

BAND EDGE COMPLIANCE - Band n25

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	SD3239	ANC	2022-03-02	2023-03-02
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 $[-10 \cdot \log(4)]$ 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 $[-13 \text{ dBm} - 10 \log(4)]$ 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.

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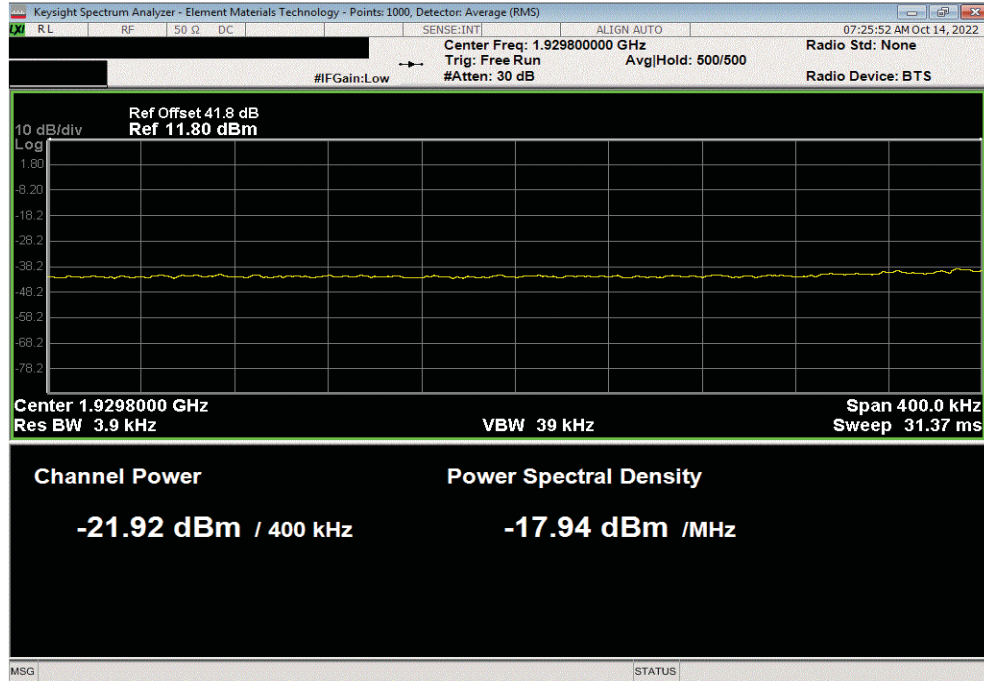
EUT: AHFII (FCC/ISED C2PC)		Work Order: NOKI0050			
Serial Number: K9181401111		Date: 17-Oct-22			
Customer: Nokia of America Corporation		Temperature: 21.4 °C			
Attendees: Mitchell Hill		Humidity: 42.4% RH			
Project: None		Barometric Pres.: 1025 mbar			
Tested by: Brandon Hobbs		Power: 54 VDC			
		Job Site: TX07			
TEST SPECIFICATIONS		Test Method			
FCC 24E:2022		ANSI C63.26:2015			
RSS-133 Issue 6:2013+A1:2018		ANSI C63.26:2015			
COMMENTS					
All measurement path losses were accounted for in the reference level offest including any attenuators, filters and DC blocks. Band n25 carriers are enabled at maximum power (80 watts/carrier). Due to unexpected hardware issues with port 1 testing was moved to port 3					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	2	Signature 			
		Frequency Range	Max Val (dBm)	Limit (dBm)	Result
Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz					
40 MHz					
QPSK					
	Low Channel, 1950 MHz	1	-21.9	-19	Pass
	Low Channel, 1950 MHz	2	-22.3	-19	Pass
	Low Channel, 1950 MHz	3	-22.3	-19	Pass
	Low Channel, 1950 MHz	4	-21.0	-19	Pass
	Low Channel, 1950 MHz	5	-22.3	-19	Pass
	High Channel, 1975 MHz	1	-20.9	-19	Pass
	High Channel, 1975 MHz	2	-21.3	-19	Pass
	High Channel, 1975 MHz	3	-21.4	-19	Pass
	High Channel, 1975 MHz	4	-20.1	-19	Pass
	High Channel, 1975 MHz	5	-20.2	-19	Pass
16QAM					
	Low Channel, 1950 MHz	1	-21.7	-19	Pass
	Low Channel, 1950 MHz	2	-22.0	-19	Pass
	Low Channel, 1950 MHz	3	-21.8	-19	Pass
	Low Channel, 1950 MHz	4	-20.7	-19	Pass
	Low Channel, 1950 MHz	5	-21.9	-19	Pass
	High Channel, 1975 MHz	1	-21.1	-19	Pass
	High Channel, 1975 MHz	2	-21.4	-19	Pass
	High Channel, 1975 MHz	3	-21.5	-19	Pass
	High Channel, 1975 MHz	4	-20.6	-19	Pass
	High Channel, 1975 MHz	5	-20.5	-19	Pass
64QAM					
	Low Channel, 1950 MHz	1	-21.0	-19	Pass
	Low Channel, 1950 MHz	2	-20.9	-19	Pass
	Low Channel, 1950 MHz	3	-21.5	-19	Pass
	Low Channel, 1950 MHz	4	-20.3	-19	Pass
	Low Channel, 1950 MHz	5	-20.2	-19	Pass
	High Channel, 1975 MHz	1	-20.9	-19	Pass
	High Channel, 1975 MHz	2	-21.3	-19	Pass
	High Channel, 1975 MHz	3	-21.3	-19	Pass
	High Channel, 1975 MHz	4	-20.1	-19	Pass
	High Channel, 1975 MHz	5	-20.4	-19	Pass
Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz					
40 MHz					
256QAM					
	Low Channel, 1950 MHz	1	-21.1	-19	Pass
	Low Channel, 1950 MHz	2	-21.4	-19	Pass
	Low Channel, 1950 MHz	3	-21.5	-19	Pass
	Low Channel, 1950 MHz	4	-19.7	-19	Pass
	Low Channel, 1950 MHz	5	-20.8	-19	Pass
	High Channel, 1975 MHz	1	-21.0	-19	Pass
	High Channel, 1975 MHz	2	-21.3	-19	Pass
	High Channel, 1975 MHz	3	-21.4	-19	Pass
	High Channel, 1975 MHz	4	-20.3	-19	Pass
	High Channel, 1975 MHz	5	-20.2	-19	Pass

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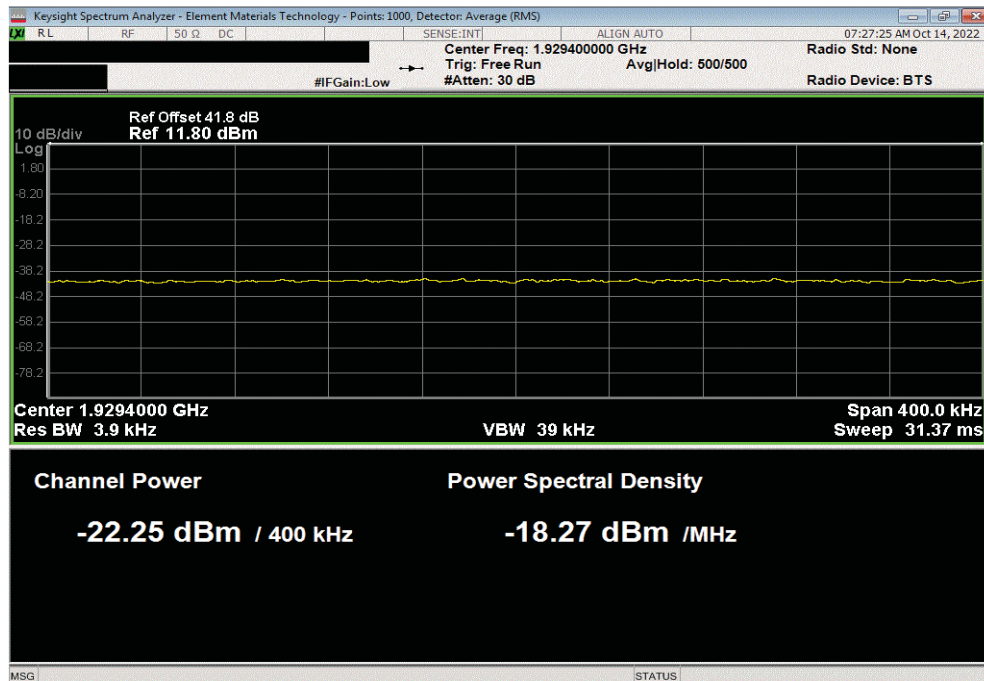


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.92	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-22.25	-19	Pass			

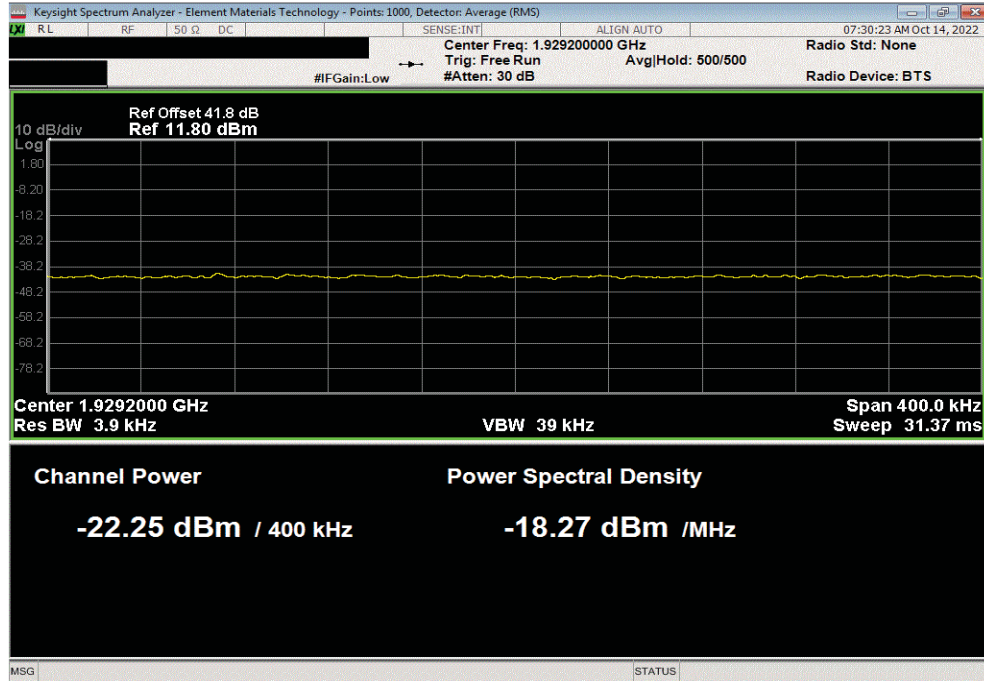


BAND EDGE COMPLIANCE - Band n25

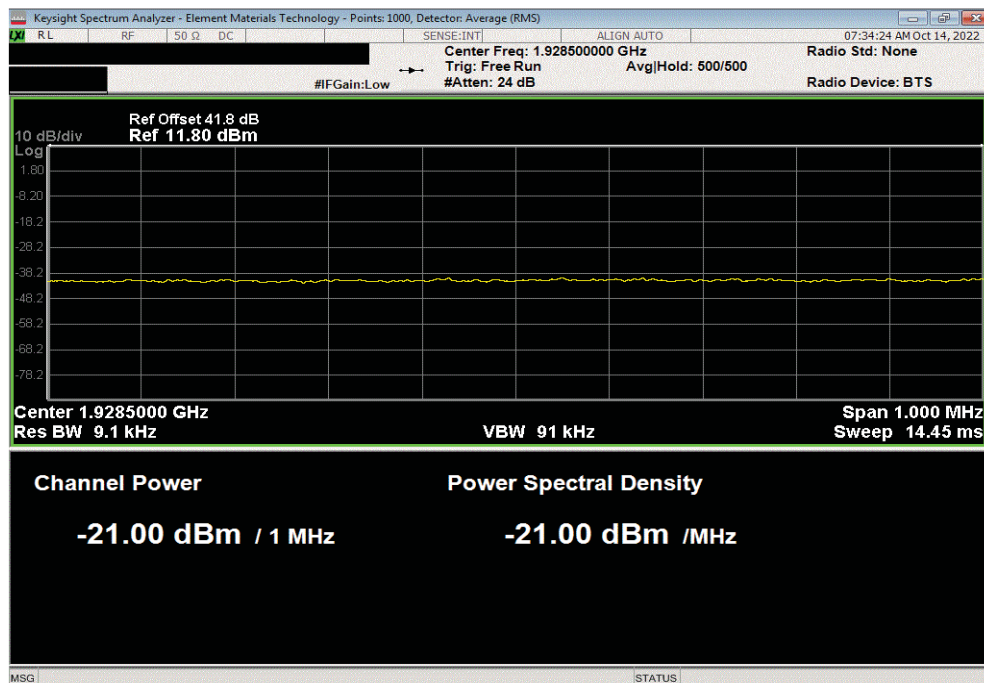


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-22.25	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.00	-19	Pass			

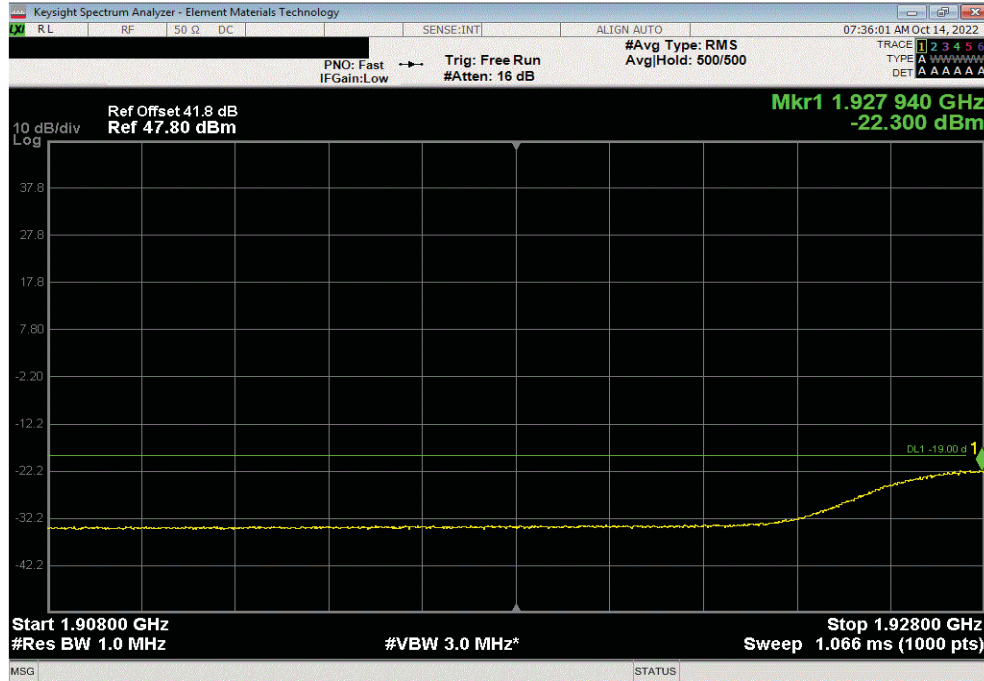


BAND EDGE COMPLIANCE - Band n25

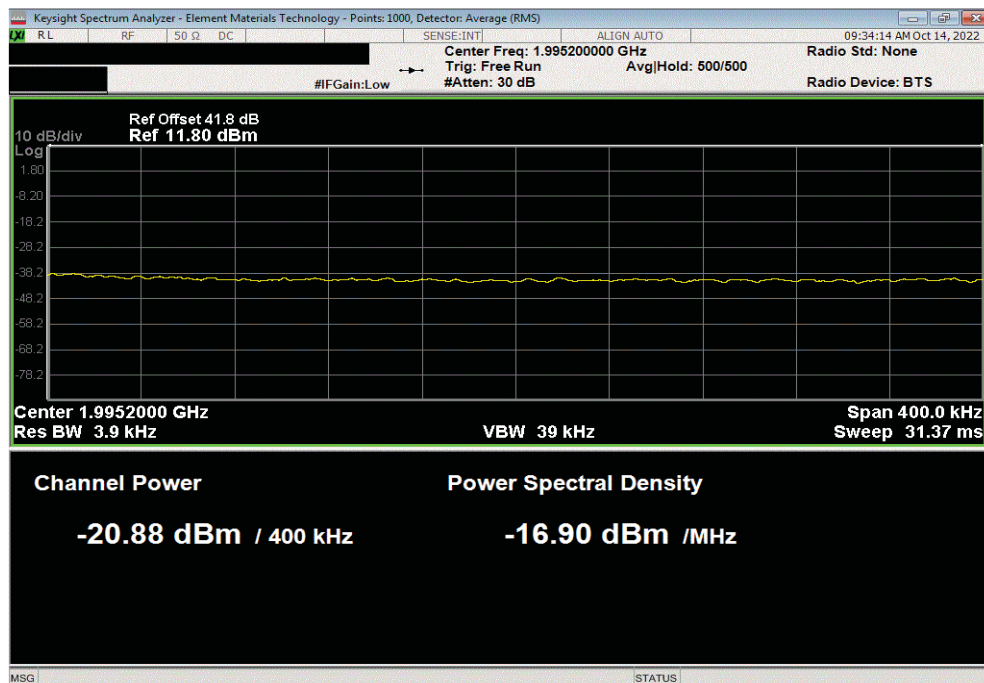


TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-22.30	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-20.88	-19	Pass			

