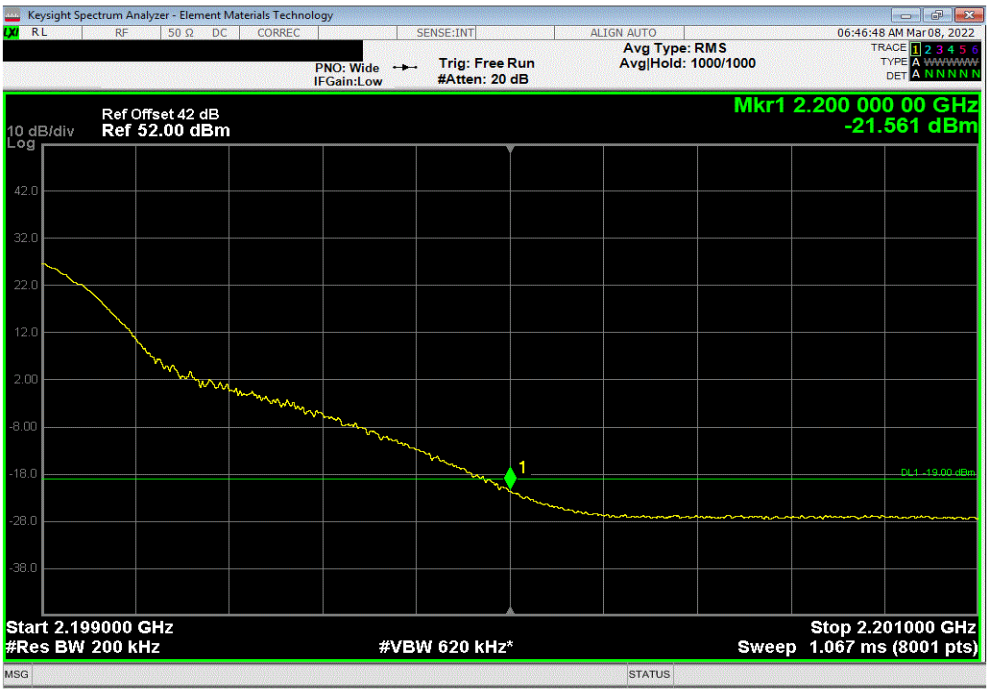
BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, Low Channel, 2120 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-22.3	-19	Pass



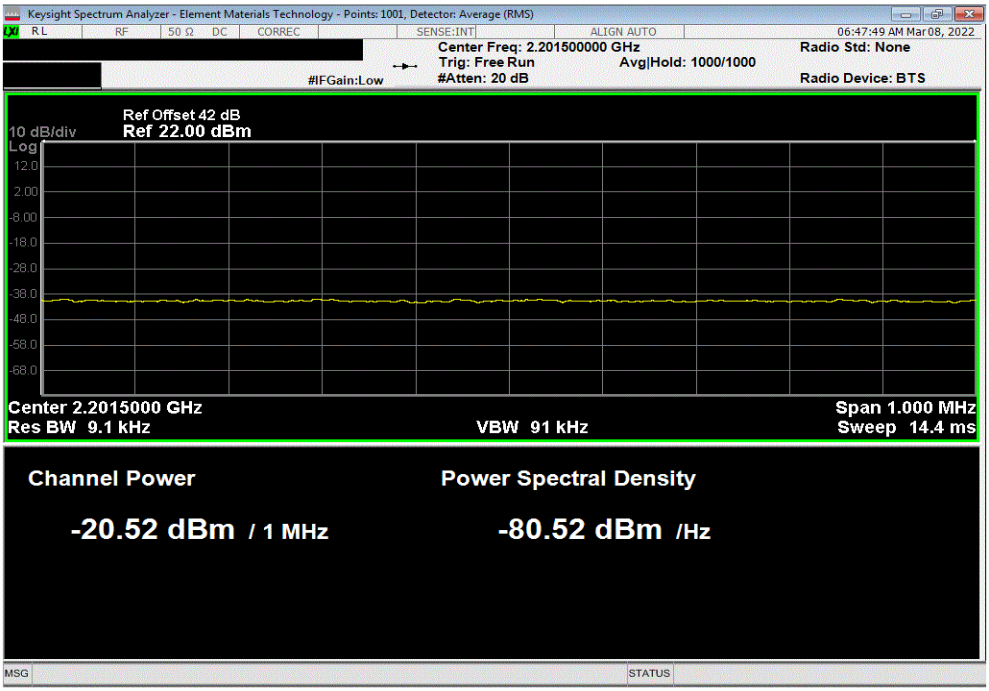
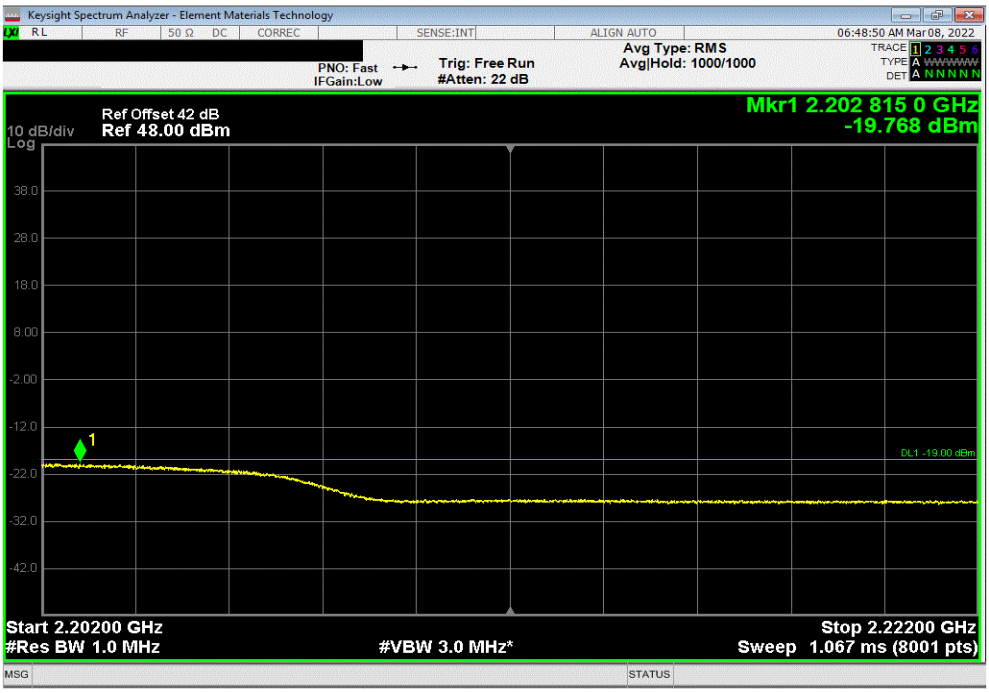
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2190 MHz						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	1			-21.6	-19	Pass



BAND EDGE COMPLIANCE - IN BAND

TbtTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2190 MHz.						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	2			-20.5	-19	Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwdith, E-TM1.1 with N-TM, High Channel, 2190 MHz..						
	Frequency Range			Max Value (dBm)	Limit (dBm)	Results
	3			-19.8	-19	Pass