

OCCUPIED BANDWIDTH - 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 the spectrum analyzer. The method in section 5.4 of ANSI C63.26 was used to make this measurement. The spectrum analyzer settings were as follows:

- RBW is 1% - 5% of the occupied bandwidth
- VBW is $\geq 3x$ the RBW
- Peak Detector was used
- Trace max hold was used

RF conducted emissions testing was performed only on one port. All four AHFI antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification testing) and antenna port was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i, and 6.

The occupied bandwidth was measured with the EUT configured in the modes called out in the data sheets. FCC 24.238(b) and FCC 15.27.53(h)(3) defines the 26dB emission bandwidth requirement. RSS GEN Section 6.7 defines the 99% emission bandwidth requirement.

FCC and ISSED Emission Designators for Band 25 (1930MHz to 1995MHz) Narrow-Band IOT In-Band			
Ch BW	Radio Channel	4G-LTE: E-TM1.1 with N-TM	
		FCC	ISSED
5MHz	Low	4M79F9W	4M47F9W
	Mid	4M79F9W	4M47F9W
	High	4M80F9W	4M47F9W
10MHz	Low	9M56F9W	8M97F9W
	Mid	9M58F9W	8M97F9W
	High	9M58F9W	8M97F9W
15MHz	Low	14M4F9W	13M5F9W
	Mid	14M4F9W	13M5F9W
	High	14M4F9W	13M5F9W
20MHz	Low	19M2F9W	17M9F9W
	Mid	19M2F9W	17M9F9W
	High	19M3F9W	17M9F9W
Note: FCC emission designators are based on 26dB emission bandwidth. ISSED emission designators are based on 99% emission bandwidth.			

FCC and ISSED Emission Designators for Band 66 (2110MHz to 2200MHz) Narrow-Band IOT In-Band			
Ch BW	Radio Channel	4G-LTE: E-TM1.1 with N-TM	
		FCC	ISSED
5MHz	Low	4M79F9W	4M47F9W
	Mid	4M79F9W	4M47F9W
	High	4M80F9W	4M47F9W
10MHz	Low	9M58F9W	8M97F9W
	Mid	9M57F9W	8M97F9W
	High	9M59F9W	8M97F9W
15MHz	Low	14M4F9W	13M5F9W
	Mid	14M4F9W	13M5F9W
	High	14M4F9W	13M5F9W
20MHz	Low	19M3F9W	17M9F9W
	Mid	19M3F9W	17M9F9W
	High	19M3F9W	17M9F9W
Note: FCC emission designators are based on 26dB emission bandwidth. ISSED emission designators are based on 99% emission bandwidth.			

OCCUPIED BANDWIDTH - IN BAND



TstTx 2021.12.14.1 XMit 2022.02.07.0

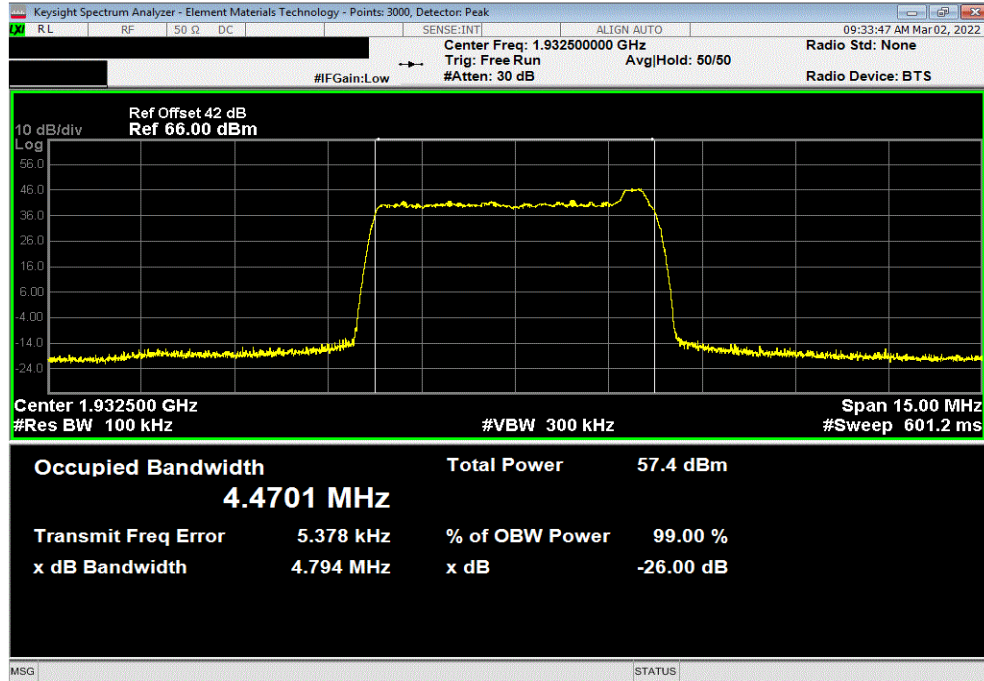
EUT: AHFII Remote Radio Head		Work Order: NOKI0037	
Serial Number: YK214000036		Date: 28-Feb-22	
Customer: Nokia Solutions and Networks		Temperature: 22.6 °C	
Attendees: David Le, John Rattanaovong		Humidity: 23.7% RH	
Project: None		Barometric Pres.: 1026 mbar	
Tested by: Mark Baytan		Power: 54 VDC	
Job Site: TX09			
TEST SPECIFICATIONS			
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 losses accounted for in the reference level offset including any attenuators, filters, and DC blocks. Band 25 carriers enabled at maximum power is 80 watts/carrier.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature	
		Value 99% (MHz)	Value 26dB (MHz)
		Limit	Result
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band			
Port 1			
5 MHz Bandwidth			
E-TM1.1 with N-TM			
	Low Channel, 1932.5 MHz	4.47	4.79
	Mid Channel, 1962.5 MHz	4.47	4.79
	High Channel, 1992.5 MHz	4.47	4.80
10 MHz Bandwidth			
E-TM1.1 with N-TM			
	Low Channel, 1935 MHz	8.97	9.56
	Mid Channel, 1962.5 MHz	8.97	9.58
	High Channel, 1990 MHz	8.97	9.58
15 MHz Bandwidth			
E-TM1.1 with N-TM			
	Low Channel, 1937.5 MHz	13.5	14.4
	Mid Channel, 1962.5 MHz	13.5	14.4
	High Channel, 1987.5 MHz	13.5	14.4
20 MHz Bandwidth			
E-TM1.1 with N-TM			
	Low Channel, 1940 MHz	17.9	19.2
	Mid Channel, 1962.5 MHz	17.9	19.2
	High Channel, 1985 MHz	17.9	19.2

OCCUPIED BANDWIDTH - IN BAND

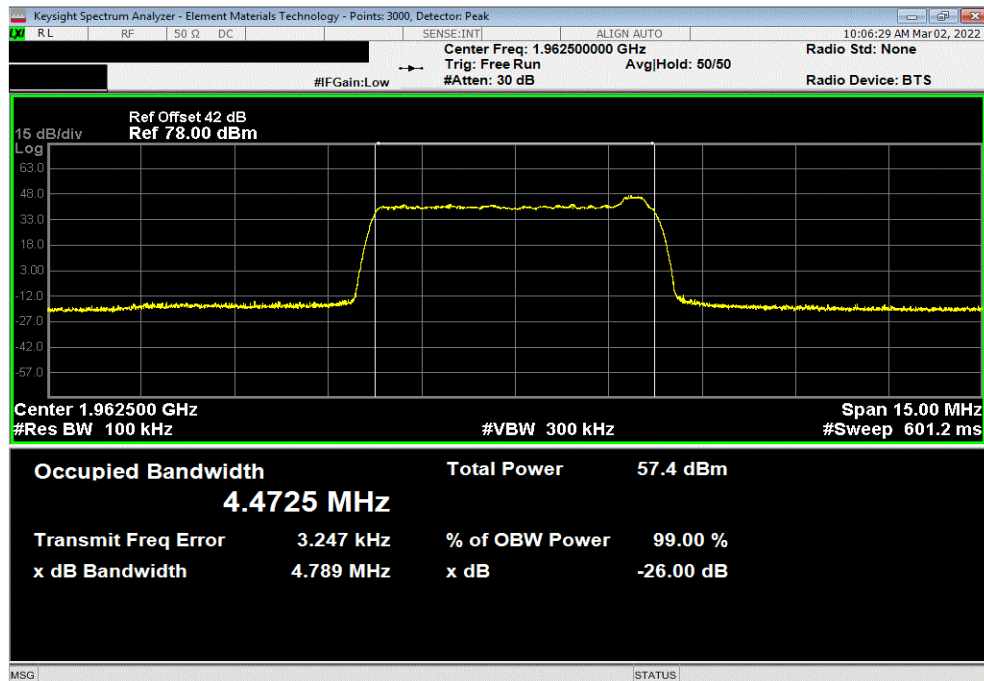


TbTx 2021.12.14.1 XbTx 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 1932.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			4.47	4.79	Within Band	Pass	



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 1962.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			4.47	4.79	Within Band	Pass	