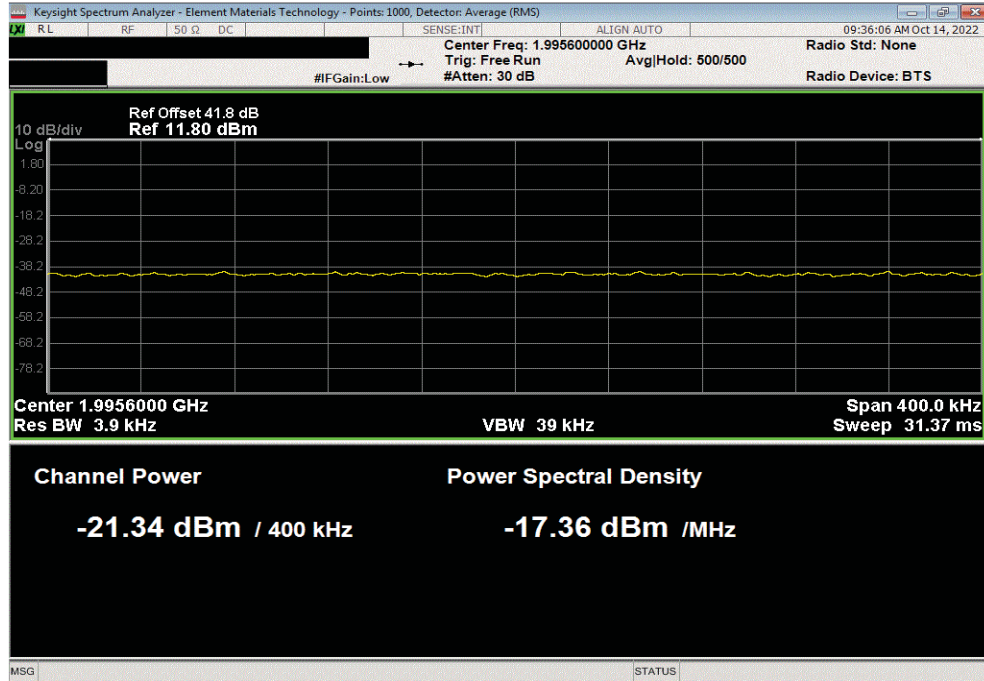


BAND EDGE COMPLIANCE - Band n25

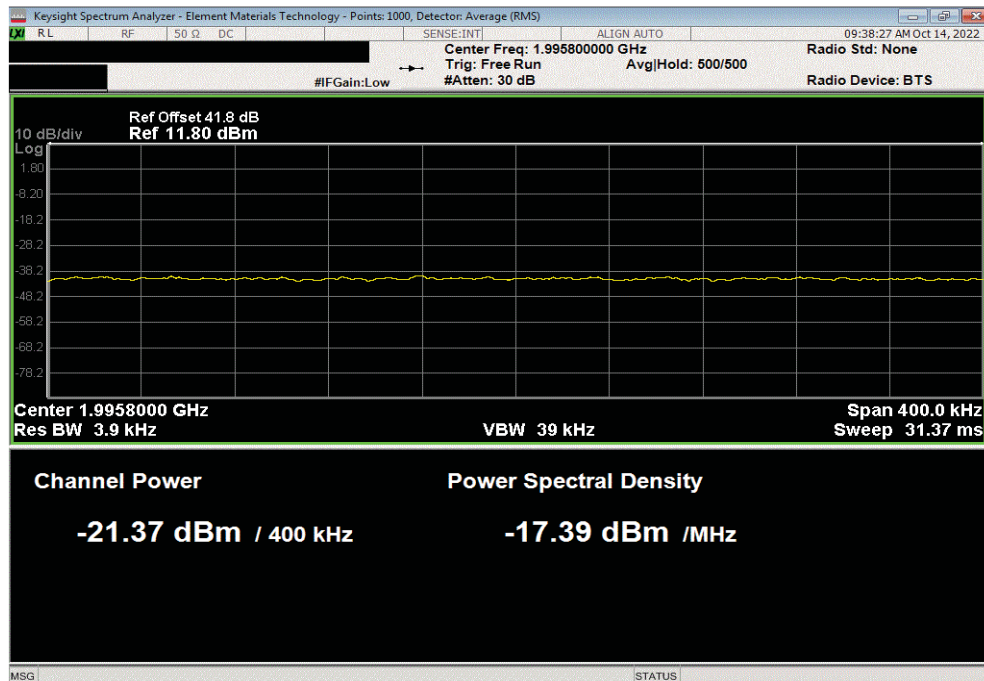


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.34	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.37	-19	Pass			

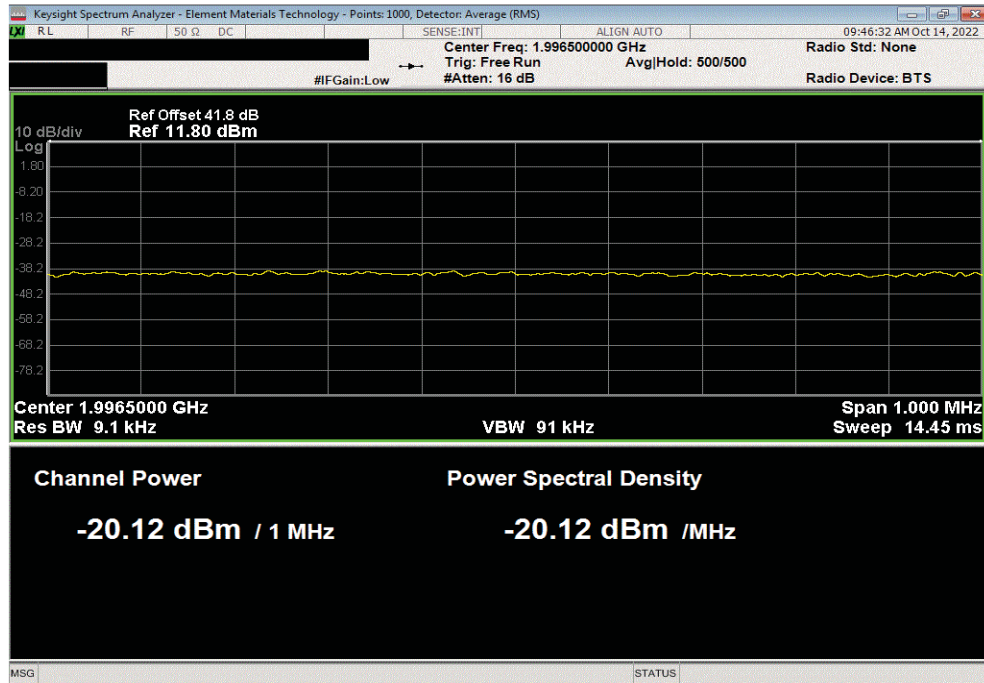


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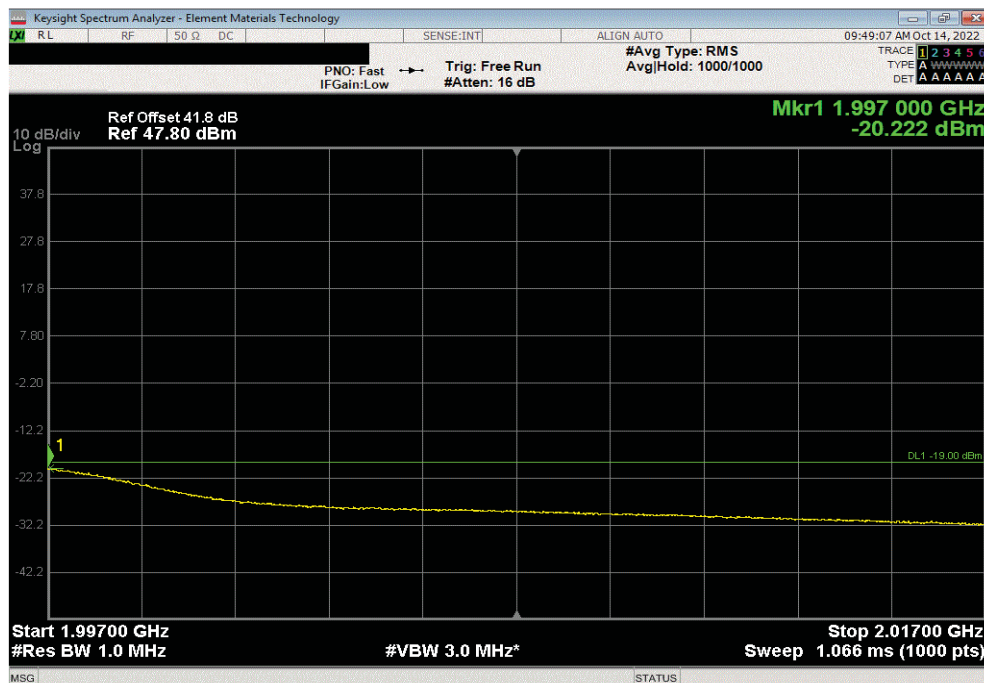


TbTx 2022.06.03.0 XMI 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, High Channel, 1975 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
4				-20.12	-19	Pass



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, QPSK, High Channel, 1975 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
5				-20.22	-19	Pass

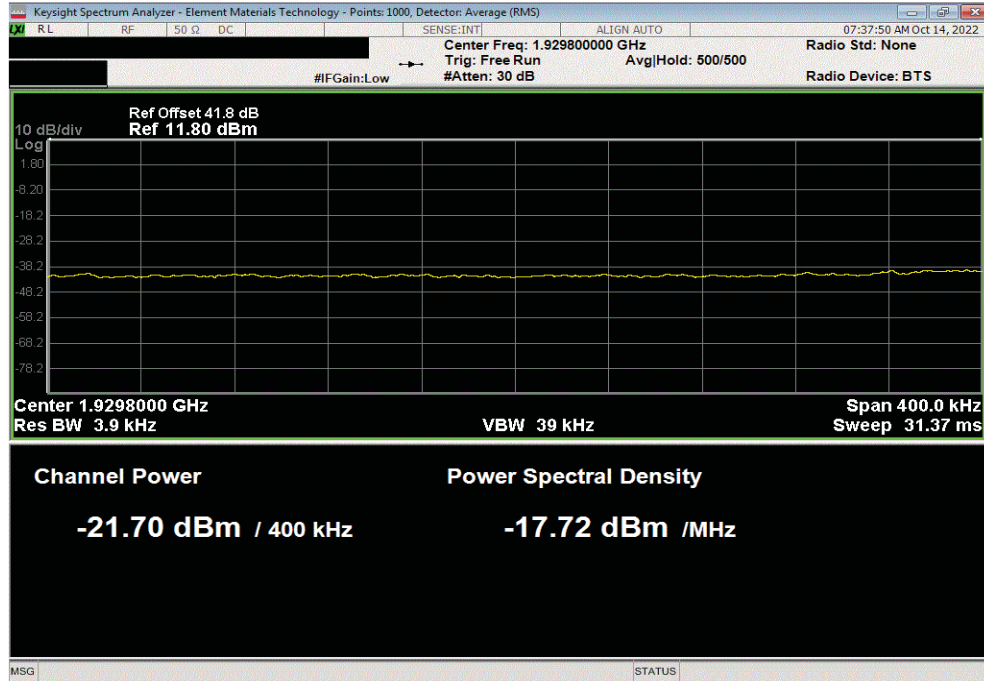


BAND EDGE COMPLIANCE - Band n25

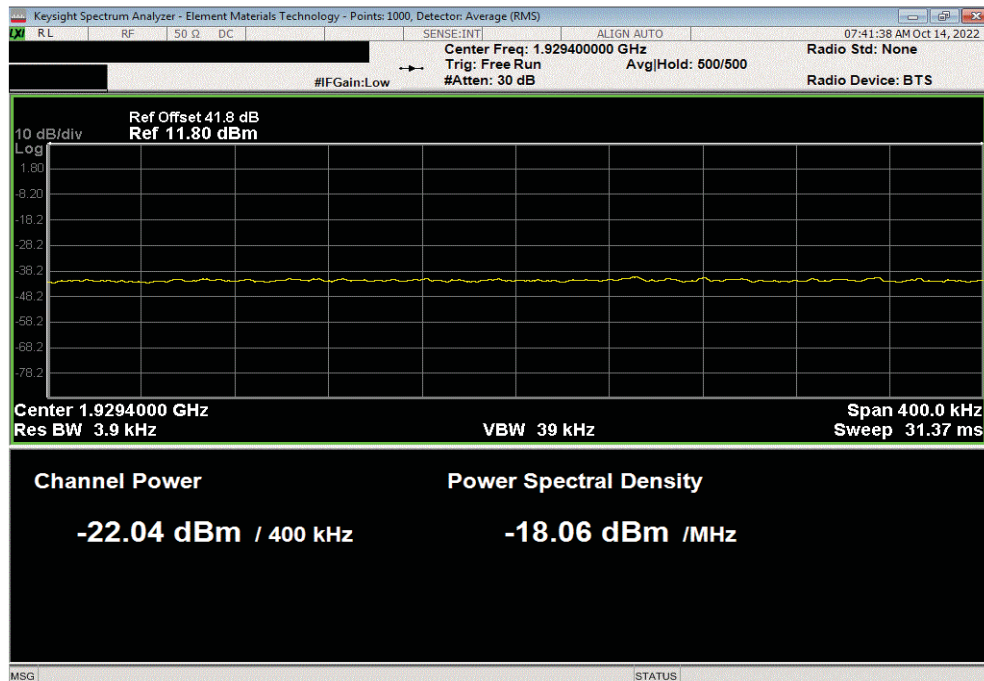


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.70	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-22.04	-19	Pass			

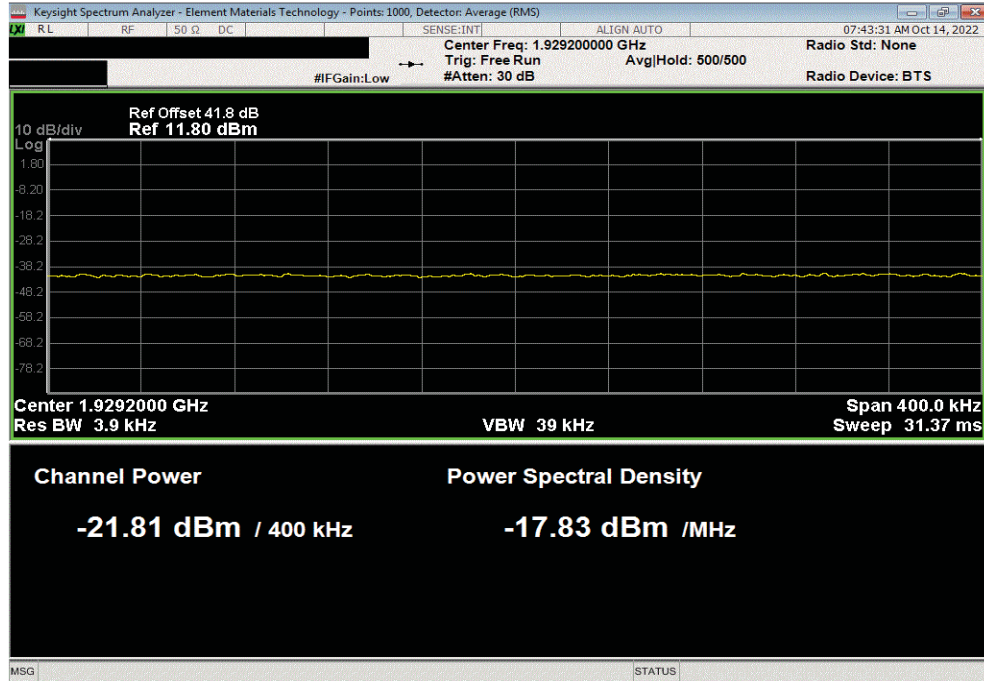


BAND EDGE COMPLIANCE - Band n25

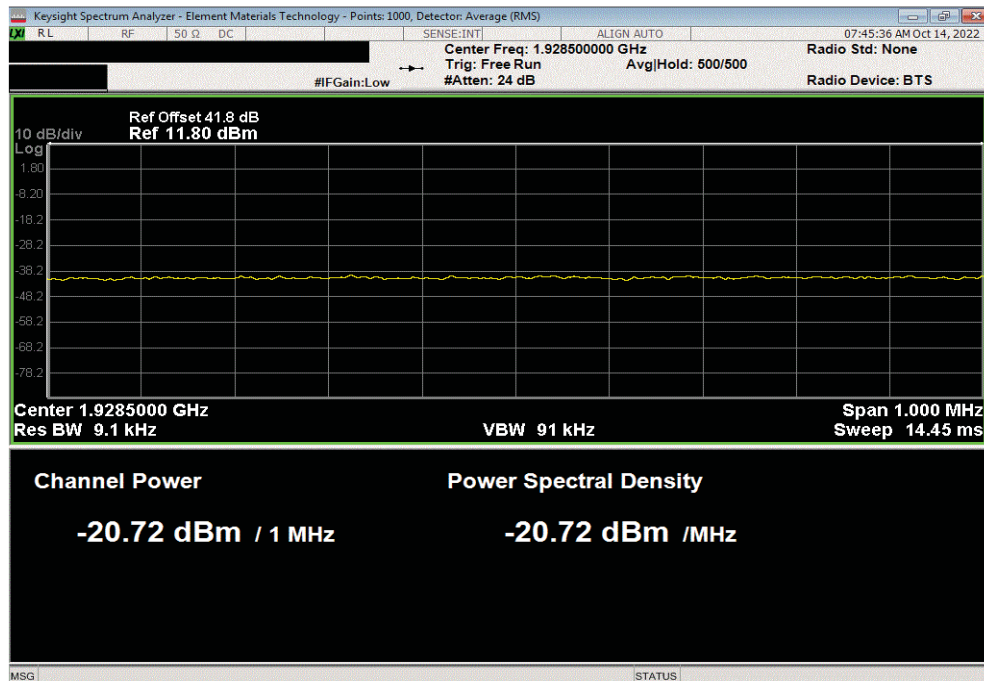


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.81	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-20.72	-19	Pass			

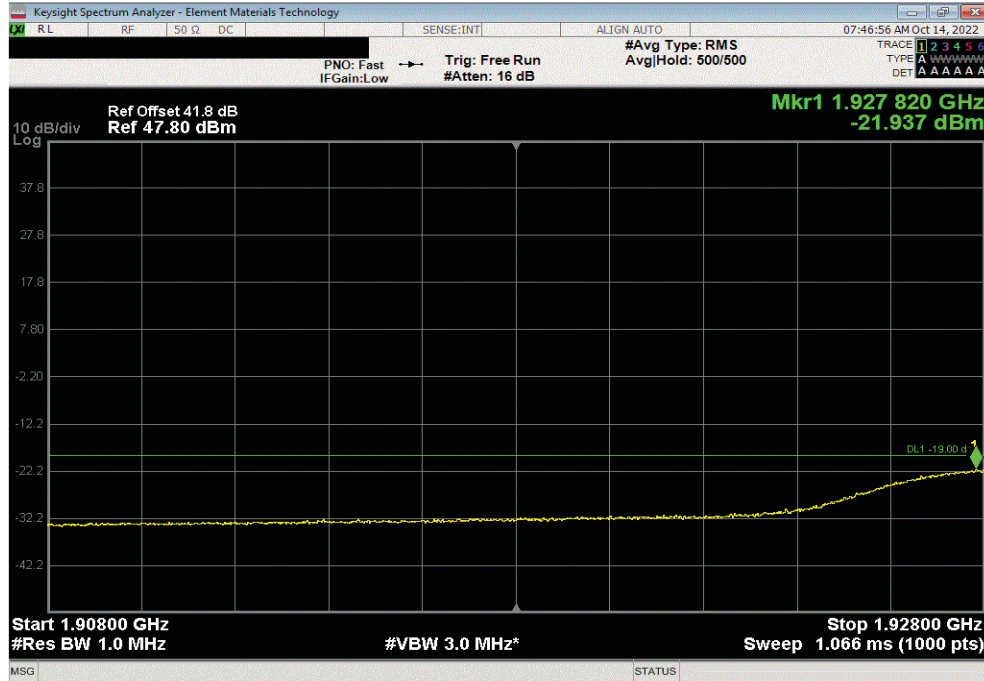


BAND EDGE COMPLIANCE - Band n25

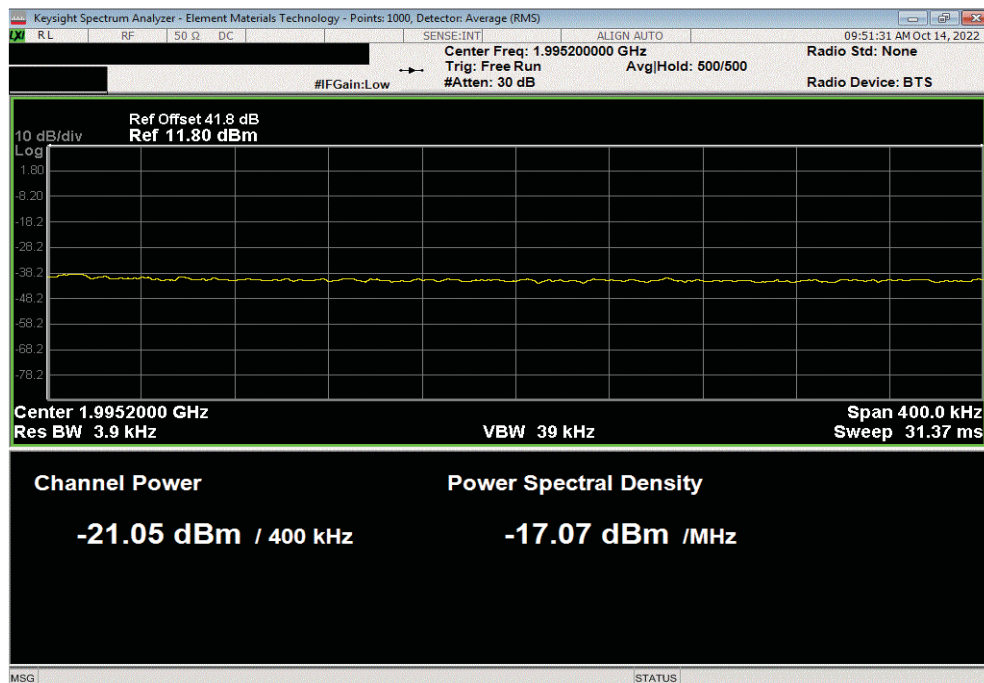


TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-21.94	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.05	-19	Pass			

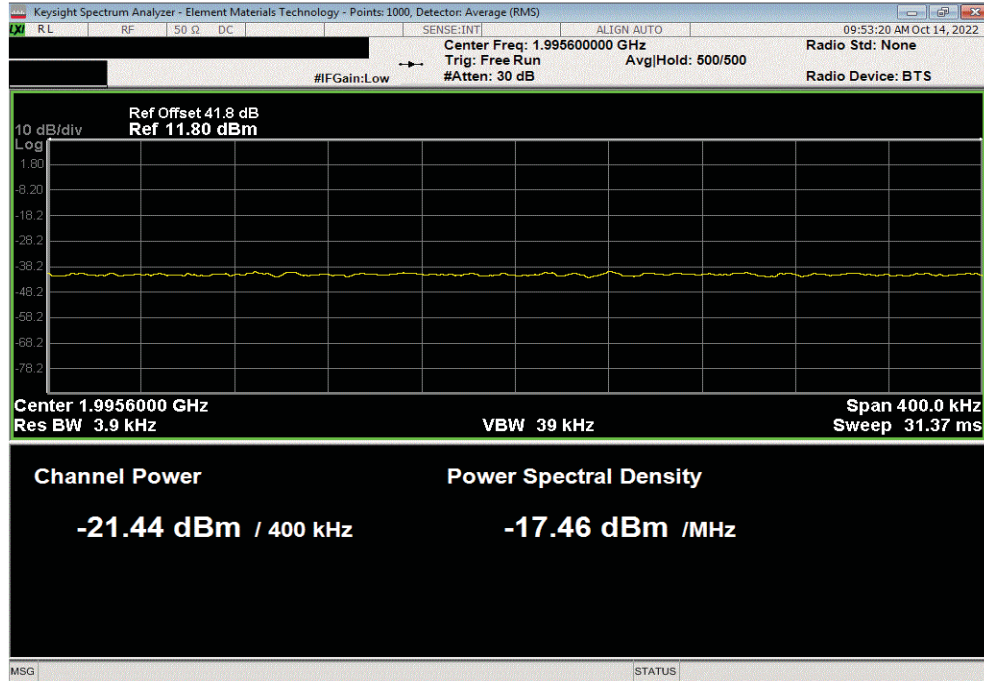


BAND EDGE COMPLIANCE - Band n25

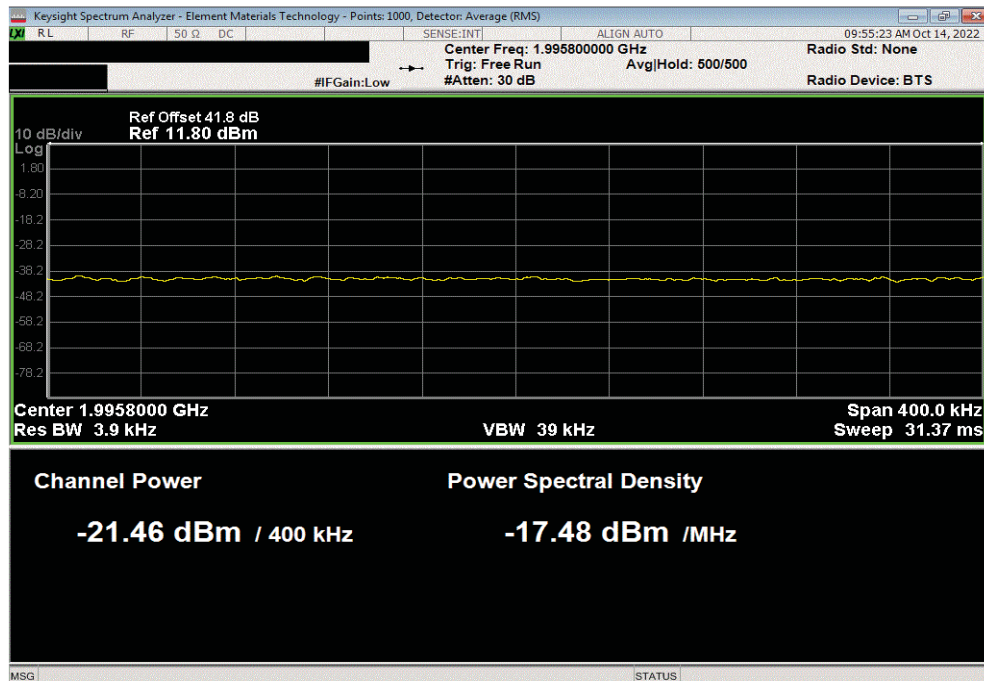


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.44	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.46	-19	Pass			

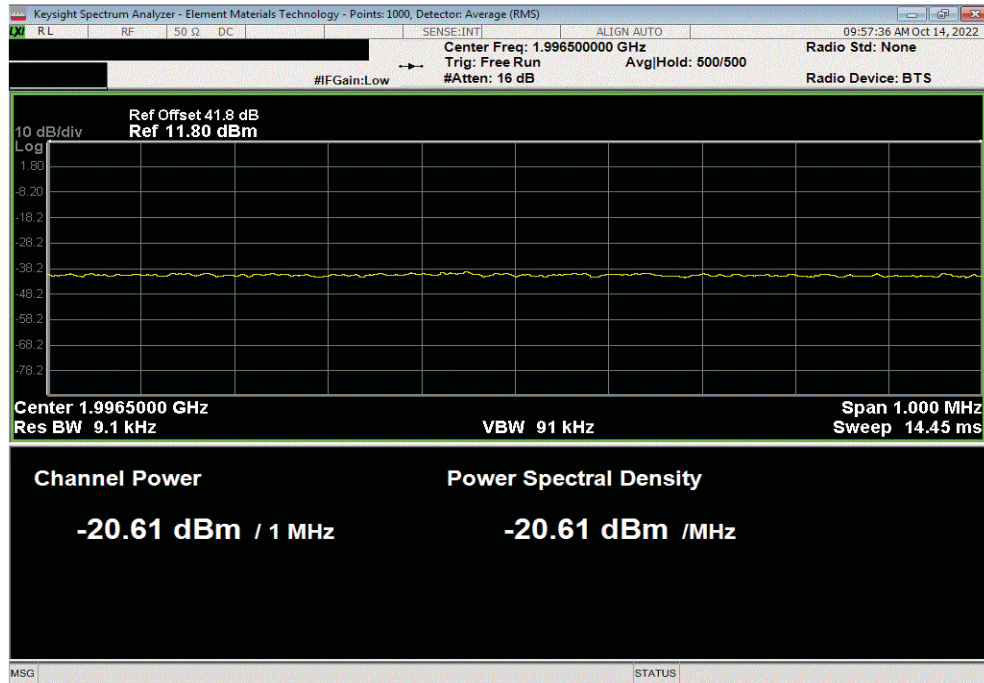


BAND EDGE COMPLIANCE - Band n25

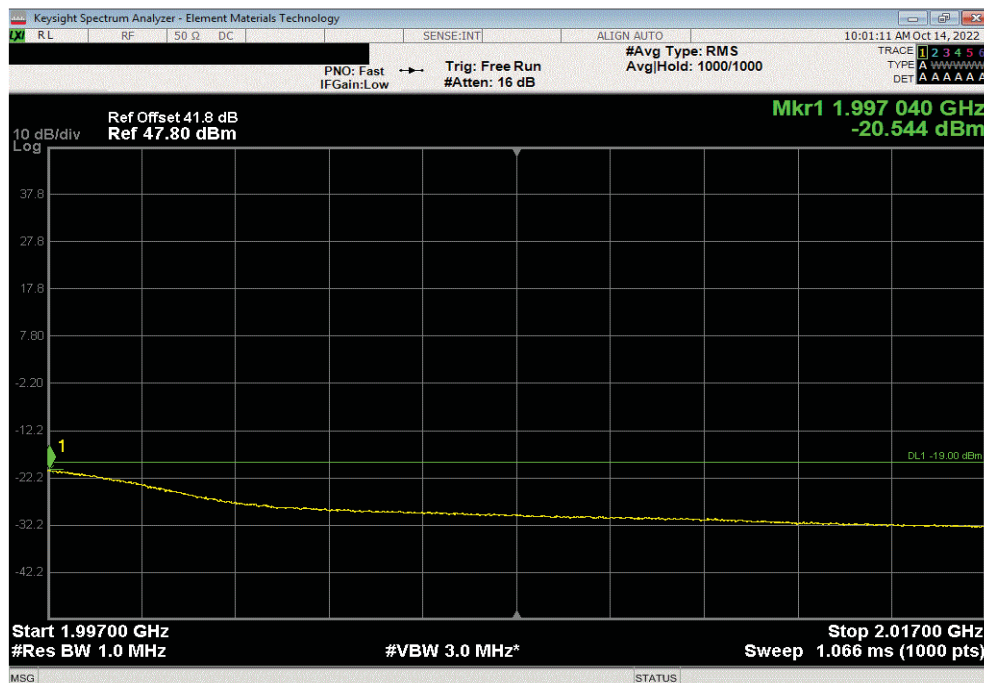


TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
4		-20.61		-19	Pass	



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 16QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
5		-20.54		-19	Pass	