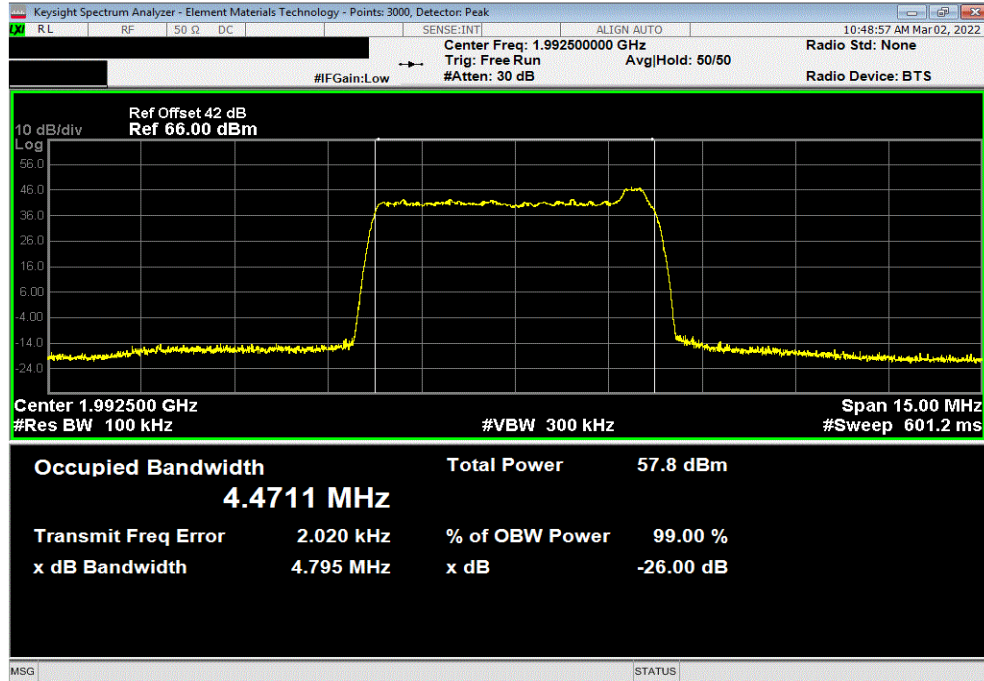


OCCUPIED BANDWIDTH - IN BAND

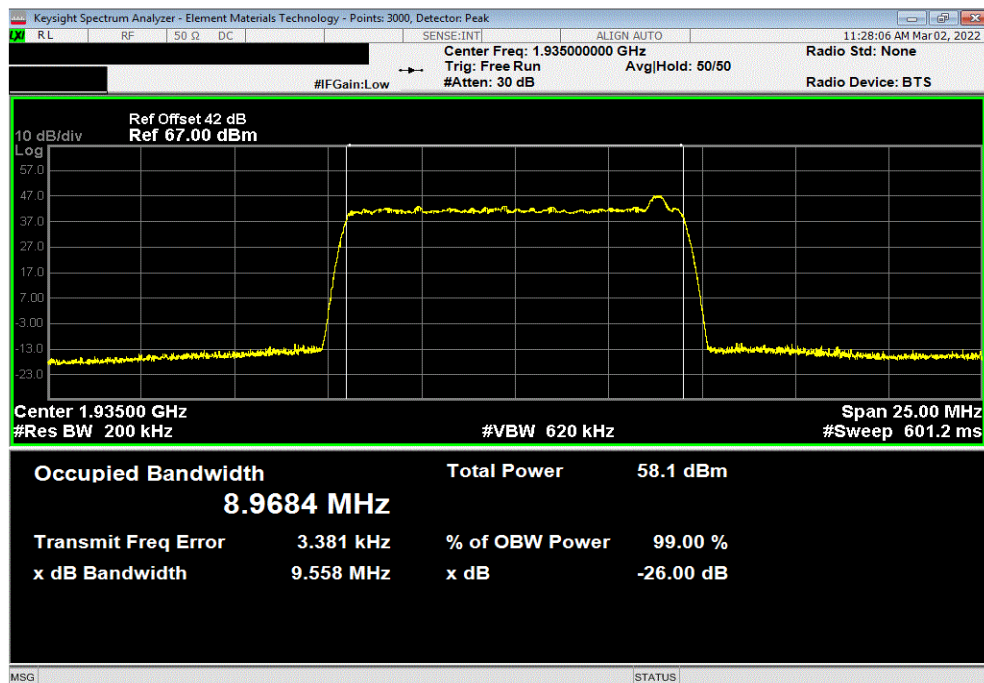


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 1992.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			4.47	4.80	Within Band	Pass	



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 1935 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			8.97	9.56	Within Band	Pass	

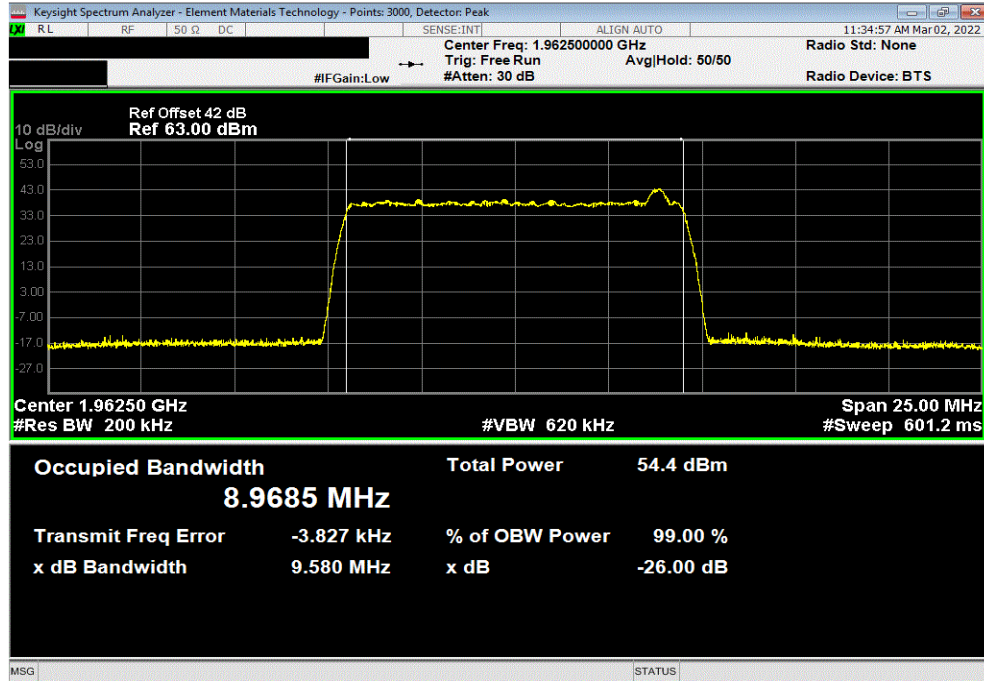


OCCUPIED BANDWIDTH - IN BAND

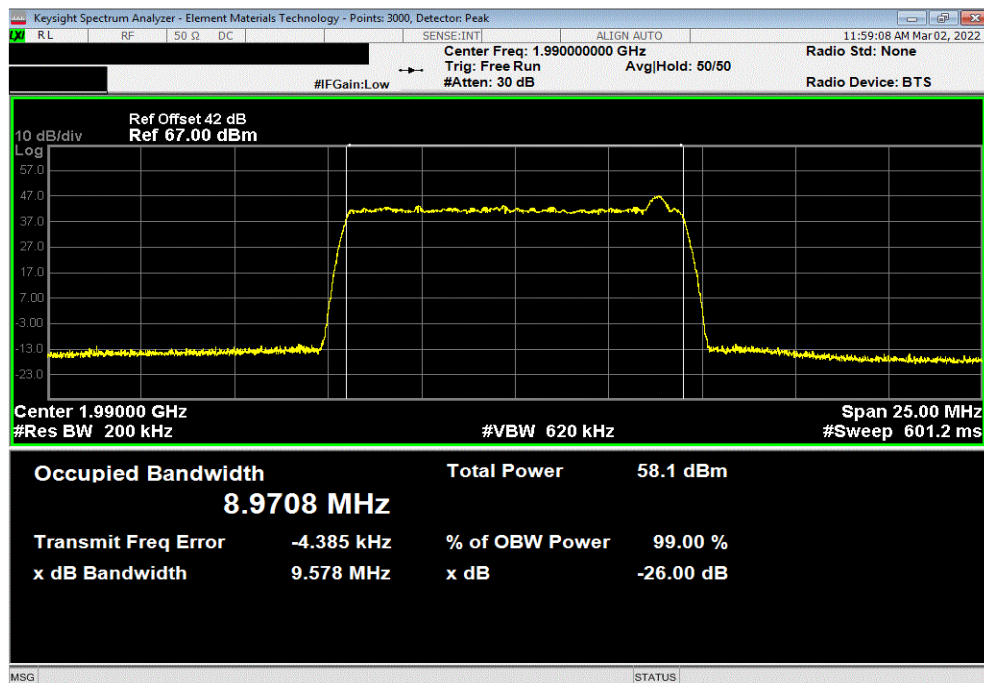


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 1962.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			8.97	9.58	Within Band	Pass	



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 1990 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			8.97	9.58	Within Band	Pass	

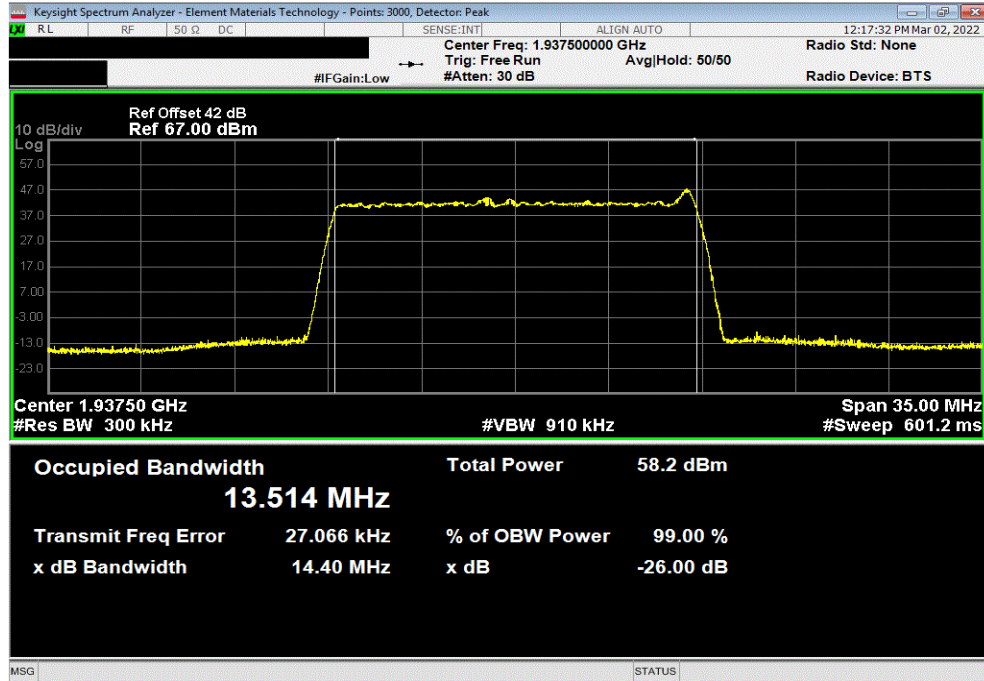


OCCUPIED BANDWIDTH - IN BAND

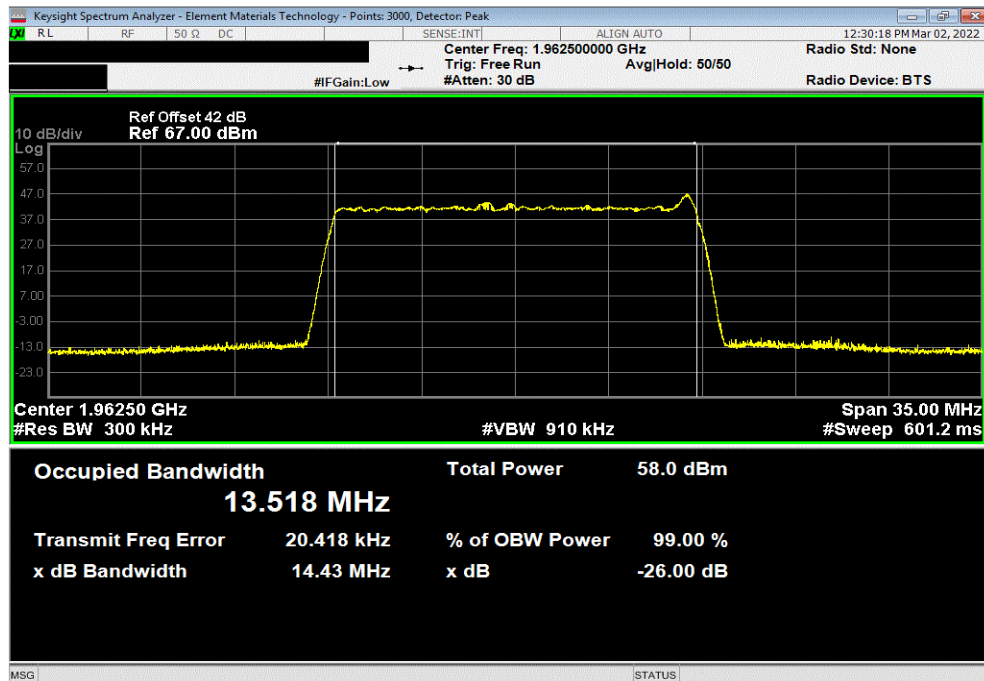


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 1937.5 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			13.5	14.4	Within Band		Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 1962.5 MHz.							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			13.5	14.4	Within Band		Pass

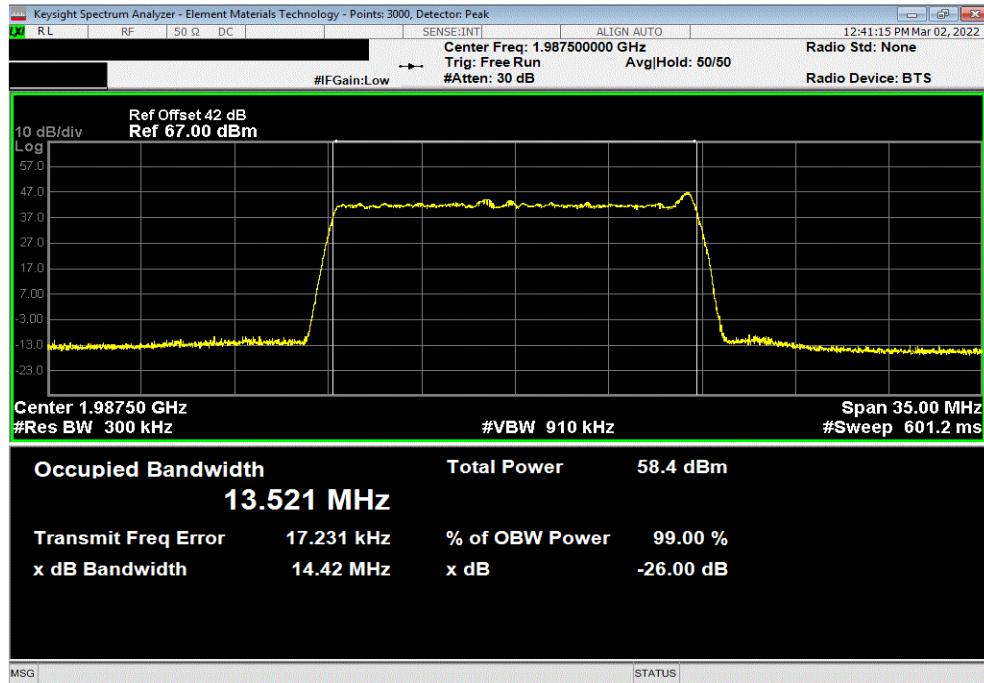


OCCUPIED BANDWIDTH - IN BAND

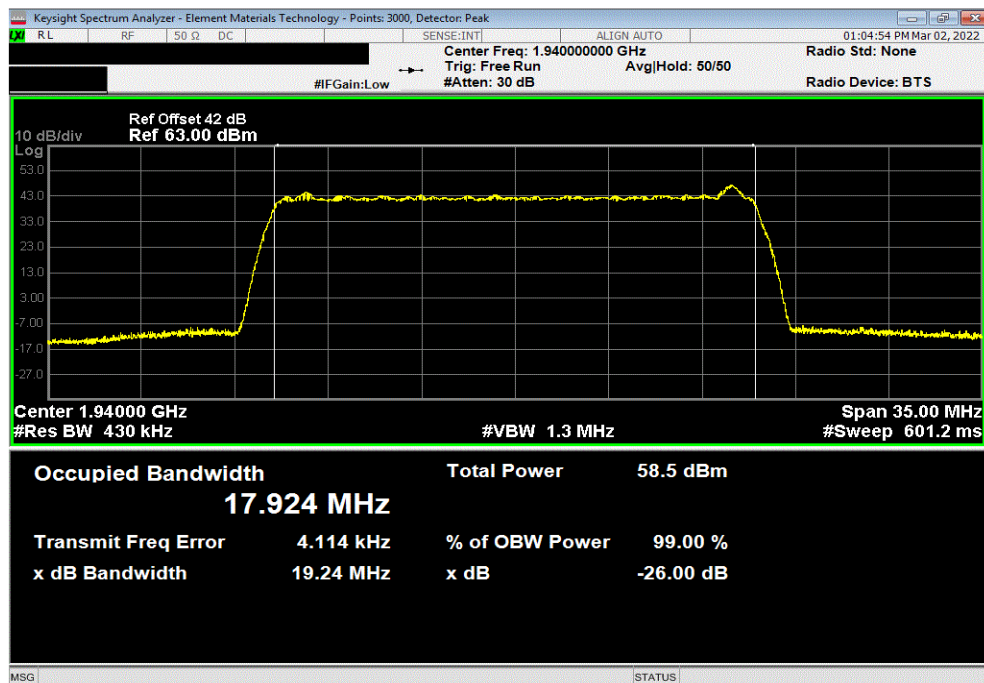


TbTx 2021.12.14.1 XbTx 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 1987.5 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			13.5	14.4	Within Band		Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 1940 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			17.9	19.2	Within Band		Pass