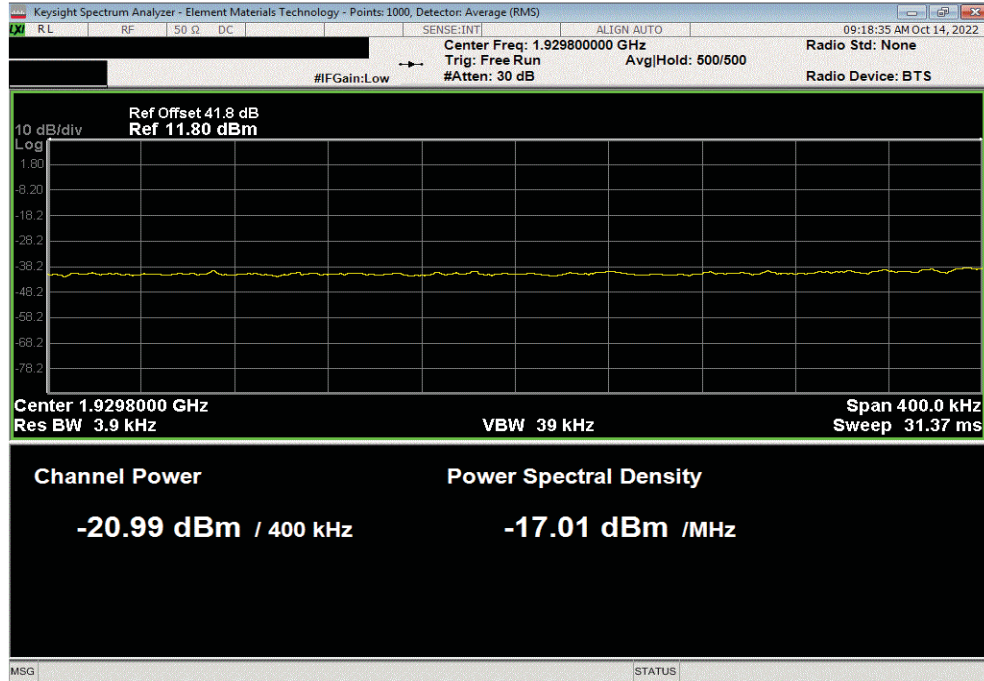


BAND EDGE COMPLIANCE - Band n25

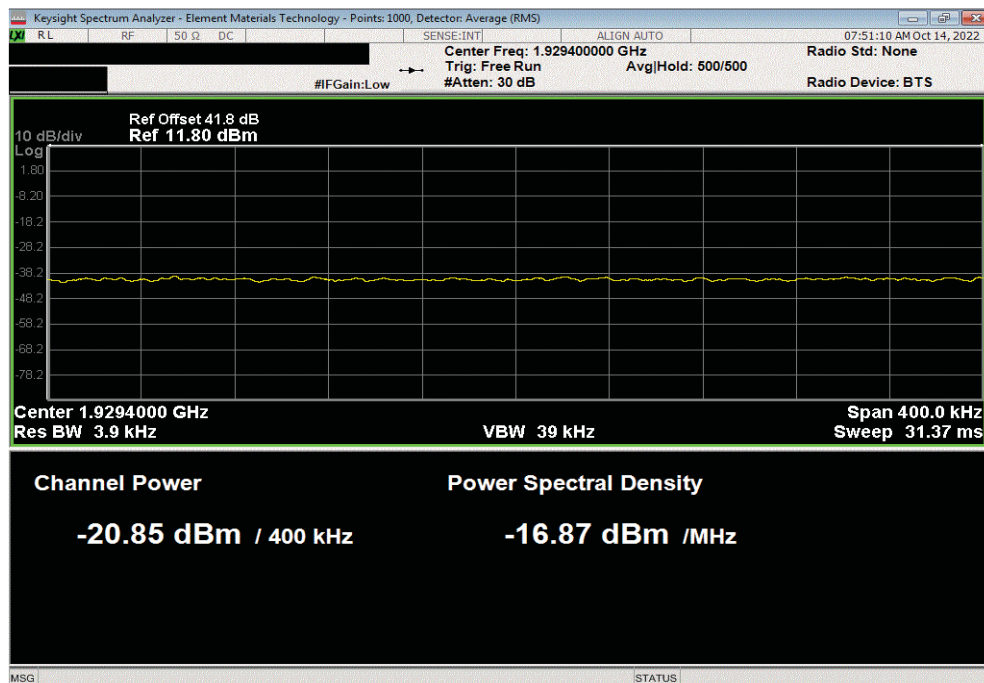


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-20.99	-19	Pass			



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-20.85	-19	Pass			

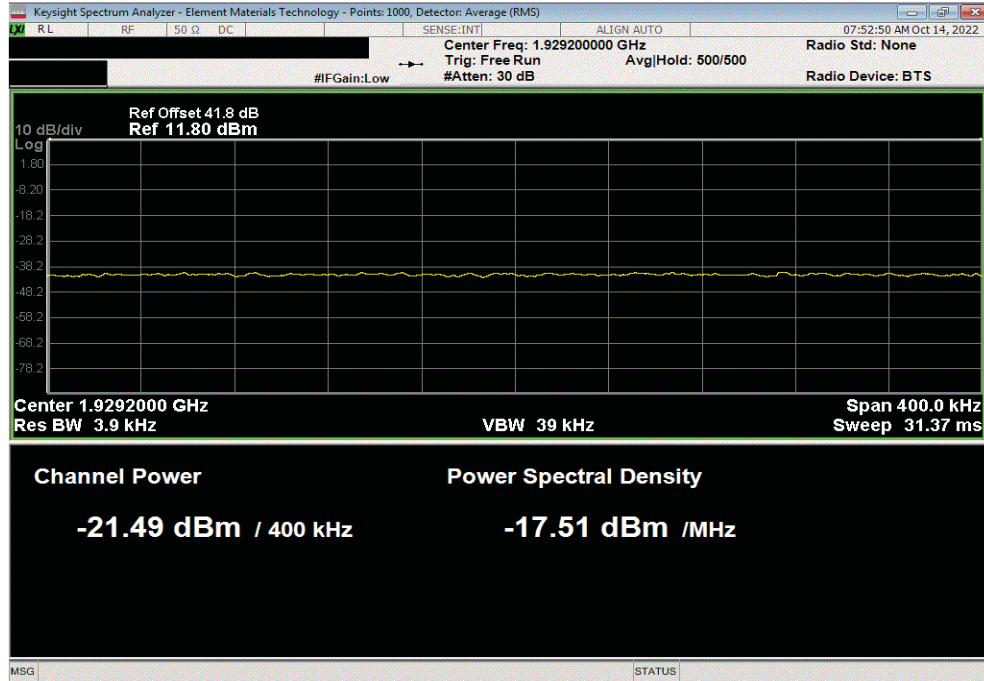


BAND EDGE COMPLIANCE - Band n25

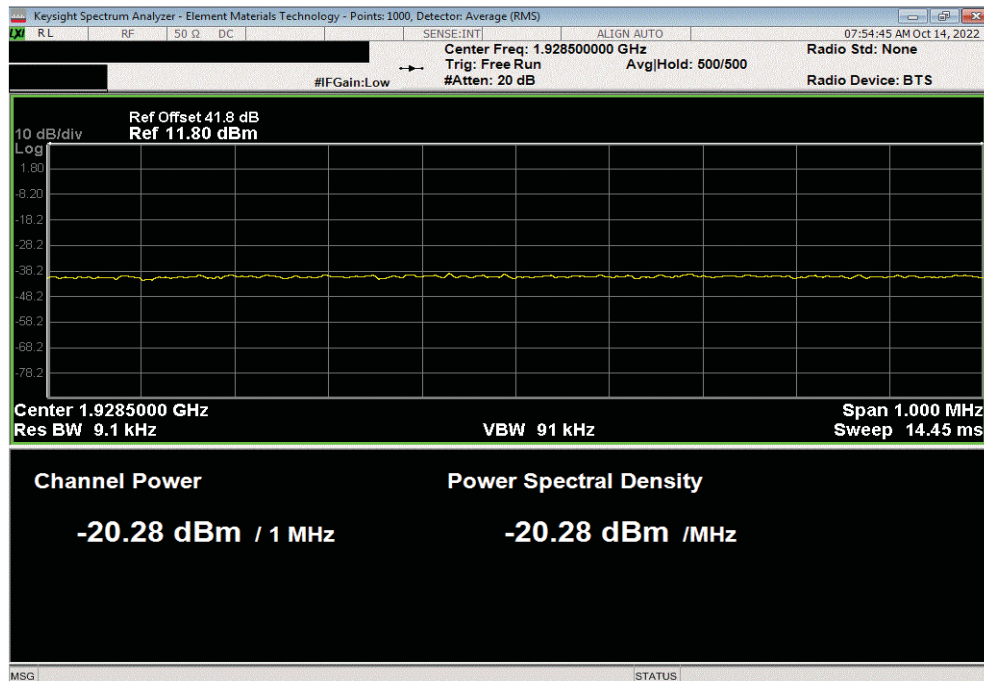


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, Low Channel, 1950 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
3				-21.49	-19	Pass



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, Low Channel, 1950 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
4				-20.28	-19	Pass

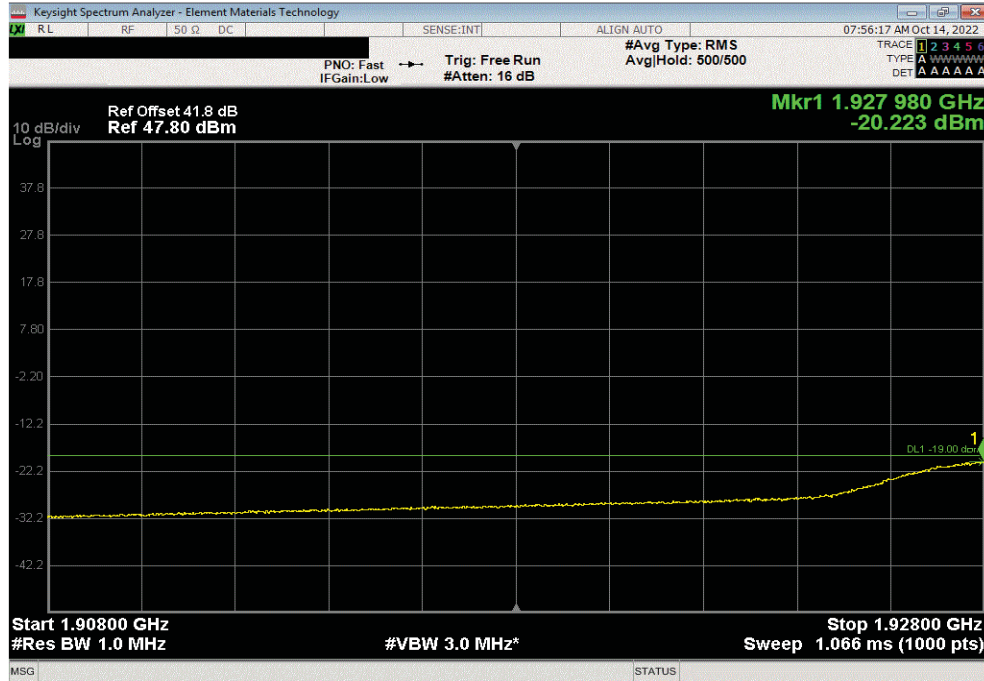


BAND EDGE COMPLIANCE - Band n25

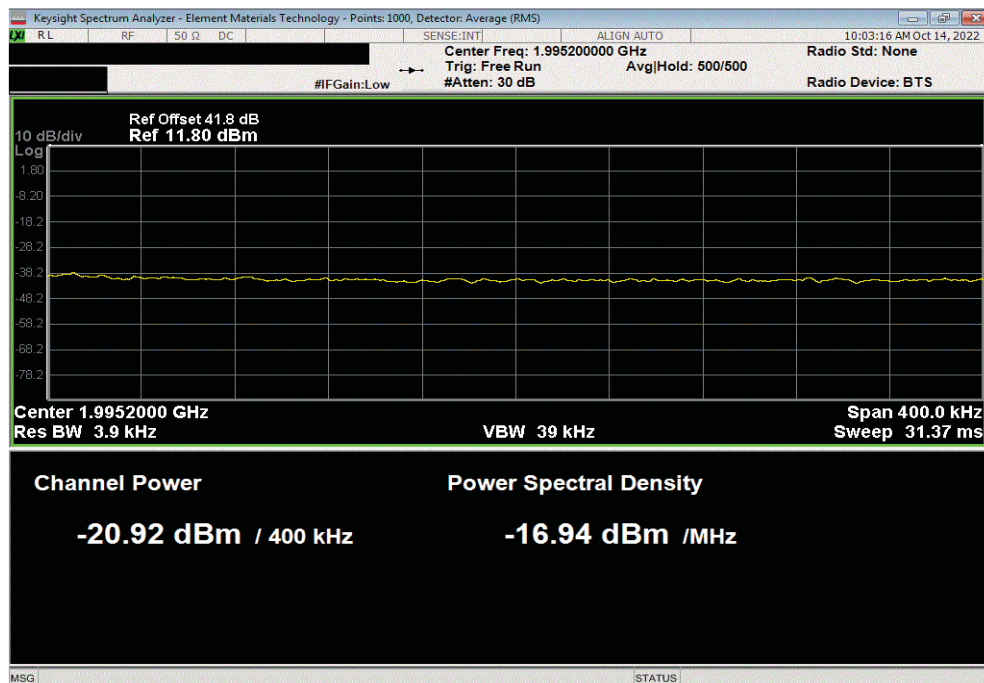


TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, Low Channel, 1950 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
5		-20.22		-19	Pass	



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
1		-20.92		-19	Pass	

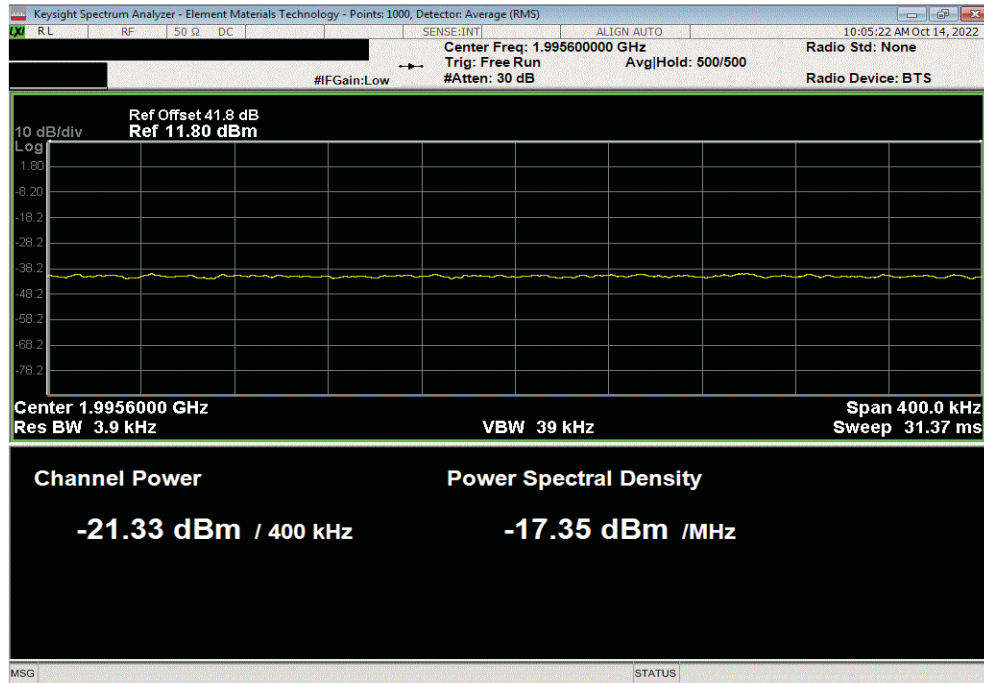


BAND EDGE COMPLIANCE - Band n25

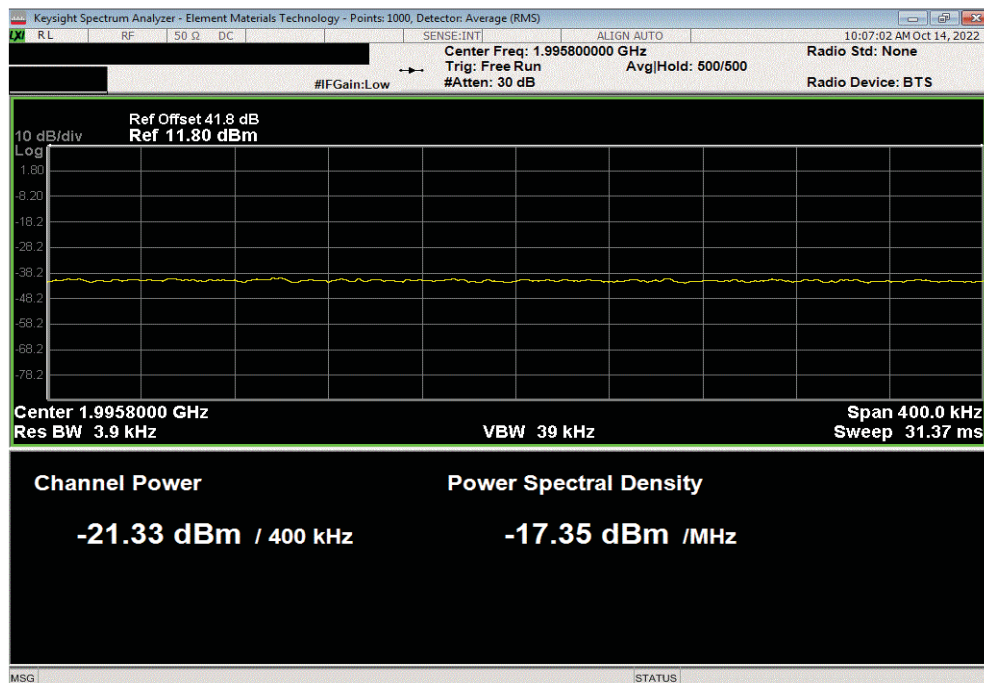


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
2		-21.33		-19		Pass



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
3		-21.33		-19		Pass

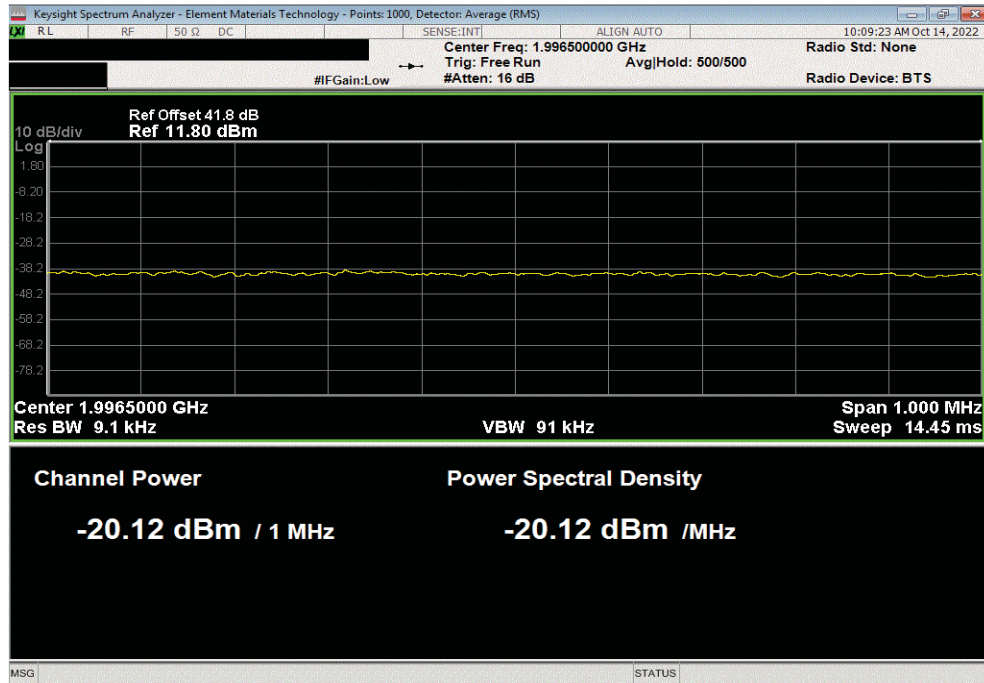


BAND EDGE COMPLIANCE - Band n25

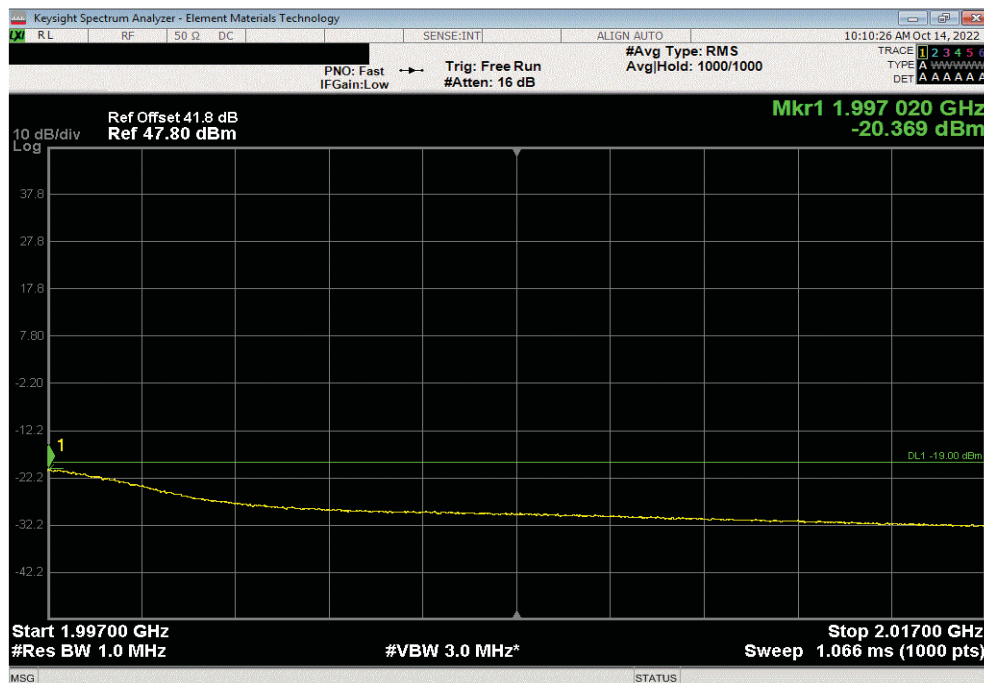


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
4		-20.12		-19		Pass



Port 1, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 64QAM, High Channel, 1975 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
5		-20.37		-19		Pass

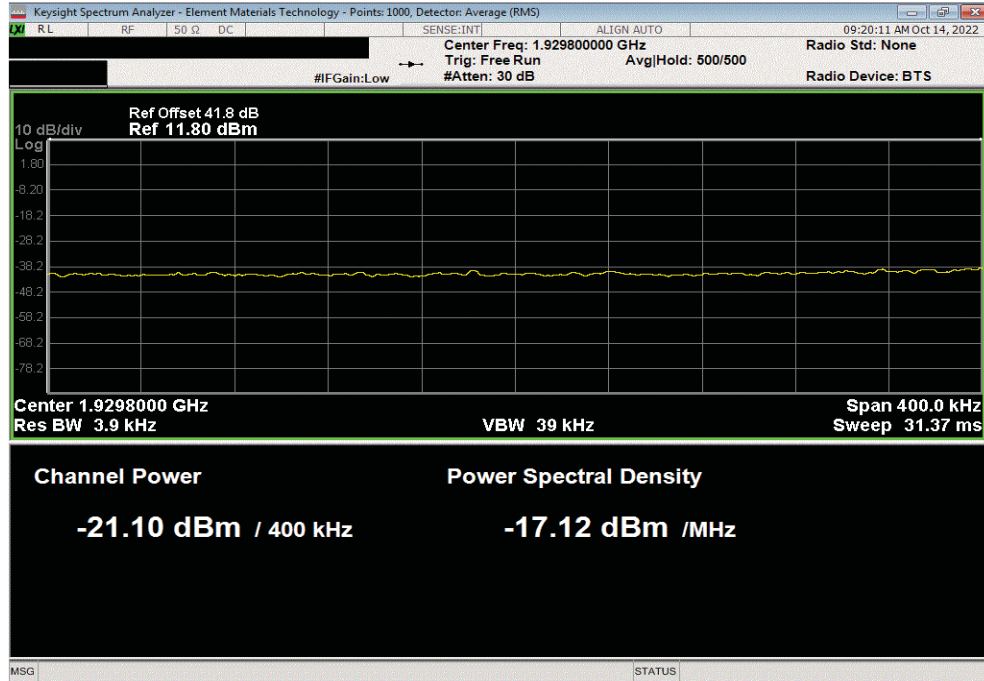


BAND EDGE COMPLIANCE - Band n25

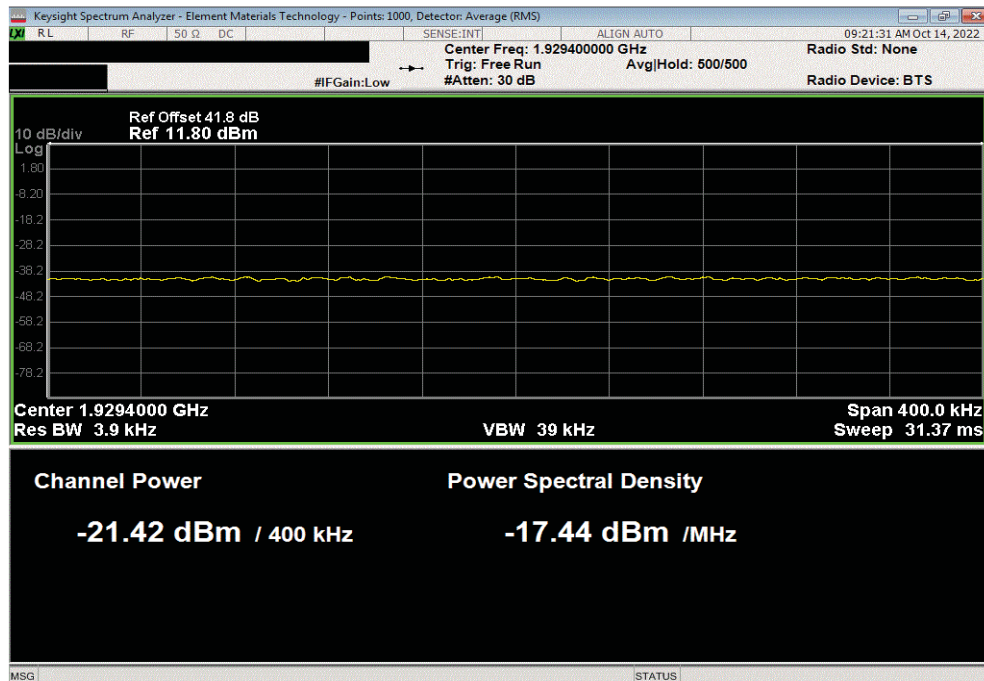


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, Low Channel, 1950 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
1		-21.10		-19	Pass	



Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, Low Channel, 1950 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)	Result	
2		-21.42		-19	Pass	

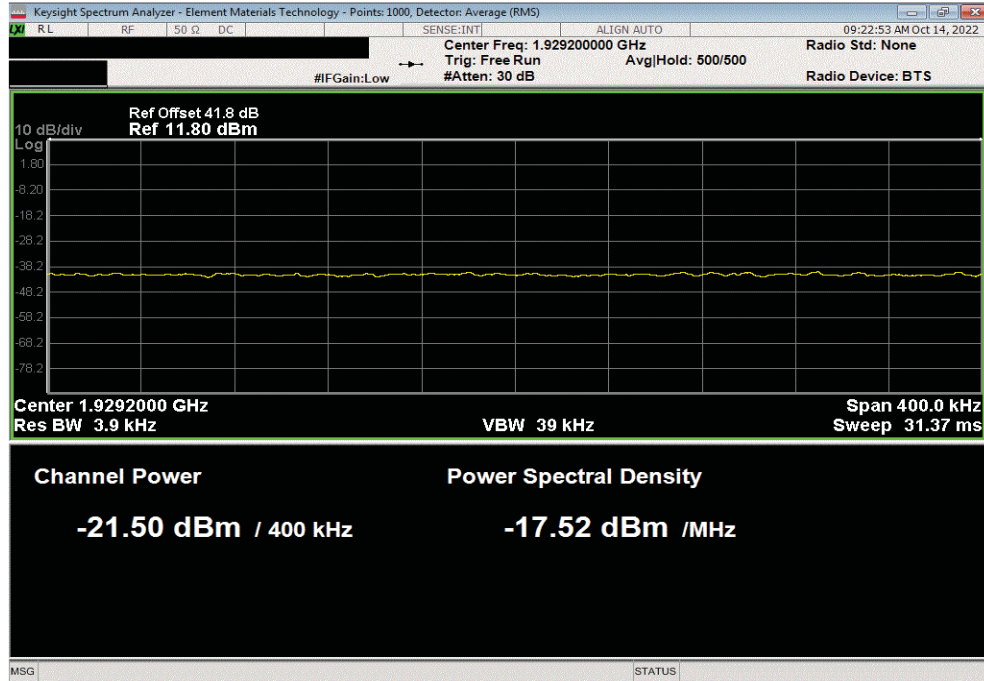


BAND EDGE COMPLIANCE - Band n25

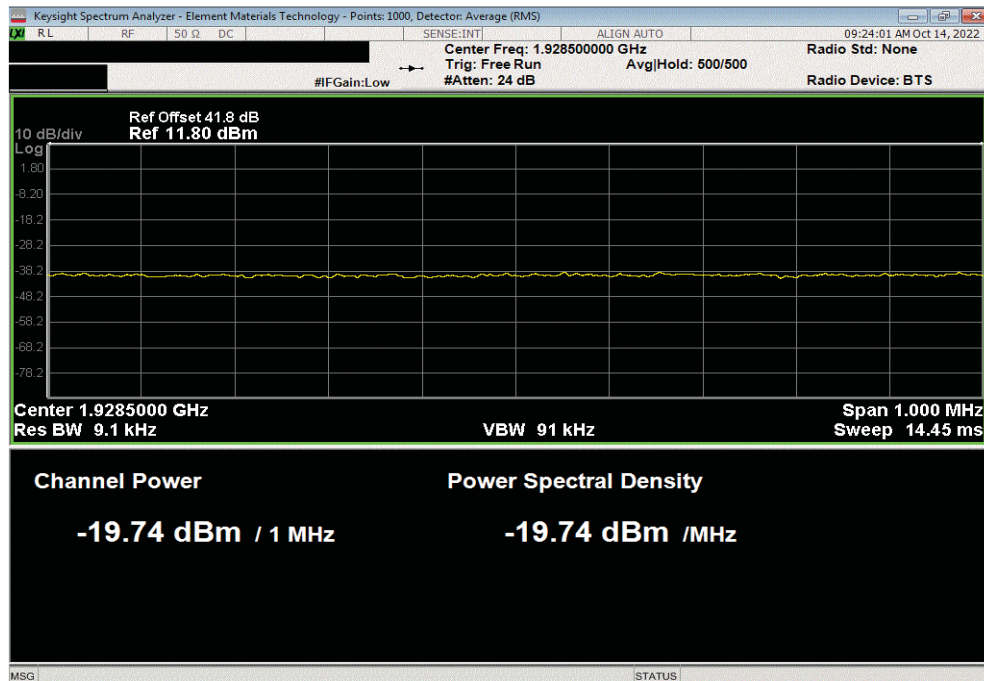


TbTx 2022.06.03.0 XMit 2022.02.07.0

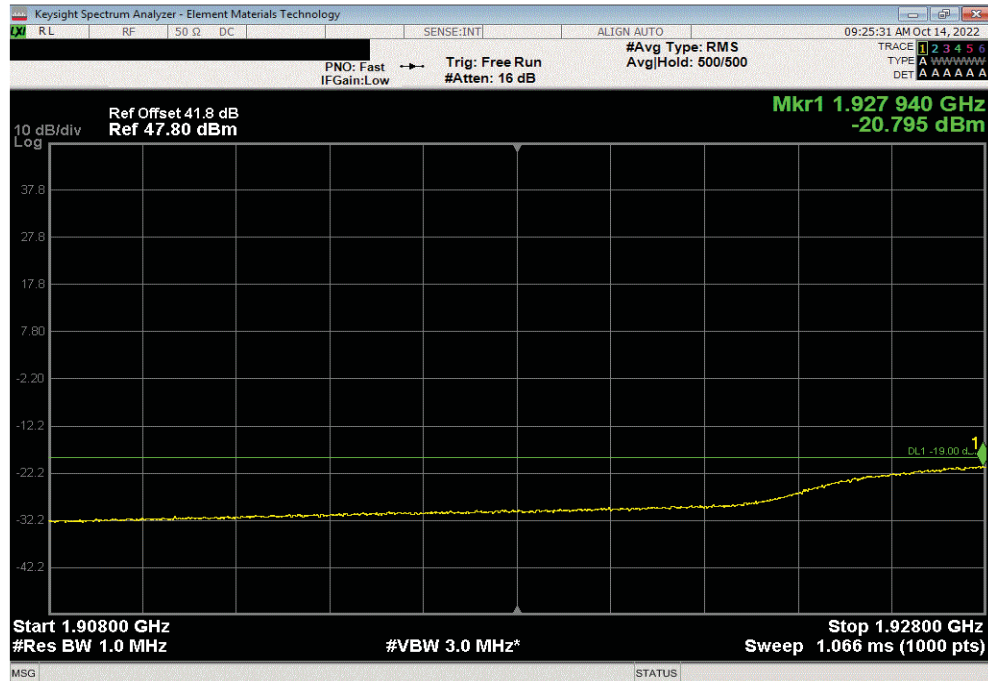
Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, Low Channel, 1950 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
3				-21.50	-19	Pass



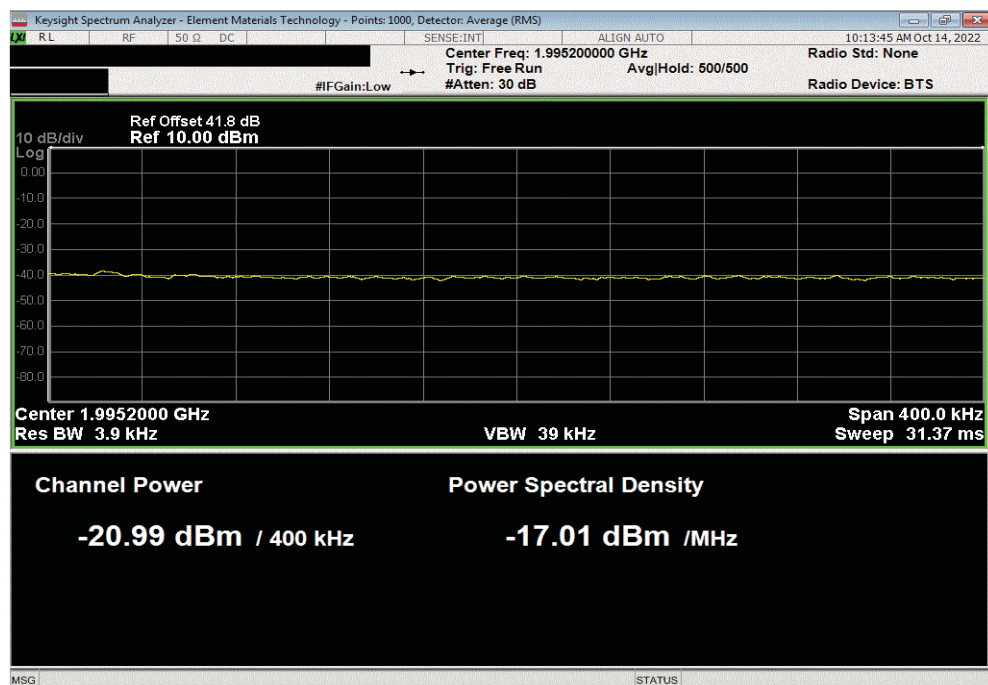
Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, Low Channel, 1950 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
4				-19.74	-19	Pass



Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, Low Channel, 1950 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.80	-19	Pass			



Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-20.99	-19	Pass			

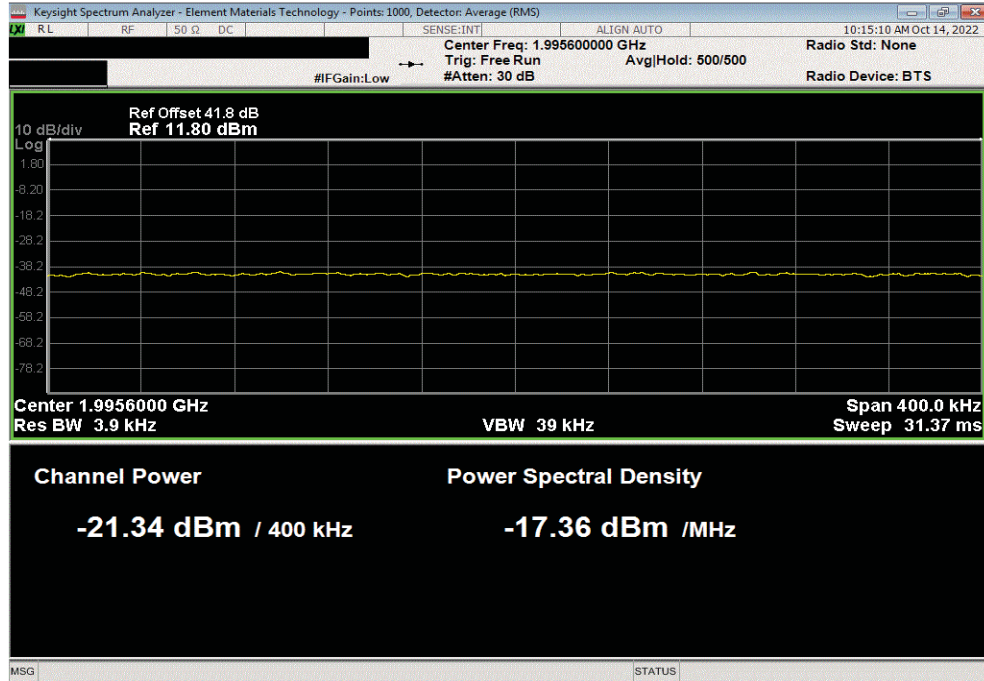


BAND EDGE COMPLIANCE - Band n25

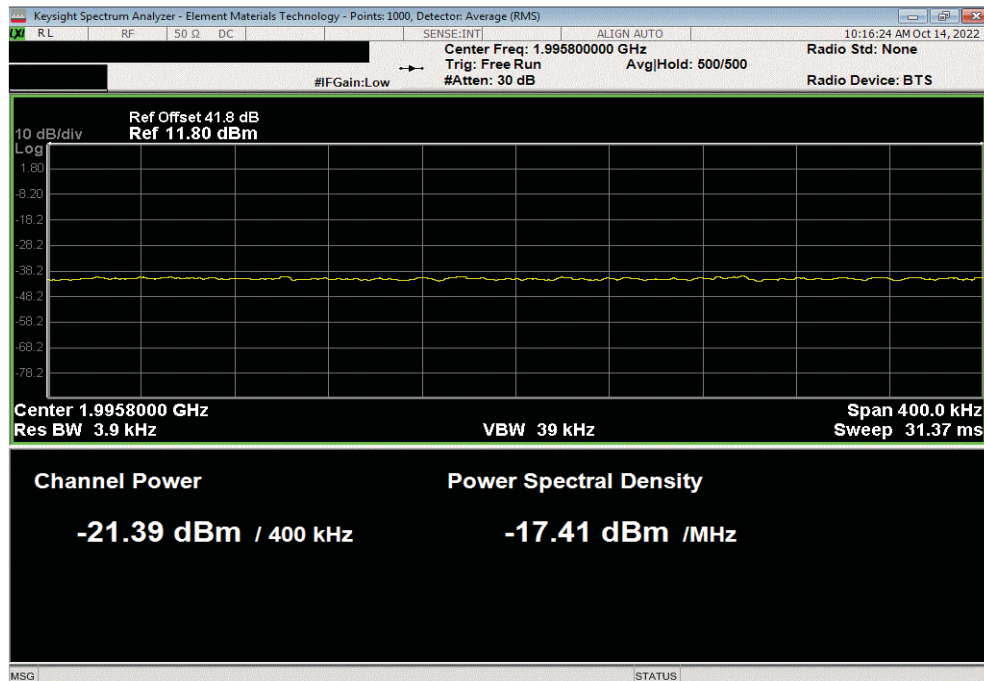


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.34	-19	Pass			



Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.39	-19	Pass			

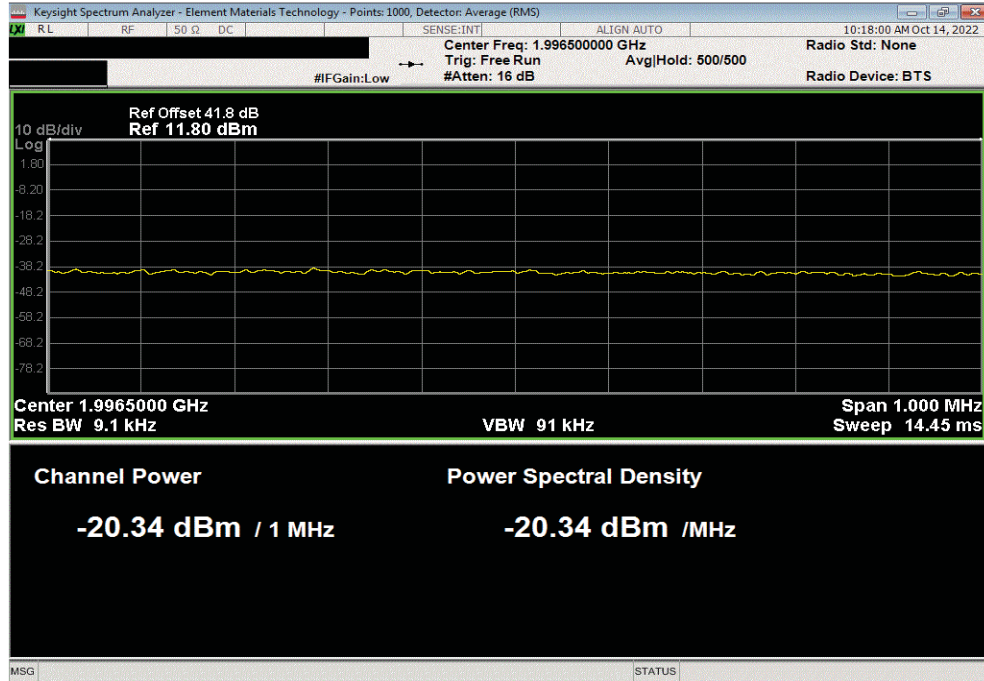


BAND EDGE COMPLIANCE - Band n25

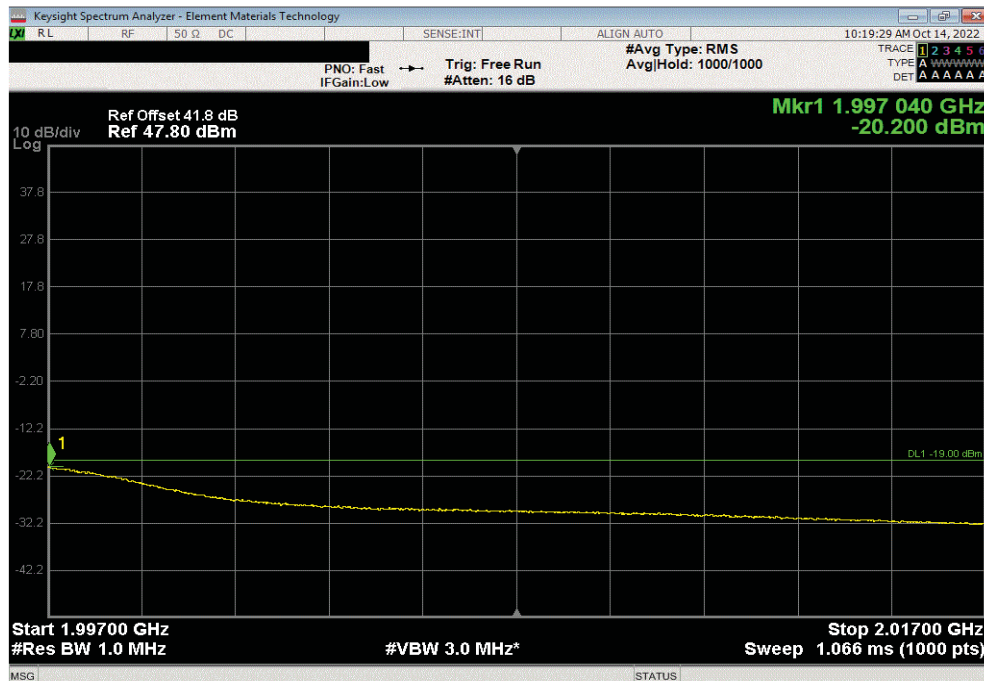


TbTx 2022.06.03.0 XMt 2022.02.07.0

Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-20.34	-19	Pass			



Port 3, Band n25, NR 40 MHz, 1930 - 1995 MHz, 40 MHz, 256QAM, High Channel, 1975 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.20	-19	Pass			



BAND EDGE COMPLIANCE - BAND n66



XMR 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	SD3239	ANC	2022-03-02	2023-03-02
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 $[-10 \cdot \log(4)]$ dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per section 27.53(h)(1) and RSS-139 6.6, the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm $[-13 \text{ dBm} - 10 \log(4)]$ per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per 27.53(h)(3) and RSS-139 6.6, 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.

BAND EDGE COMPLIANCE - BAND n66



TbITx 2022.05.02.0

XMI 2022.02.07.0

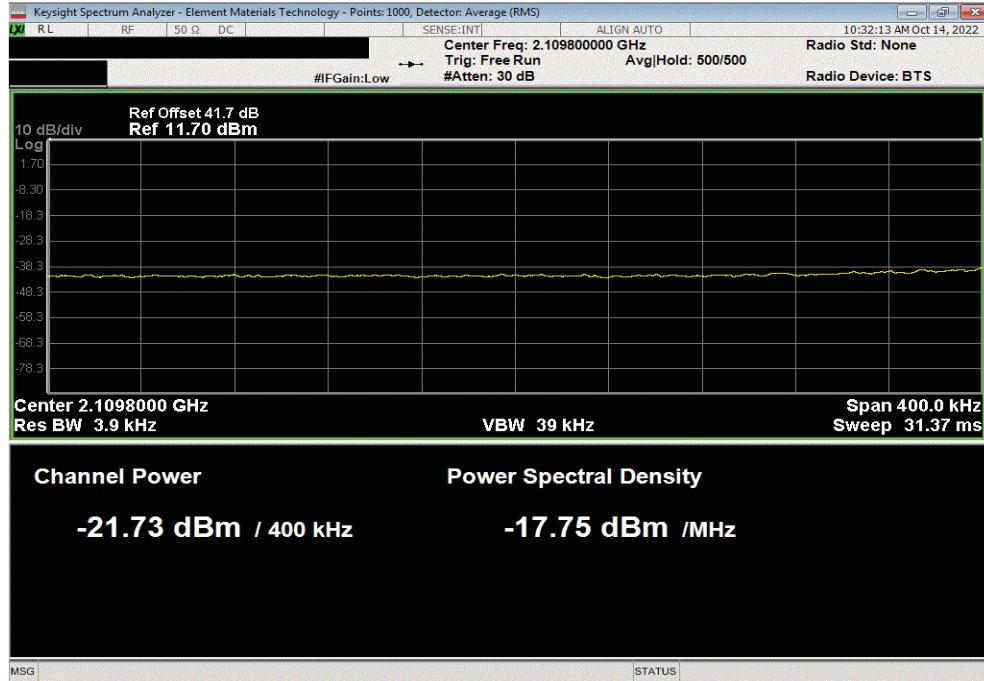
EUT: AHFII (FCC/ISED C2PC)		Work Order: NOKI0050			
Serial Number: K9181401111		Date: 17-Oct-22			
Customer: Nokia of America Corporation		Temperature: 21.8 °C			
Attendees: Mitchell Hill		Humidity: 41.1% RH			
Project: None		Barometric Pres.: 1025 mbar			
Tested by: Brandon Hobbs		Power: 54 VDC	Job Site: TX07		
TEST SPECIFICATIONS		Test Method			
FCC 27:2022		ANSI C63.26:2015			
RSS-139 Issue 4:2022		ANSI C63.26:2015			
COMMENTS					
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. Band n66 carriers are enabled at maximum power (80 watts/carrier).					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	2	Signature 			
		Frequency Range	Max Value (dBm)	Limit (dBm)	Result
Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz					
40 MHz					
QPSK					
	Low Channel, 2130 MHz	1	-21.7	-19	Pass
	Low Channel, 2130 MHz	2	-22.1	-19	Pass
	Low Channel, 2130 MHz	3	-22.2	-19	Pass
	Low Channel, 2130 MHz	4	-21.4	-19	Pass
	Low Channel, 2130 MHz	5	-22.6	-19	Pass
	High Channel, 2180 MHz	1	-21.3	-19	Pass
	High Channel, 2180 MHz	2	-21.7	-19	Pass
	High Channel, 2180 MHz	3	-21.8	-19	Pass
	High Channel, 2180 MHz	4	-21.4	-19	Pass
	High Channel, 2180 MHz	5	-21.1	-19	Pass
16QAM					
	Low Channel, 2130 MHz	1	-21.8	-19	Pass
	Low Channel, 2130 MHz	2	-22.2	-19	Pass
	Low Channel, 2130 MHz	3	-22.2	-19	Pass
	Low Channel, 2130 MHz	4	-21.4	-19	Pass
	Low Channel, 2130 MHz	5	-22.2	-19	Pass
	High Channel, 2180 MHz	1	-21.5	-19	Pass
	High Channel, 2180 MHz	2	-21.9	-19	Pass
	High Channel, 2180 MHz	3	-21.9	-19	Pass
	High Channel, 2180 MHz	4	-21.7	-19	Pass
	High Channel, 2180 MHz	5	-21.3	-19	Pass
64QAM					
	Low Channel, 2130 MHz	1	-21.8	-19	Pass
	Low Channel, 2130 MHz	2	-22.1	-19	Pass
	Low Channel, 2130 MHz	3	-22.2	-19	Pass
	Low Channel, 2130 MHz	4	-21.3	-19	Pass
	Low Channel, 2130 MHz	5	-22.7	-19	Pass
	High Channel, 2180 MHz	1	-21.2	-19	Pass
	High Channel, 2180 MHz	2	-21.6	-19	Pass
	High Channel, 2180 MHz	3	-21.7	-19	Pass
	High Channel, 2180 MHz	4	-21.3	-19	Pass
	High Channel, 2180 MHz	5	-21.2	-19	Pass
256QAM					
	Low Channel, 2130 MHz	1	-21.7	-19	Pass
	Low Channel, 2130 MHz	2	-22.1	-19	Pass
	Low Channel, 2130 MHz	3	-22.1	-19	Pass
	Low Channel, 2130 MHz	4	-21.2	-19	Pass
	Low Channel, 2130 MHz	5	-22.4	-19	Pass
	High Channel, 2180 MHz	1	-21.4	-19	Pass
	High Channel, 2180 MHz	2	-21.7	-19	Pass
	High Channel, 2180 MHz	3	-21.8	-19	Pass
	High Channel, 2180 MHz	4	-21.5	-19	Pass
	High Channel, 2180 MHz	5	-21.1	-19	Pass

BAND EDGE COMPLIANCE - BAND n66

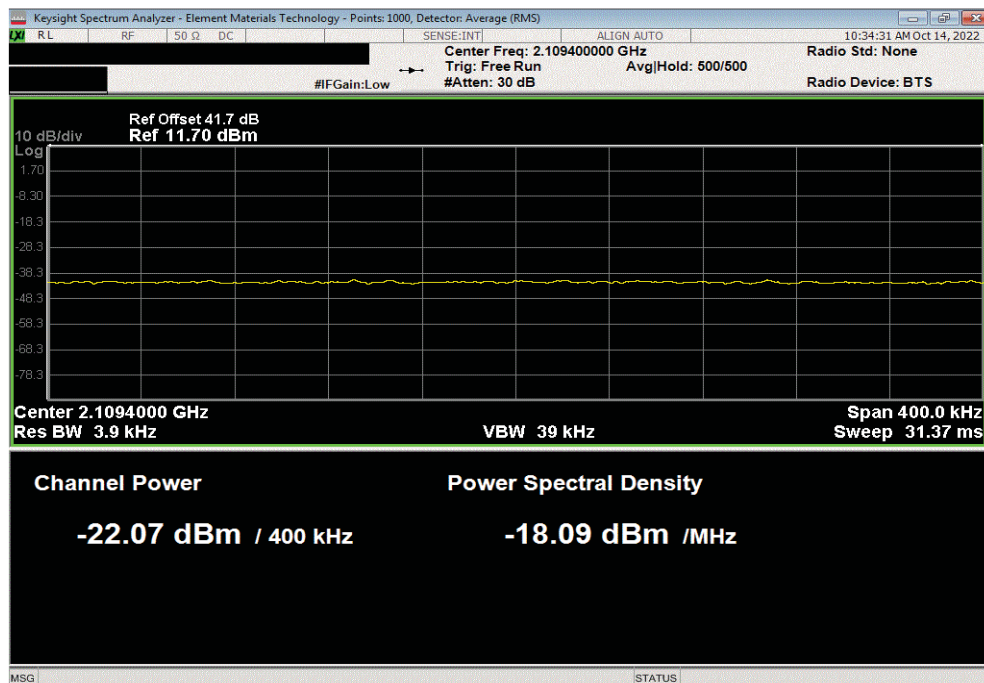


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, Low Channel, 2130 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
1				-21.73	-19	Pass



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, Low Channel, 2130 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
2				-22.07	-19	Pass

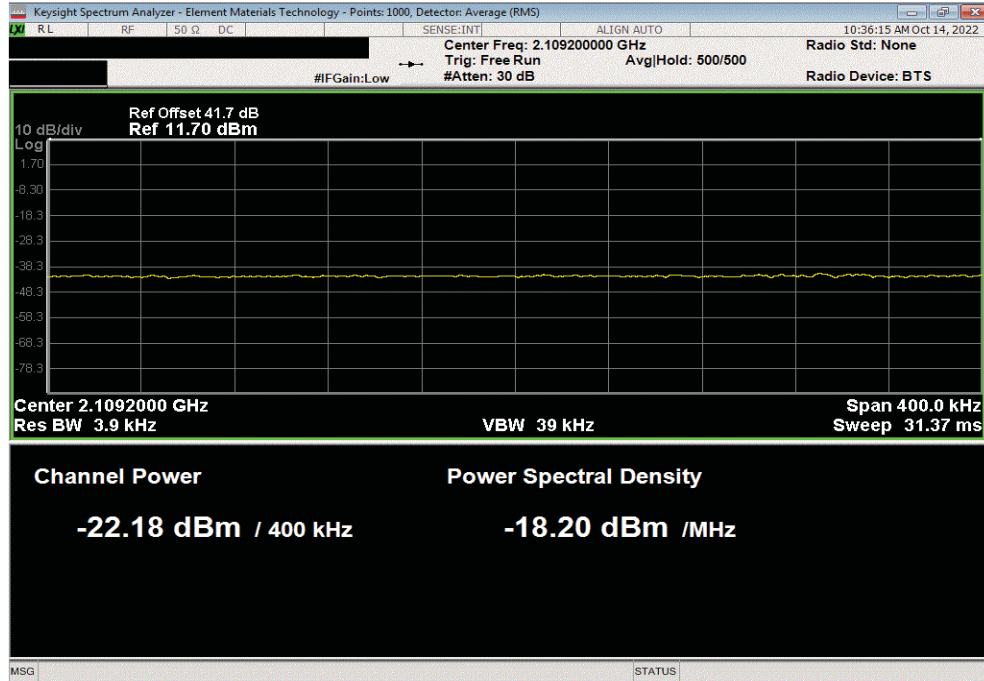


BAND EDGE COMPLIANCE - BAND n66

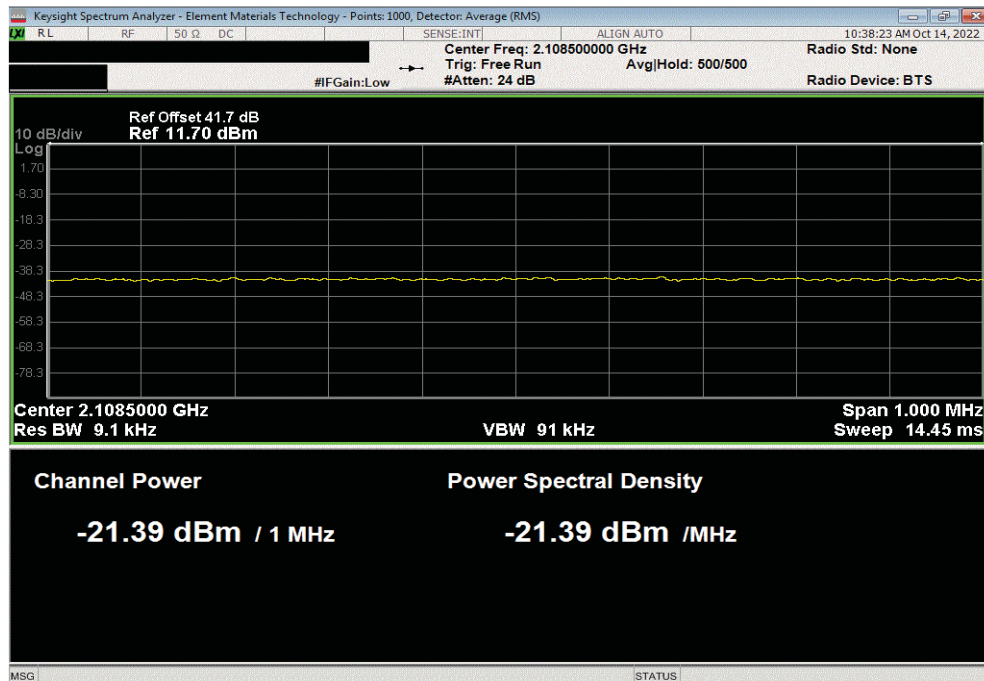


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, Low Channel, 2130 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
3				-22.18	-19	Pass



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, Low Channel, 2130 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
4				-21.39	-19	Pass