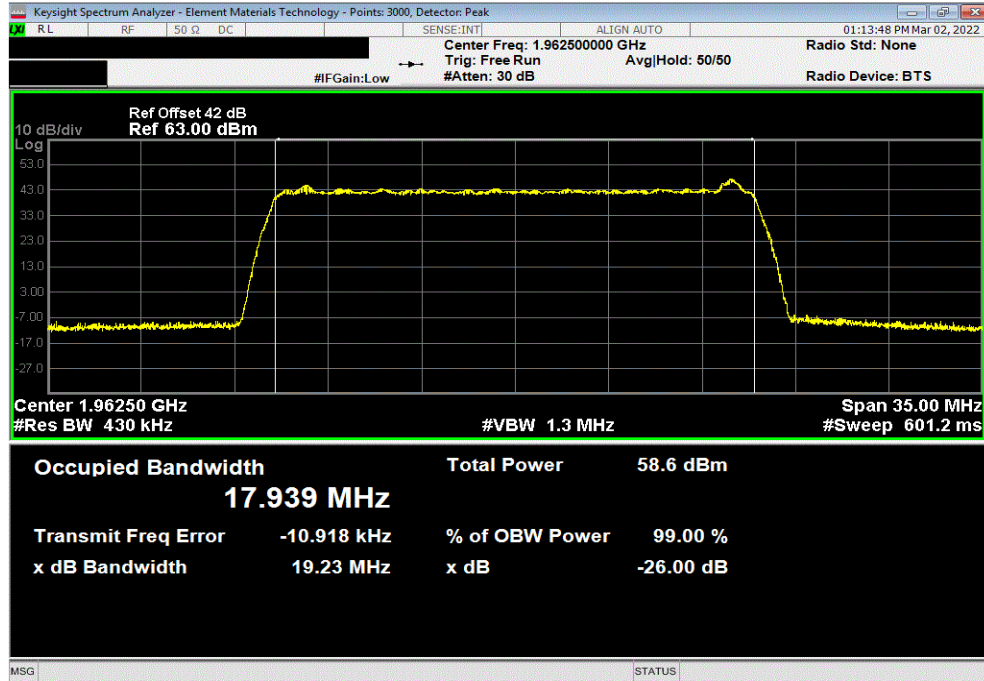
OCCUPIED BANDWIDTH - IN BAND



TbTx 2021.12.14.1 XMI 2022.02.07.0

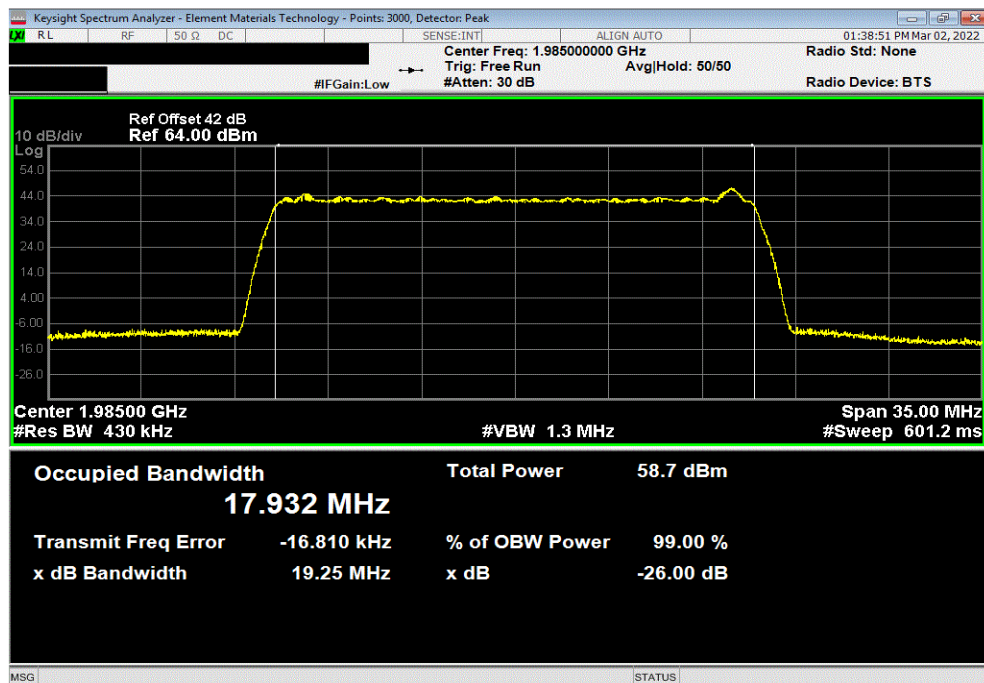
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 1962.5 MHz..

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	17.9	19.2	Within Band	Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT In-Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 1985 MHz

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	17.9	19.2	Within Band	Pass



OCCUPIED BANDWIDTH - IN BAND



TstTx 2021.12.14.1 XMIT 2022.02.07.0

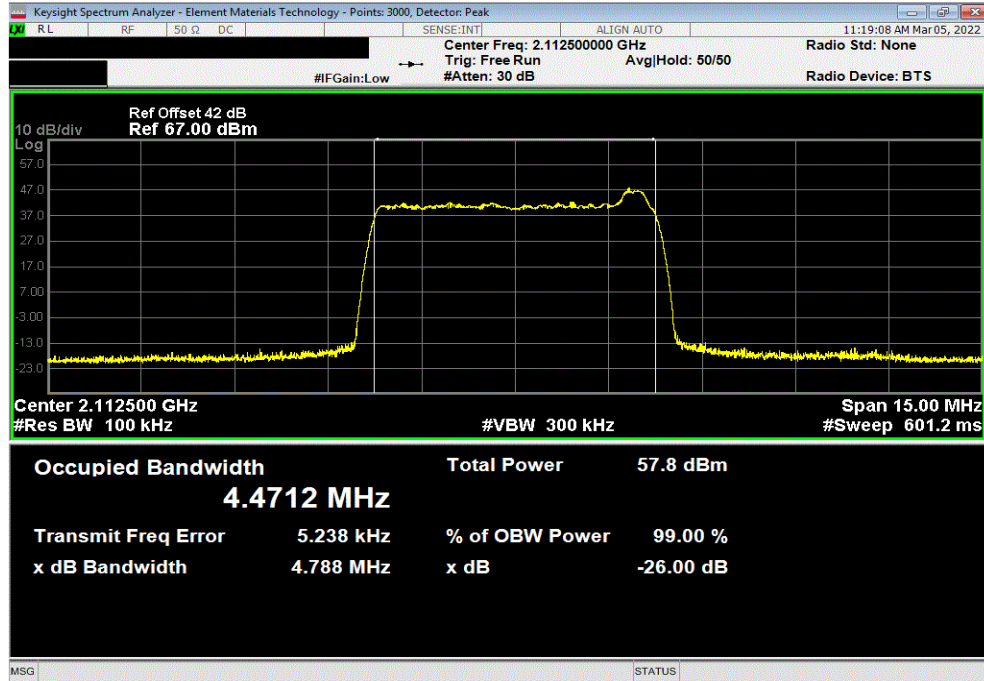
EUT: AHFII Remote Radio Head		Work Order: NOKI0037	
Serial Number: YK214000036		Date: 28-Feb-22	
Customer: Nokia Solutions and Networks		Temperature: 22.6 °C	
Attendees: David Le, John Rattanaovong		Humidity: 23.7% RH	
Project: None		Barometric Pres.: 1026 mbar	
Tested by: Mark Baytan		Power: 54 VDC	
Job Site: TX09			
TEST SPECIFICATIONS			
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			
DEVIATIONS FROM TEST STANDARD			
All measurement path losses accounted for in the reference level offset including any attenuators, filters, and DC blocks. Band 66 carriers enabled at maximum power is 80 watts/carrier.			
Configuration #	2	Signature 	
		Value 99% (MHz)	Value 26dB (MHz)
		Limit	Result
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band			
Port 1			
5 MHz Bandwidth			
E-TM1.1 with N-TM			
Low Channel, 2112.5 MHz		4.47	4.79
Mid Channel, 2155 MHz		4.47	4.79
High Channel, 2197.5 MHz		4.47	4.79
10 MHz Bandwidth			
E-TM1.1 with N-TM			
Low Channel, 2115 MHz		8.97	9.58
Mid Channel, 2155 MHz		8.98	9.57
High Channel, 2195 MHz		8.97	9.59
15 MHz Bandwidth			
E-TM1.1 with N-TM			
Low Channel, 2117.5 MHz		13.5	14.4
Mid Channel, 2155 MHz		13.5	14.4
High Channel, 2192.5 MHz		13.5	14.4
20 MHz Bandwidth			
E-TM1.1 with N-TM			
Low Channel, 2120 MHz		17.9	19.3
Mid Channel, 2155 MHz		17.9	19.3
High Channel, 2190 MHz		17.9	19.3

OCCUPIED BANDWIDTH - IN BAND

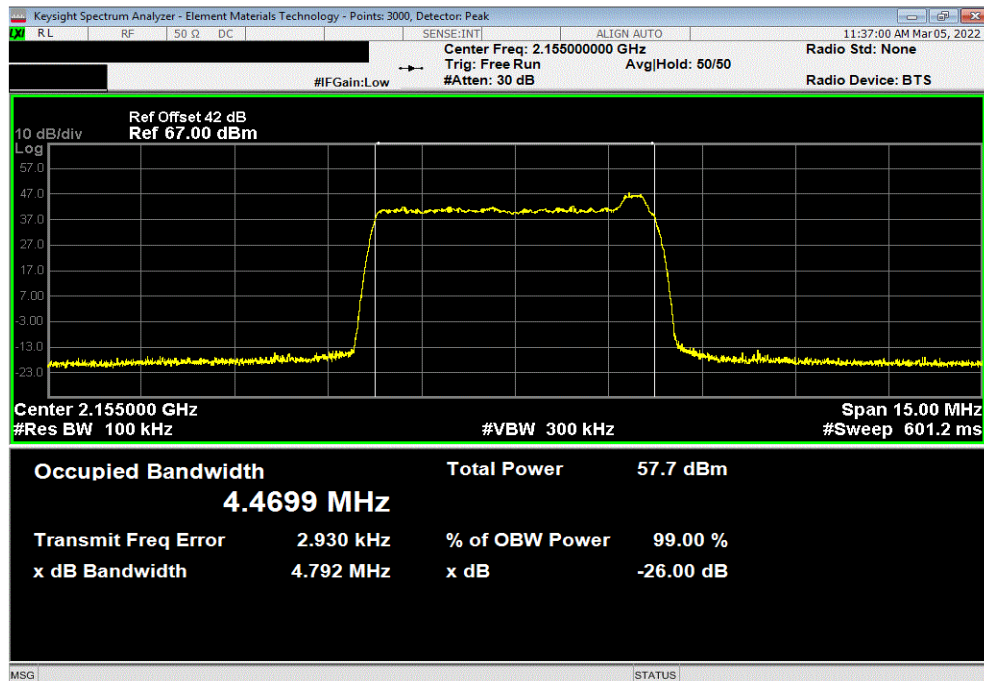


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2112.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			4.47	4.79	Within Band	Pass	



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 2155 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			4.47	4.79	Within Band	Pass	