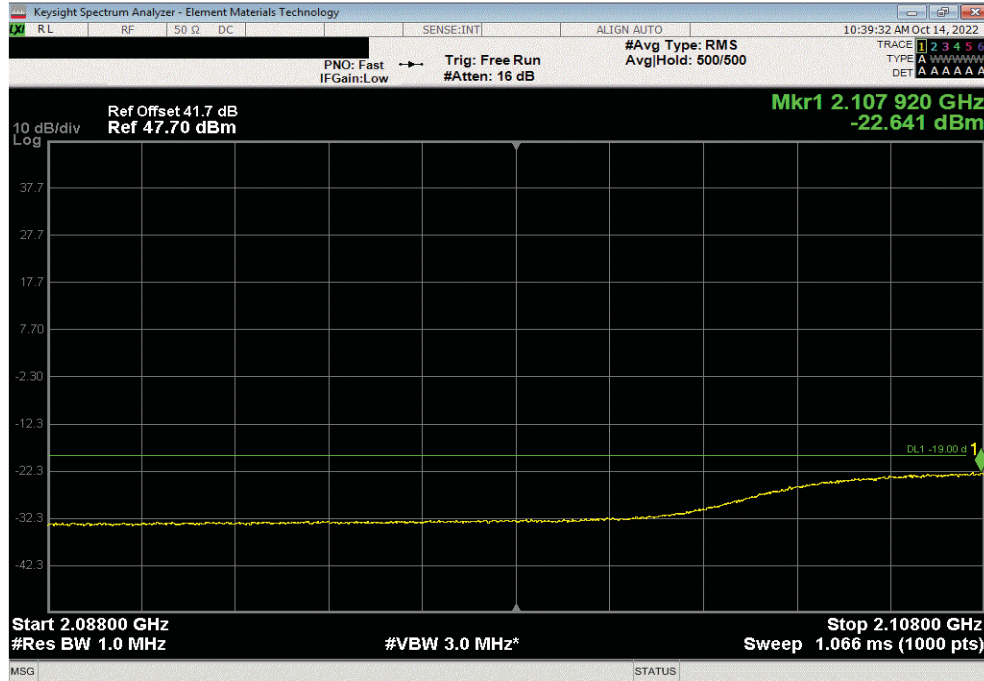


BAND EDGE COMPLIANCE - BAND n66

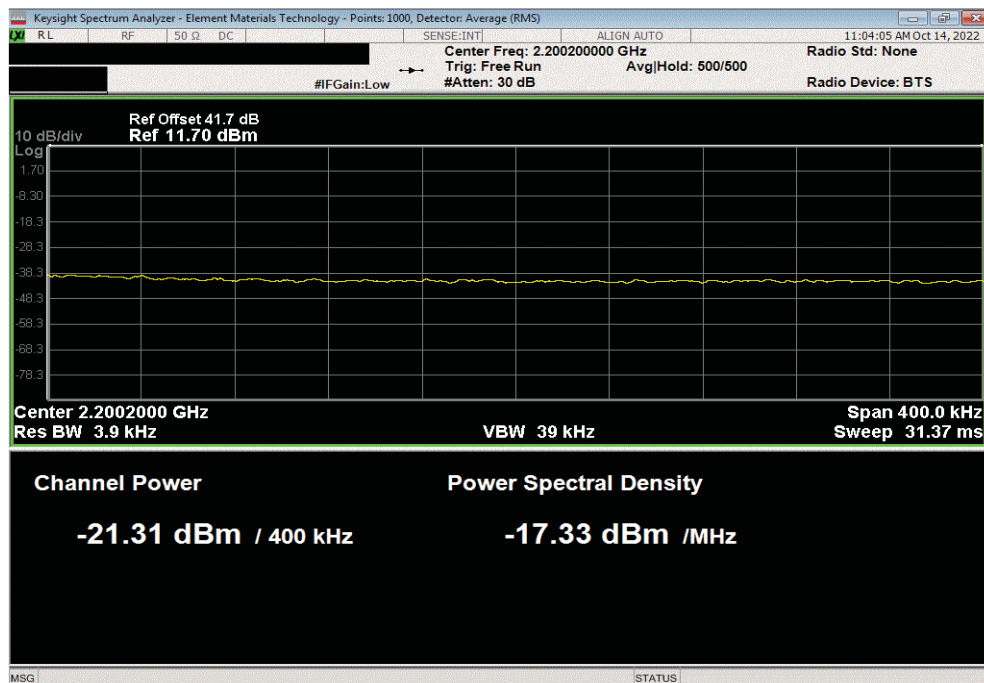


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-22.64	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.31	-19	Pass			

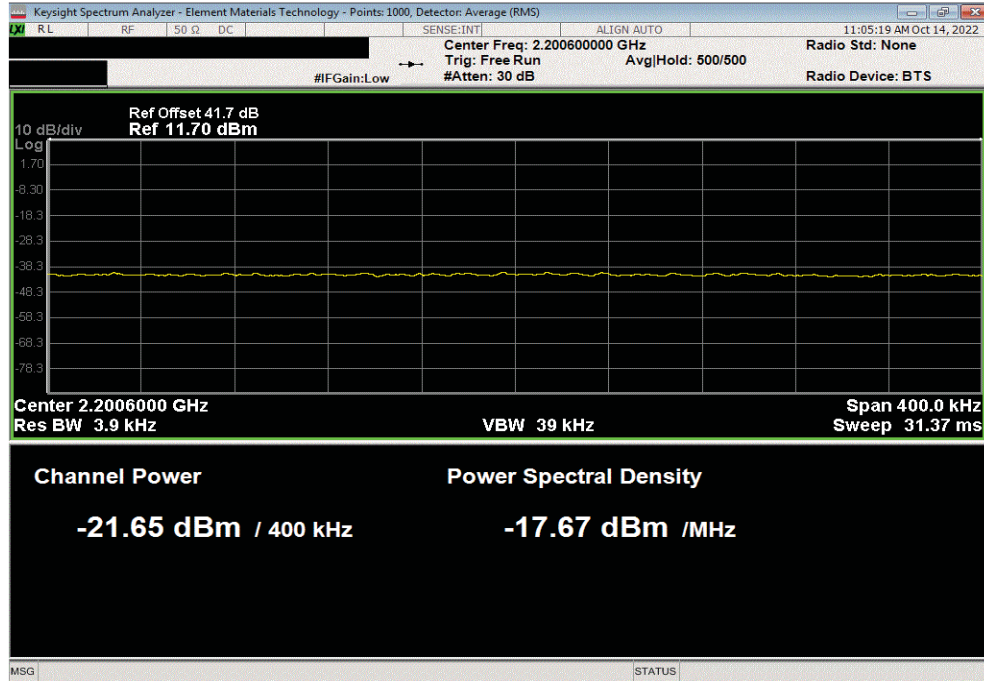


BAND EDGE COMPLIANCE - BAND n66

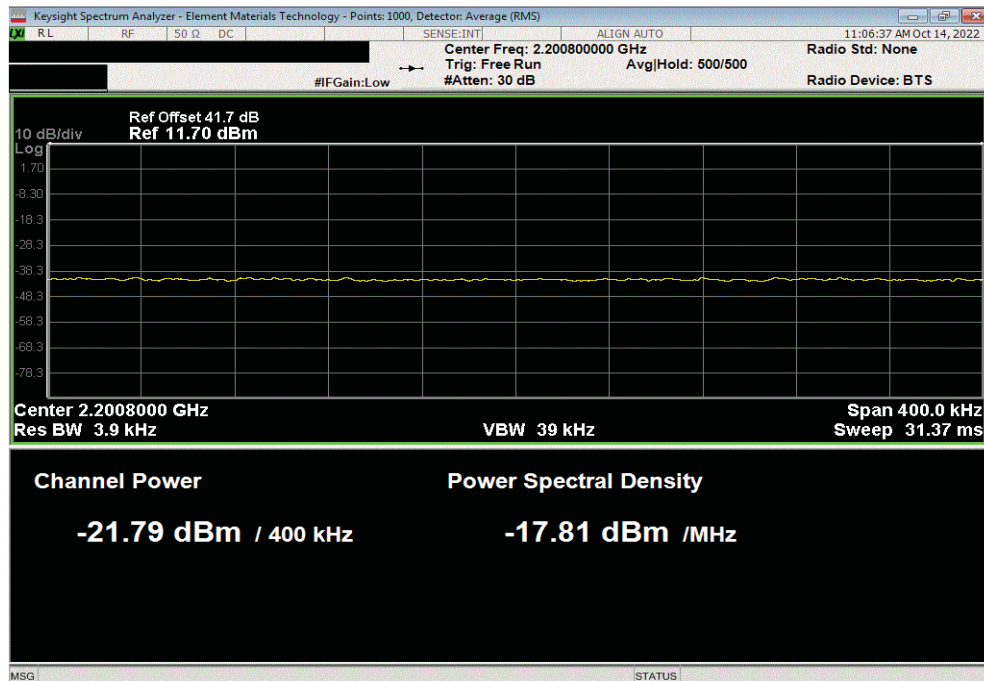


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.65	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.79	-19	Pass			

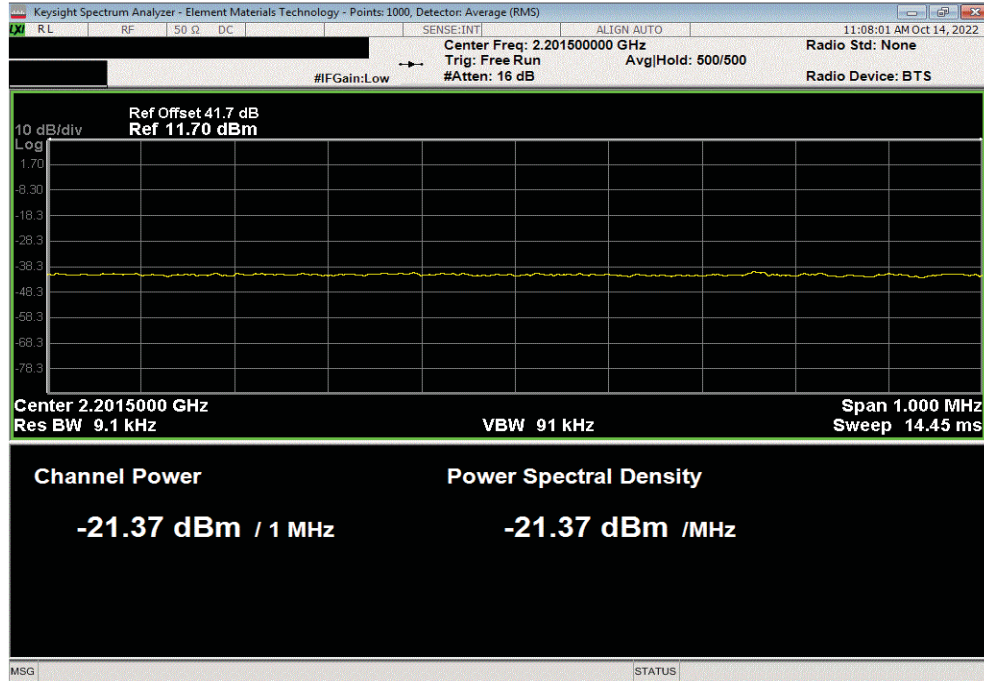


BAND EDGE COMPLIANCE - BAND n66

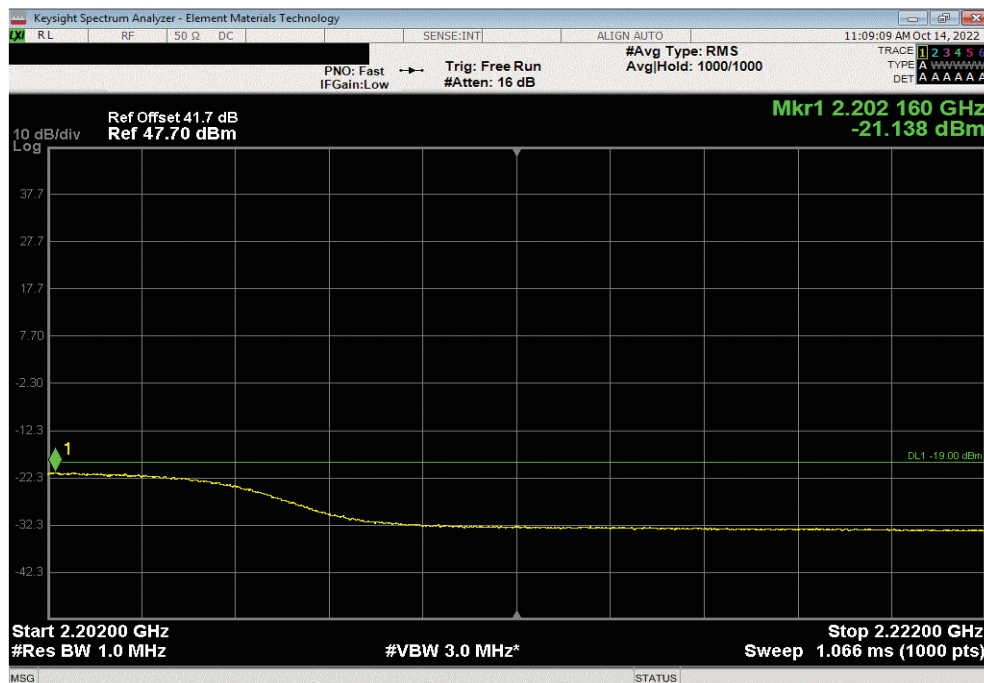


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.37	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, QPSK, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-21.14	-19	Pass			

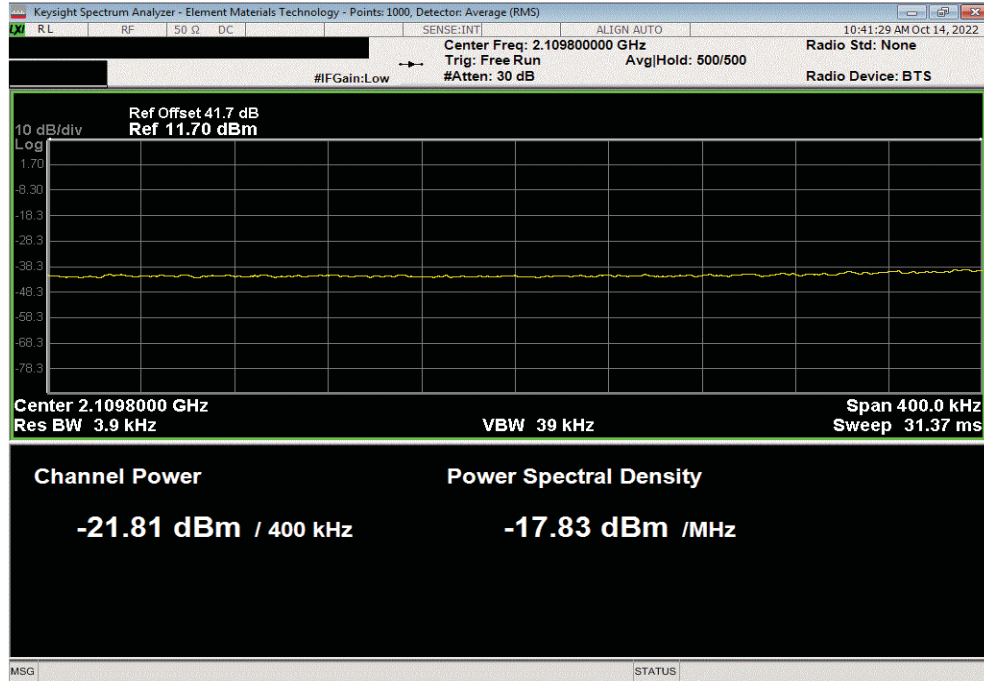


BAND EDGE COMPLIANCE - BAND n66

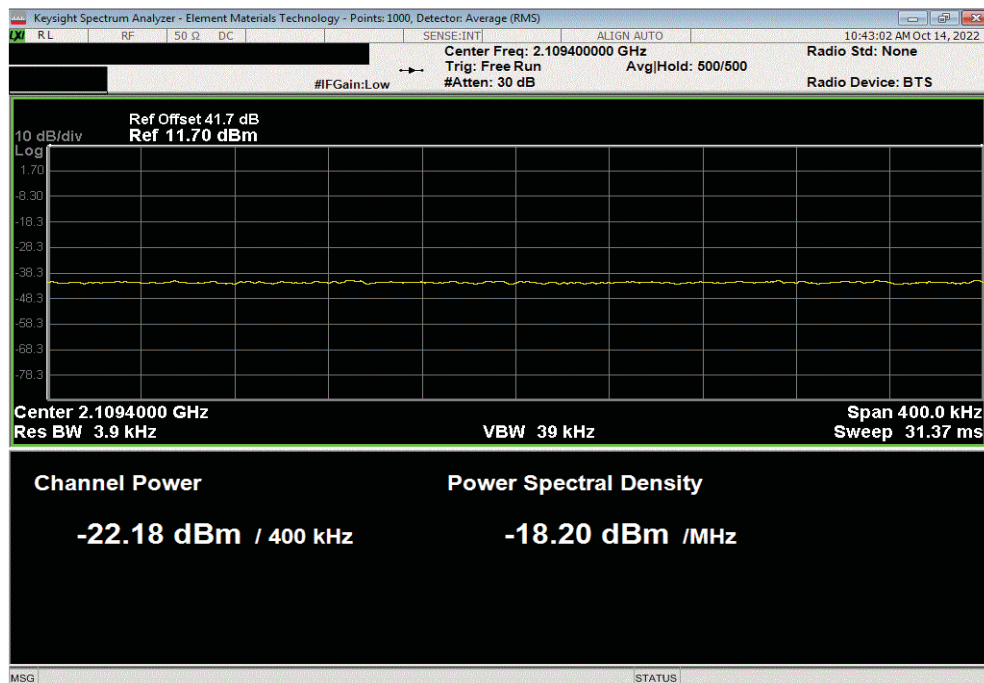


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.81	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-22.18	-19	Pass			