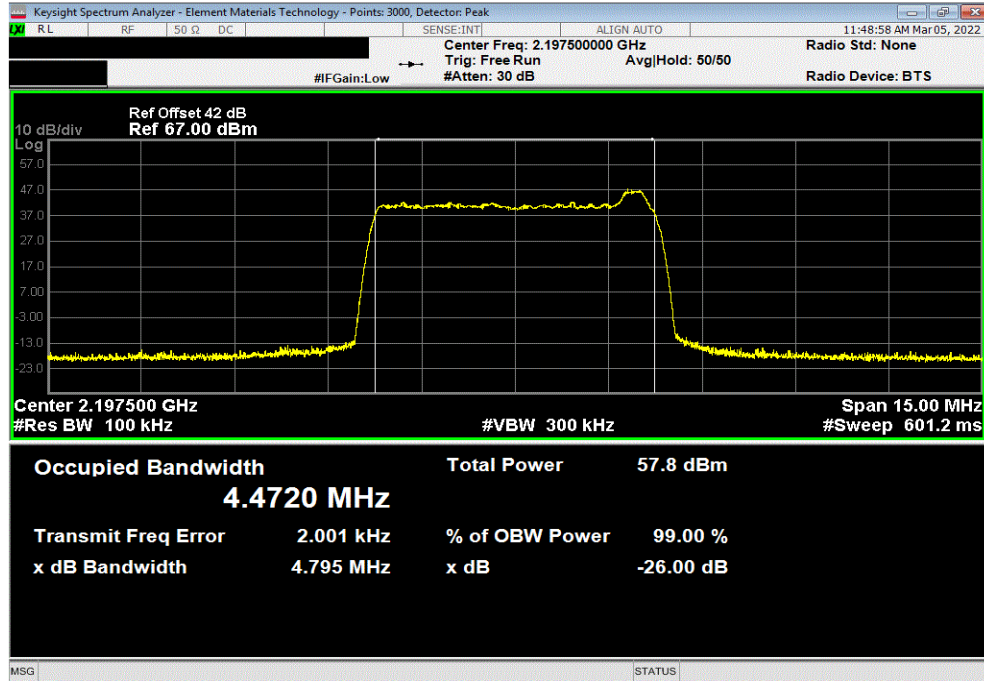


OCCUPIED BANDWIDTH - IN BAND

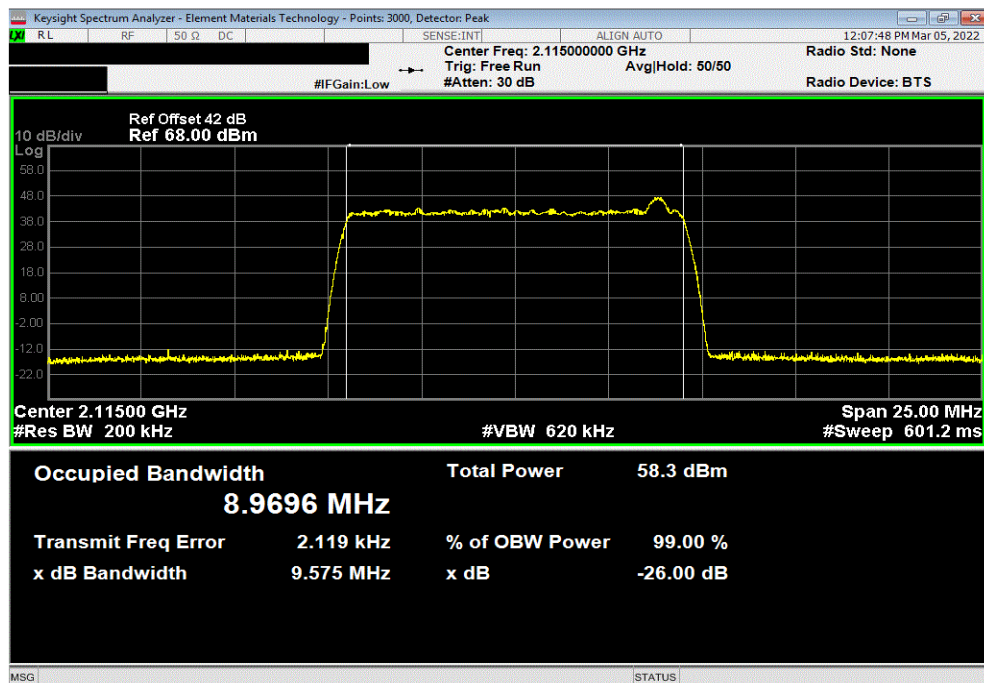


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 5 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2197.5 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			4.47	4.79	Within Band		Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2115 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			8.97	9.58	Within Band		Pass



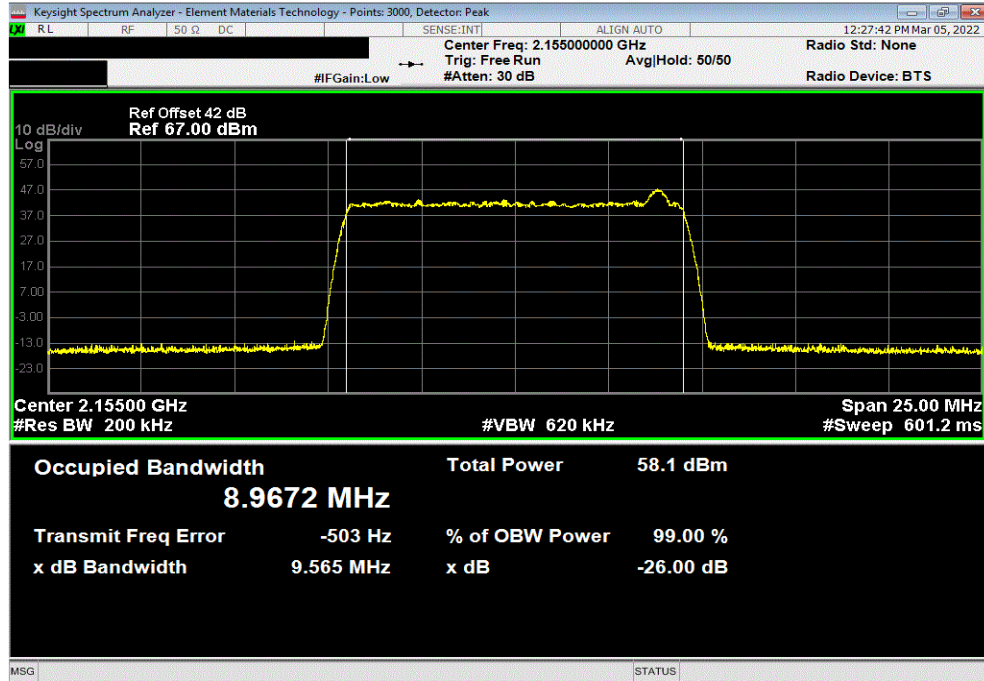
OCCUPIED BANDWIDTH - IN BAND



TbTx 2021.12.14.1 XMT 2022.02.07.0

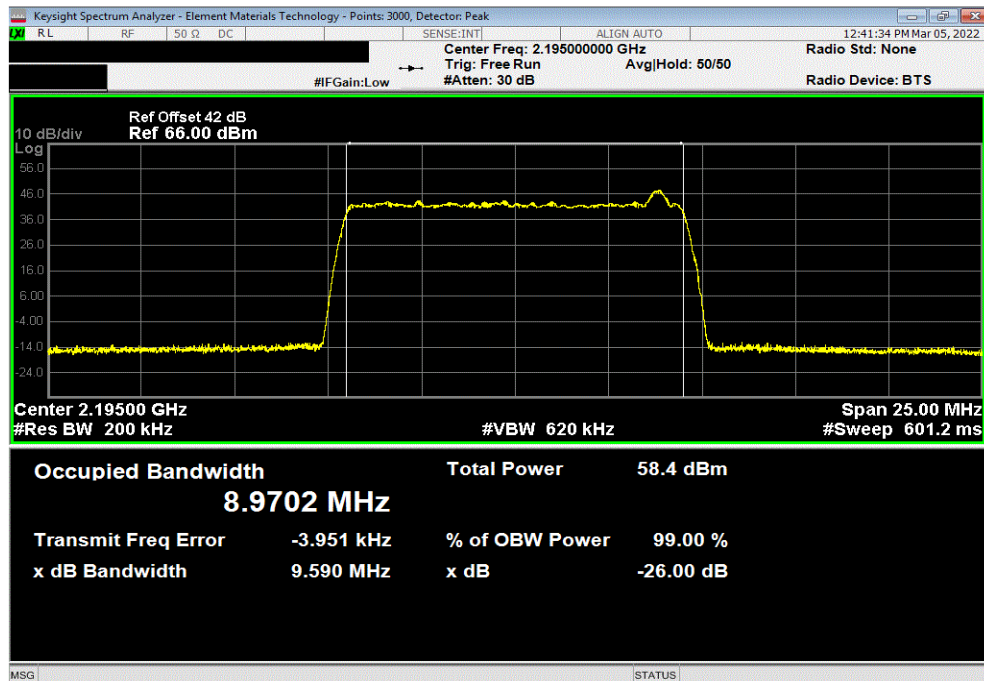
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 2155 MHz.

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	8.98	9.57	Within Band	Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 10 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2195 MHz

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	8.97	9.59	Within Band	Pass

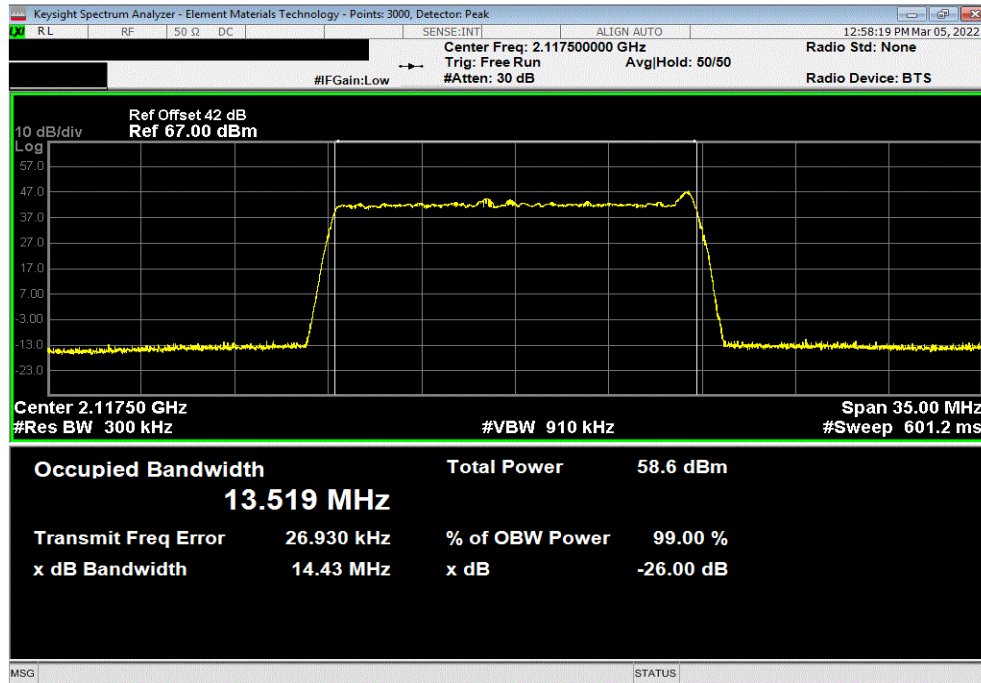


OCCUPIED BANDWIDTH - IN BAND

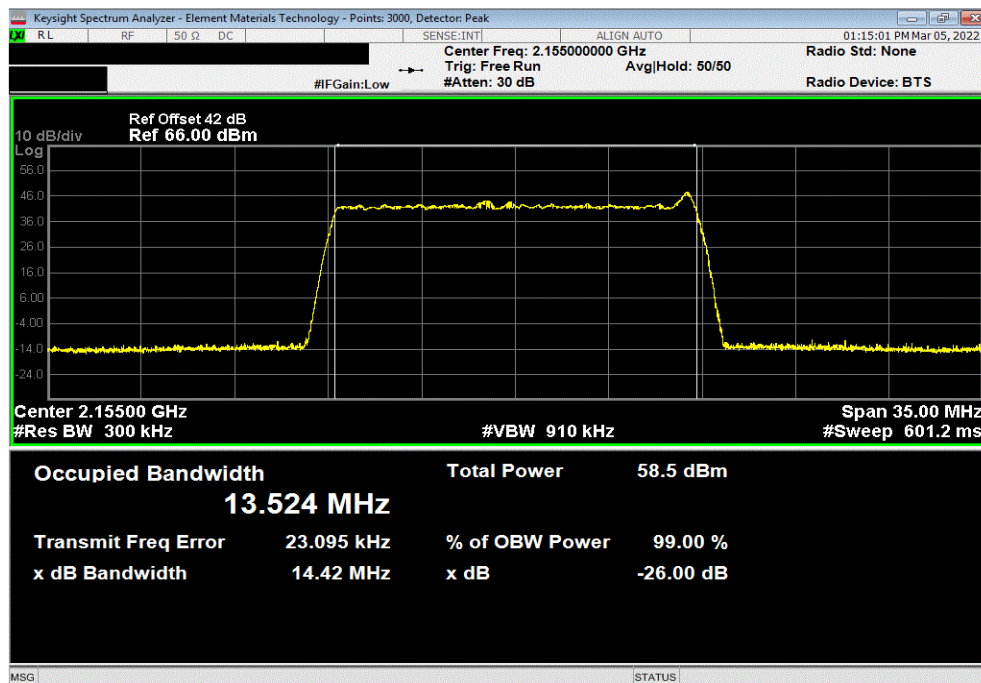


TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2117.5 MHz							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			13.5	14.4	Within Band		Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 2155 MHz.							
			Value	Value			
			99% (MHz)	26dB (MHz)	Limit		Result
			13.5	14.4	Within Band		Pass

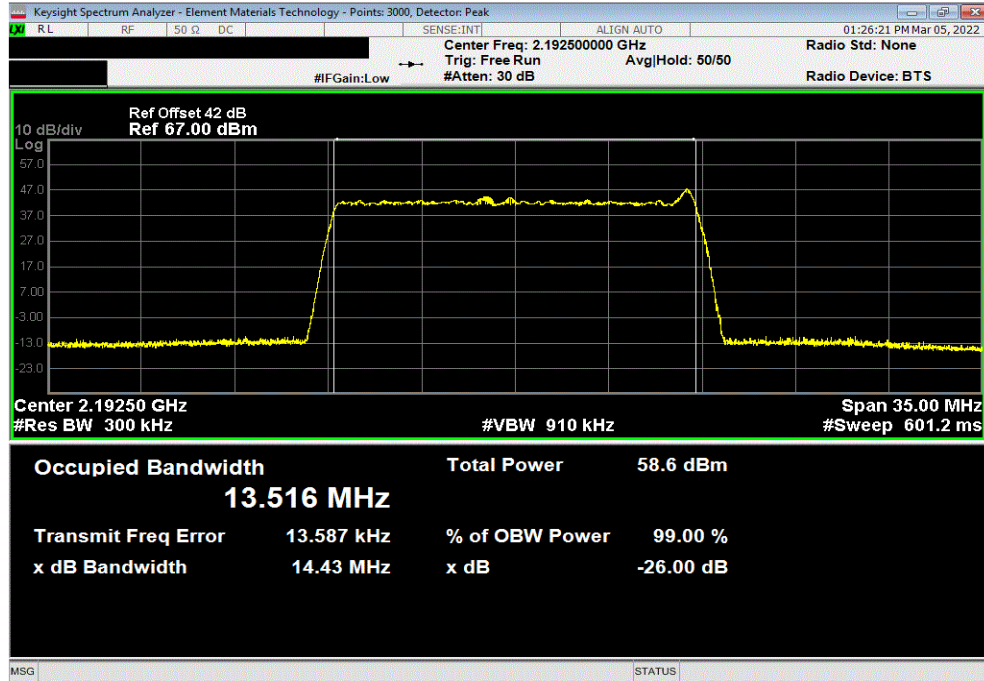


OCCUPIED BANDWIDTH - IN BAND

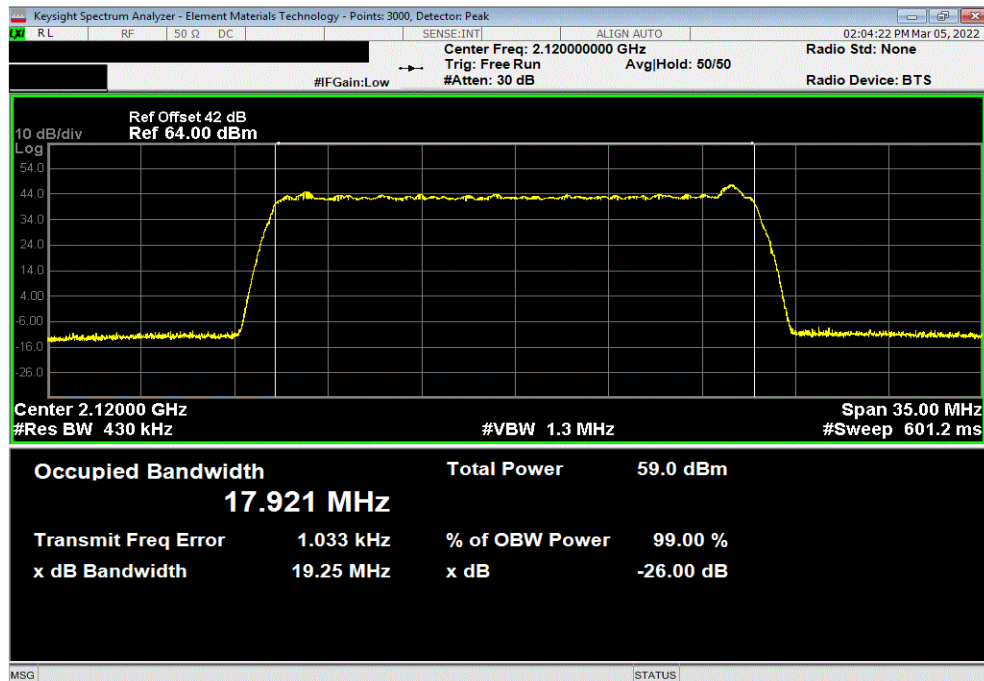


TbTx 2021.12.14.1 XbTx 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 15 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2192.5 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			13.5	14.4	Within Band	Pass	



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Low Channel, 2120 MHz							
			Value	Value	Limit	Result	
			99% (MHz)	26dB (MHz)			
			17.9	19.3	Within Band	Pass	



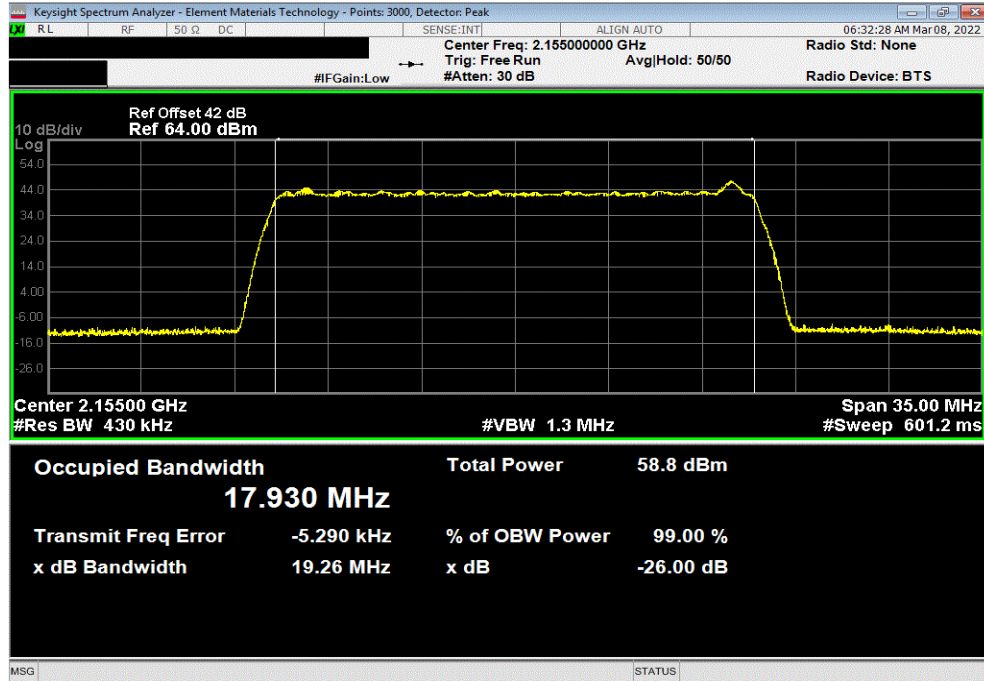
OCCUPIED BANDWIDTH - IN BAND



TbTx 2021.12.14.1 XMit 2022.02.07.0

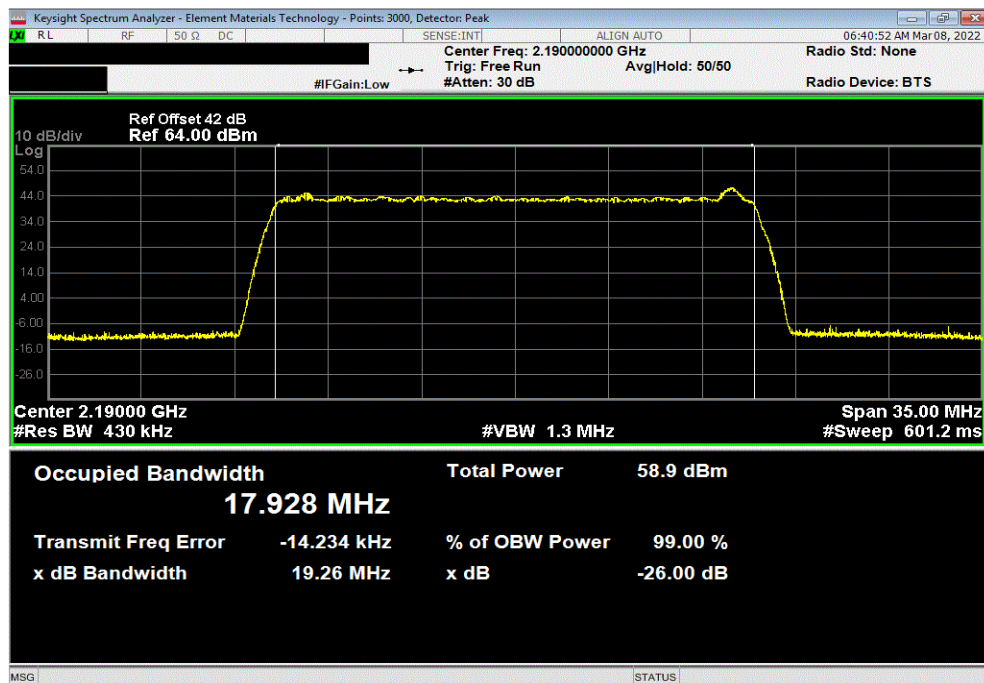
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, Mid Channel, 2155 MHz...

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	17.9	19.3	Within Band	Pass



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT In Band, Port 1, 20 MHz Bandwidth, E-TM1.1 with N-TM, High Channel, 2190 MHz

	Value	Value	Limit	Result
	99% (MHz)	26dB (MHz)		
	17.9	19.3	Within Band	Pass



OCCUPIED BANDWIDTH - STAND ALONE



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 the spectrum analyzer. The method in section 5.4 of ANSI C63.26 was used to make this measurement. The spectrum analyzer settings were as follows:

- RBW is 1% - 5% of the occupied bandwidth
- VBW is $\geq 3x$ the RBW
- Peak Detector was used
- Trace max hold was used

RF conducted emissions testing was performed only on one port. The 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 paragraphs 5.2.5.3, 5.7.2i, and 6.4.

The occupied bandwidth was measured with the EUT configured in the modes called out in the data sheets. FCC 24.238(b) and FCC 27.53(h)(3) defines the 26dB emission bandwidth requirement. RSS GEN Section 6.7 defines the 99% emission bandwidth requirement.

FCC and ISSED Emission Designators for Band 25 (1930MHz to 1995MHz) Narrow-Band IOT Stand Alone			
Ch BW	Radio Channel	4G-LTE: N-TM	
		FCC	ISSED
200KHz	Low	278KG7D	196KG7D
	Mid	279KG7D	196KG7D
	High	279KG7D	196KG7D
Note: FCC emission designators are based on 26dB emission bandwidth. ISSED emission designators are based on 99% emission bandwidth.			

FCC and ISSED Emission Designators for Band 66 (2110MHz to 2200MHz) Narrow-Band IOT Stand Alone			
Ch BW	Radio Channel	4G-LTE: N-TM	
		FCC	ISSED
200KHz	Low	278KG7D	196KG7D
	Mid	279KG7D	196KG7D
	High	279KG7D	196KG7D
Note: FCC emission designators are based on 26dB emission bandwidth. ISSED emission designators are based on 99% emission bandwidth.			

OCCUPIED BANDWIDTH - STAND ALONE



TstTx 2021.12.14.1 XMIT 2022.02.07.0

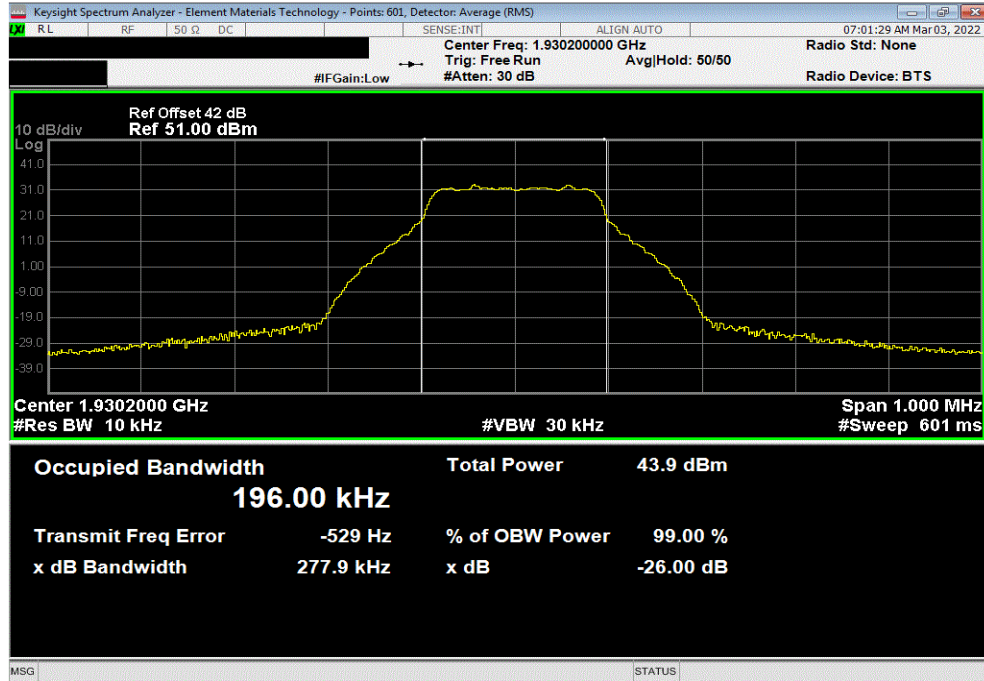
EUT: AHFII Remote Radio Head		Work Order: NOKI0037	
Serial Number: YK214000036		Date: 28-Feb-22	
Customer: Nokia Solutions and Networks		Temperature: 22.6 °C	
Attendees: David Le, John Rattanavong		Humidity: 23.7% RH	
Project: None		Barometric Pres.: 1026 mbar	
Tested by: Mark Baytan	Power: 54 VDC	Job Site: TX09	
TEST SPECIFICATIONS			
FCC 24E:2022		Test Method	
RSS-133 Issue 6:2013+A1:2018		ANSI C63.26:2015	
		RSS-133 Issue 6:2013+A1:2018	
COMMENTS			
All measurement path losses accounted for in the reference level offset including any attenuators, filters, and DC blocks. Band 25 carriers enabled at maximum power is 80 watts/carrier.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Value	Value
		99% (kHz)	26dB (kHz)
			Limit
			Result
Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Stand Alone			
Port 1			
200 kHz Bandwidth			
N-TM			
	Low Channel, 1930.2 MHz	196	278
	Mid Channel, 1962.5 MHz	196	279
	High Channel, 1994.8 MHz	196	279
			Within Band
			Pass
			Pass
			Pass

OCCUPIED BANDWIDTH - STAND ALONE

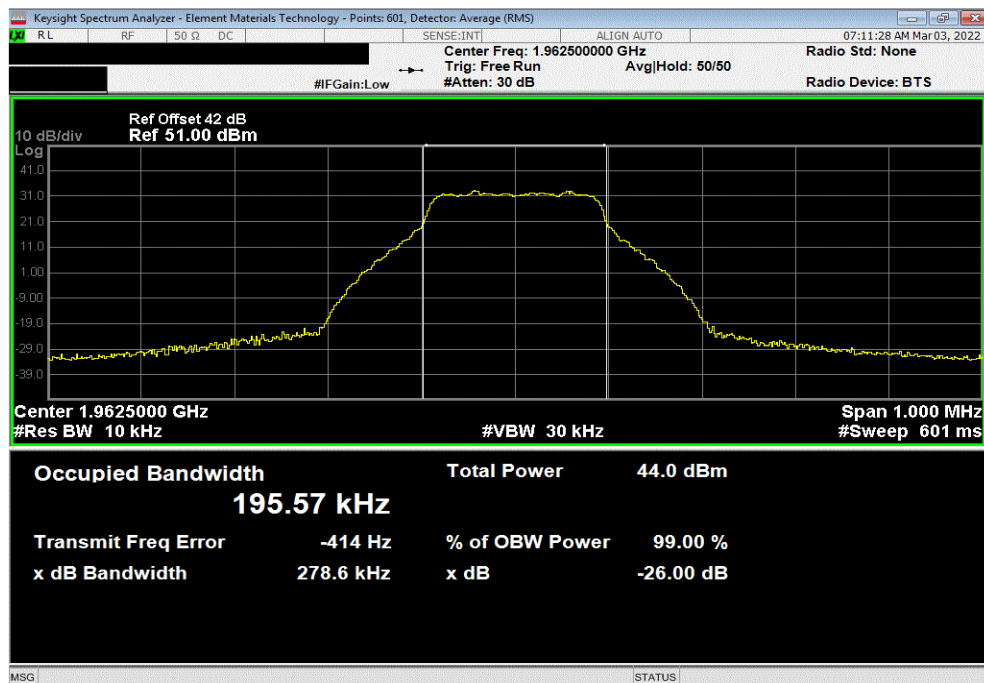


TbTx 2021.12.14.1 XbTx 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, Low Channel, 1930.2 MHz							
			Value	Value			
			99% (kHz)	26dB (kHz)	Limit		Result
			196	278	Within Band		Pass



Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, Mid Channel, 1962.5 MHz							
			Value	Value			
			99% (kHz)	26dB (kHz)	Limit		Result
			196	279	Within Band		Pass

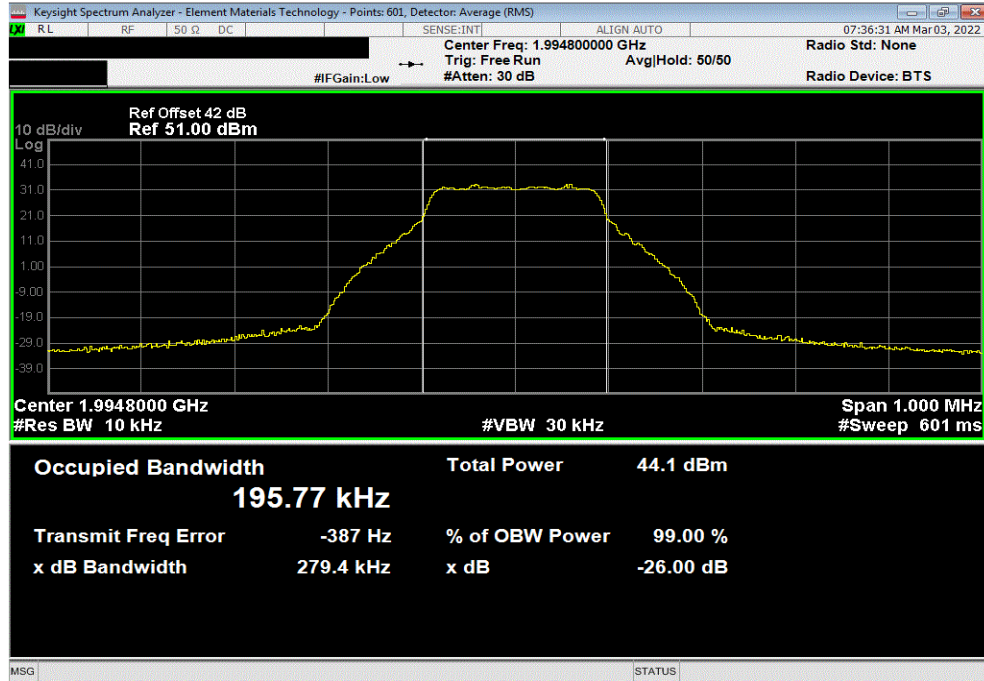


OCCUPIED BANDWIDTH - STAND ALONE



TbTx 2021.12.14.1 XMit 2022.02.07.0

Band 25, 1930 MHz - 1995 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, High Channel, 1994.8 MHz							
		Value		Value		Limit	
		99% (kHz)		26dB (kHz)			
		196		279		Within Band	
						Pass	



OCCUPIED BANDWIDTH - STAND ALONE



TstTx 2021.12.14.1 XMIT 2022.02.07.0

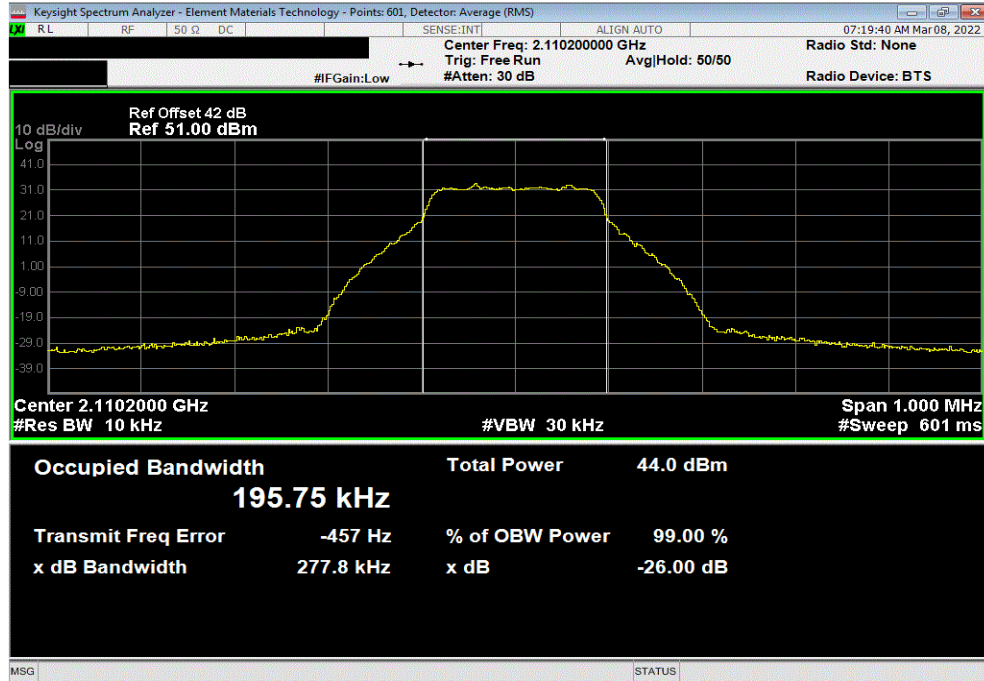
EUT: AHFII Remote Radio Head		Work Order: NOKI0037	
Serial Number: YK214000036		Date: 28-Feb-22	
Customer: Nokia Solutions and Networks		Temperature: 22.6 °C	
Attendees: David Le, John Rattanavong		Humidity: 23.7% RH	
Project: None		Barometric Pres.: 1026 mbar	
Tested by: Mark Baytan	Power: 54 VDC	Job Site: TX09	
TEST SPECIFICATIONS			
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 losses accounted for in the reference level offset including any attenuators, filters, and DC blocks. Band 66 carriers enabled at maximum power is 80 watts/carrier.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Value 99% (kHz)	Value 26dB (kHz)
Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Stand Alone		Limit	Result
Port 1			
200 kHz Bandwidth			
N-TM			
Low Channel, 2110.2 MHz		195	278
Mid Channel, 2155 MHz		196	278
High Channel, 2199.8 MHz		196	279
		Within Band	Pass
		Within Band	Pass
		Within Band	Pass

OCCUPIED BANDWIDTH - STAND ALONE

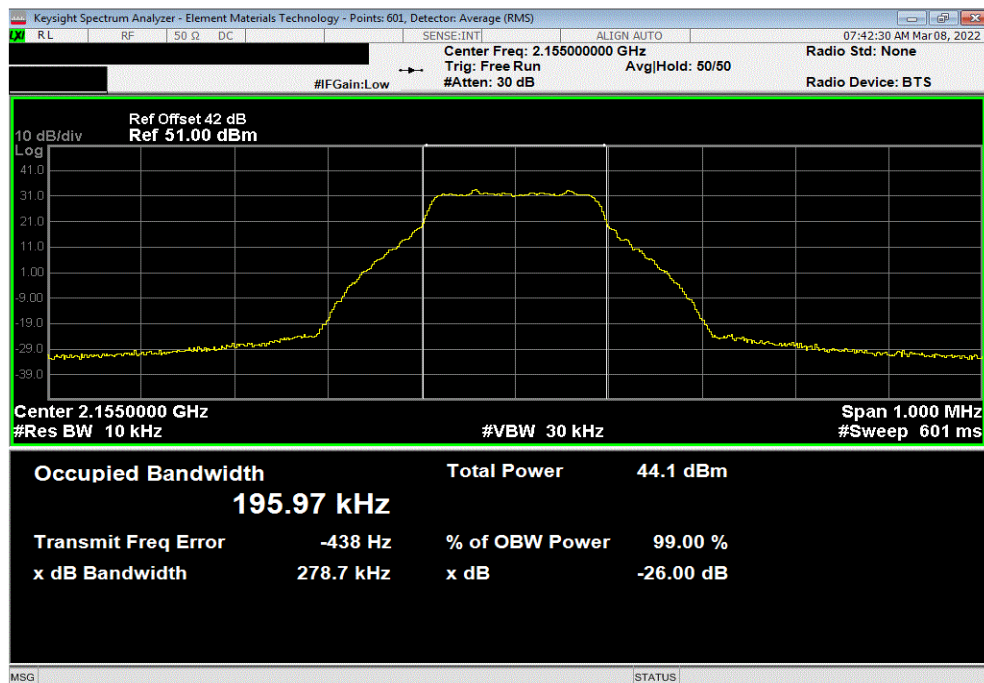


TbTx 2021.12.14.1 XbTx 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, Low Channel, 2110.2 MHz							
			Value	Value	Limit	Result	
			99% (kHz)	26dB (kHz)			
			195	278	Within Band	Pass	



Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, Mid Channel, 2155 MHz							
			Value	Value	Limit	Result	
			99% (kHz)	26dB (kHz)			
			196	278	Within Band	Pass	



OCCUPIED BANDWIDTH - STAND ALONE



TbTx 2021.12.14.1 XMIT 2022.02.07.0

Band 66, 2110 MHz - 2200 MHz, LTE Narrow Band IoT Stand Alone, Port 1, 200 kHz Bandwidth, N-TM, High Channel, 2199.8 MHz						
	Value	Value	Limit	Result		
	99% (kHz)	26dB (kHz)				
	196	279	Within Band	Pass		