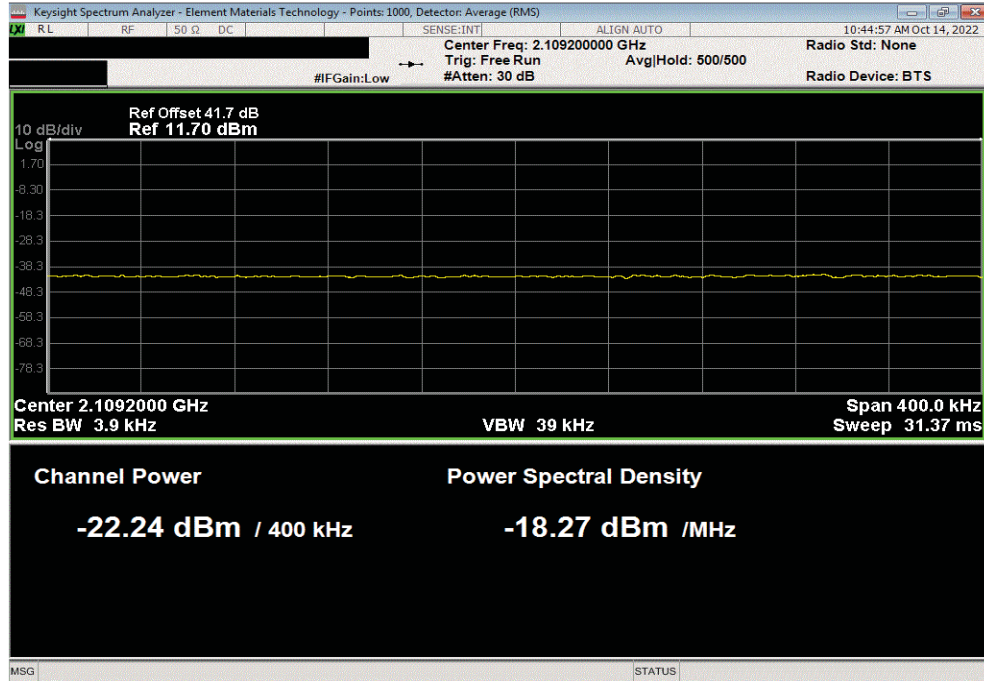


BAND EDGE COMPLIANCE - BAND n66

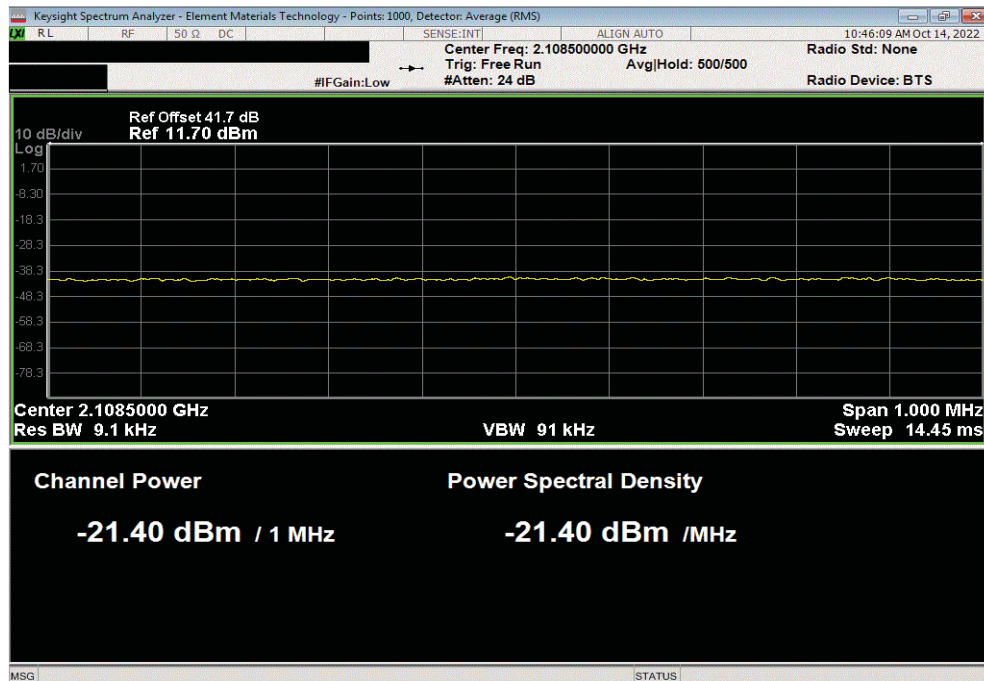


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-22.24	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.40	-19	Pass			

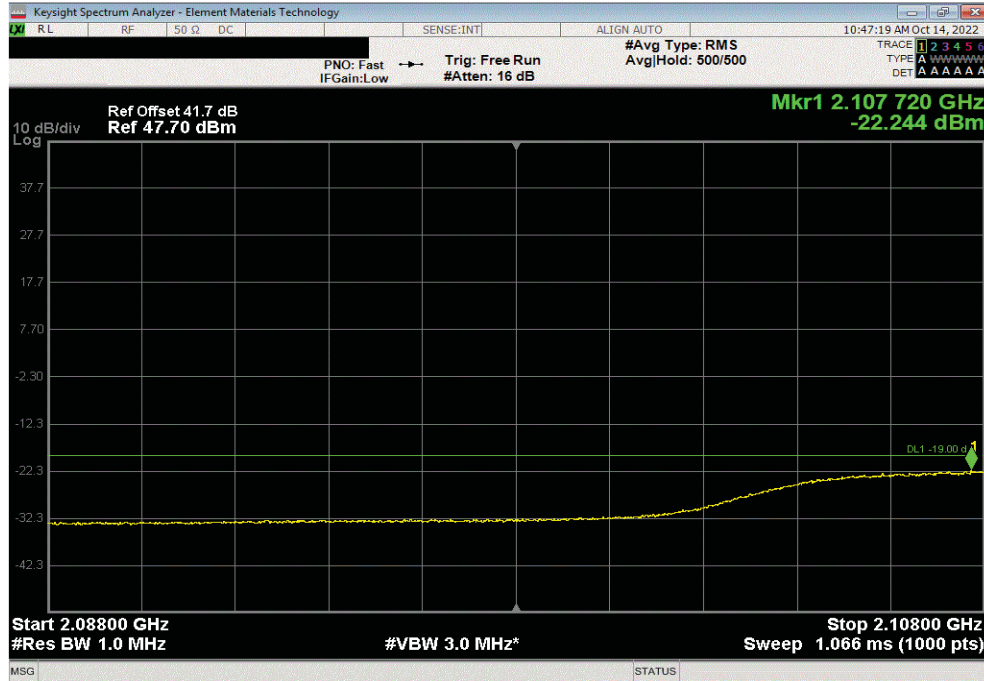


BAND EDGE COMPLIANCE - BAND n66

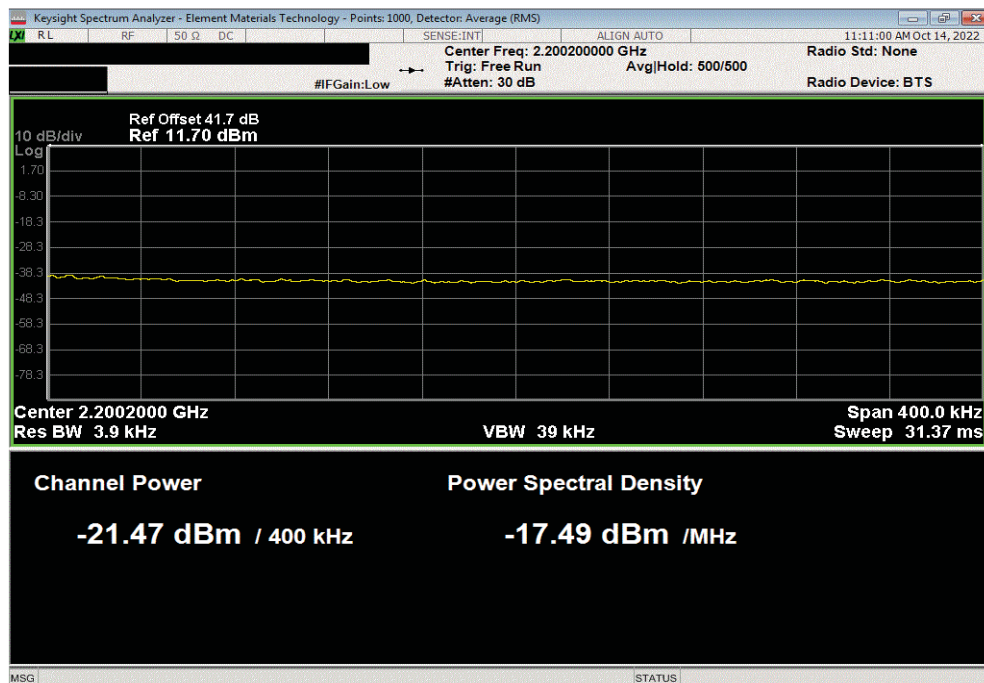


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, Low Channel, 2130 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
5		-22.24		-19		Pass



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, High Channel, 2180 MHz						
Frequency Range		Max Value (dBm)		Limit (dBm)		Result
1		-21.47		-19		Pass

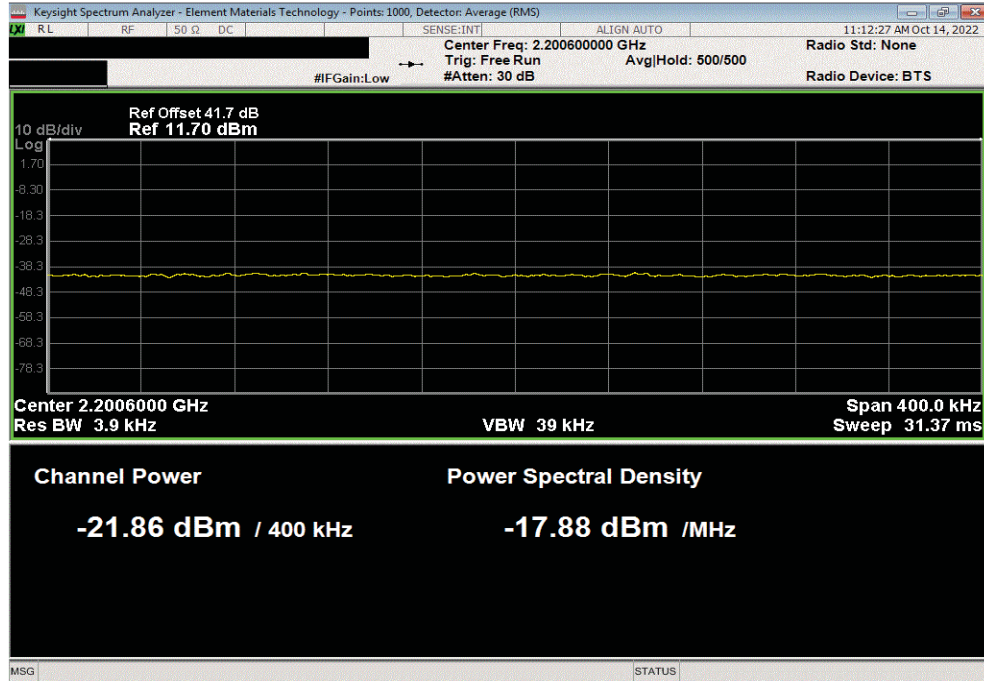


BAND EDGE COMPLIANCE - BAND n66

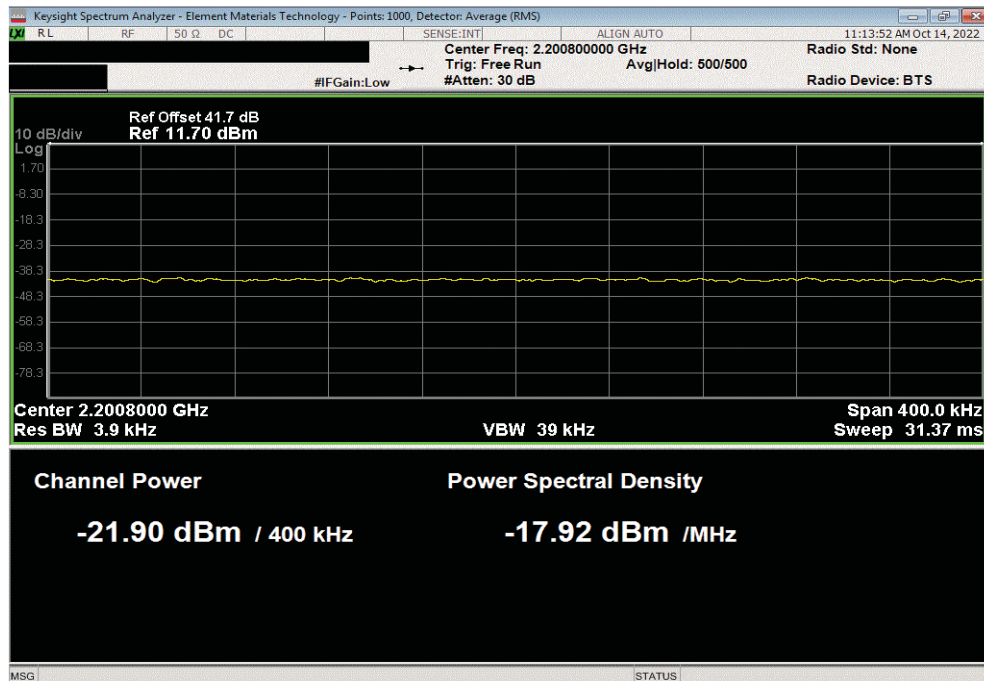


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.86	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.90	-19	Pass			

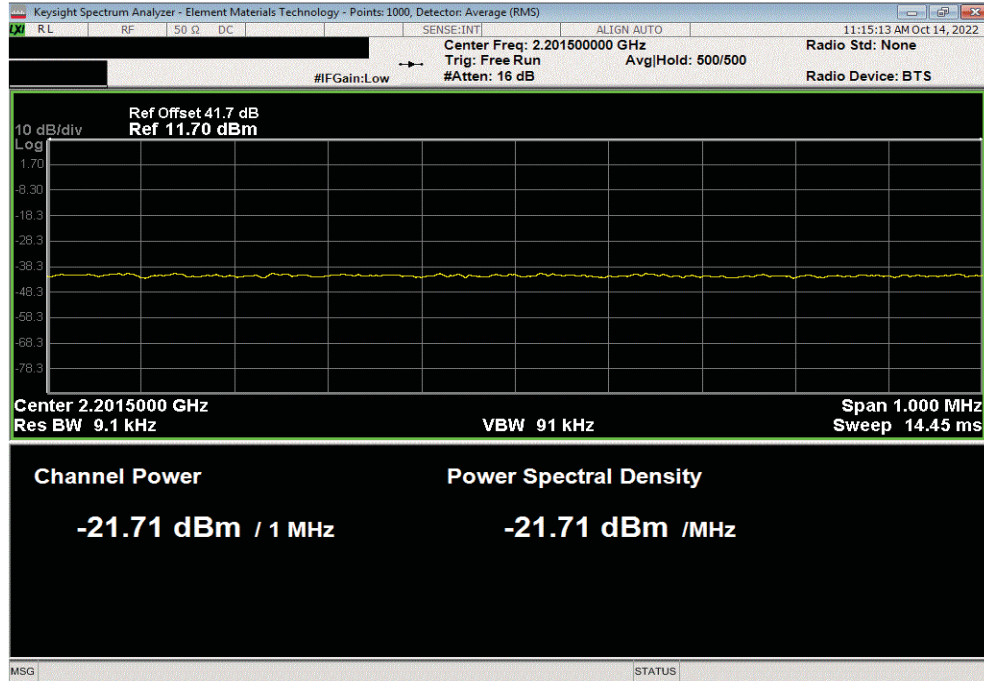


BAND EDGE COMPLIANCE - BAND n66

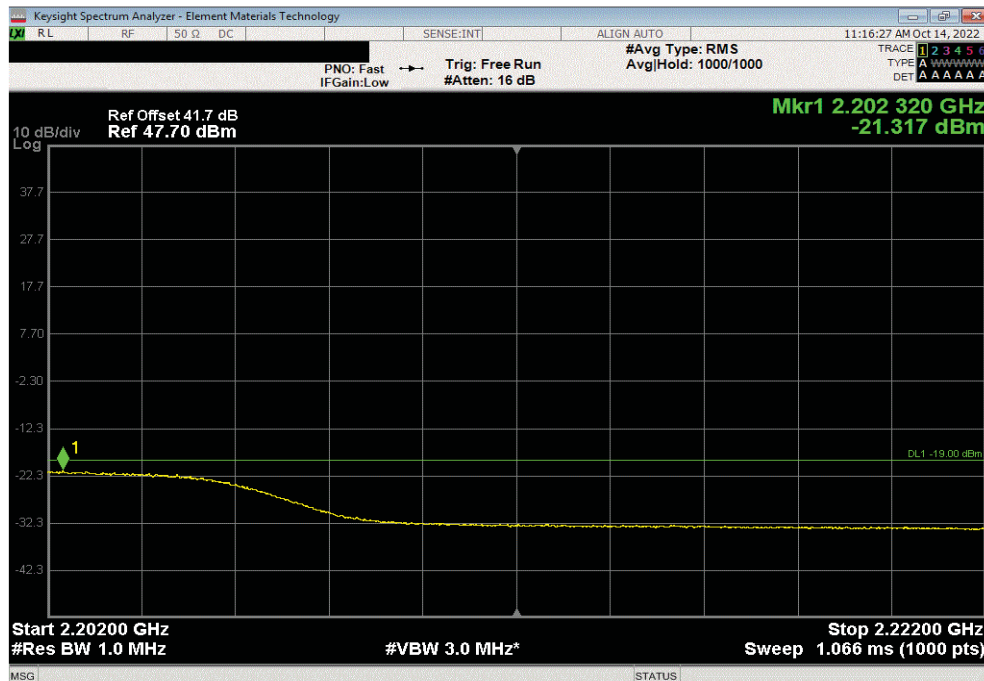


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.71	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 16QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-21.32	-19	Pass			

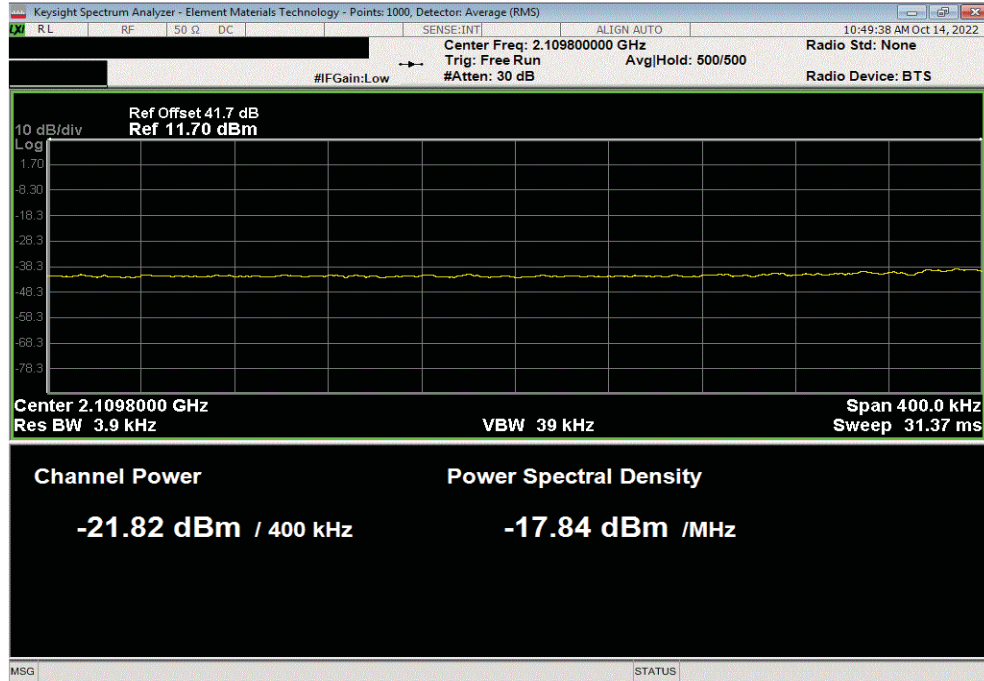


BAND EDGE COMPLIANCE - BAND n66

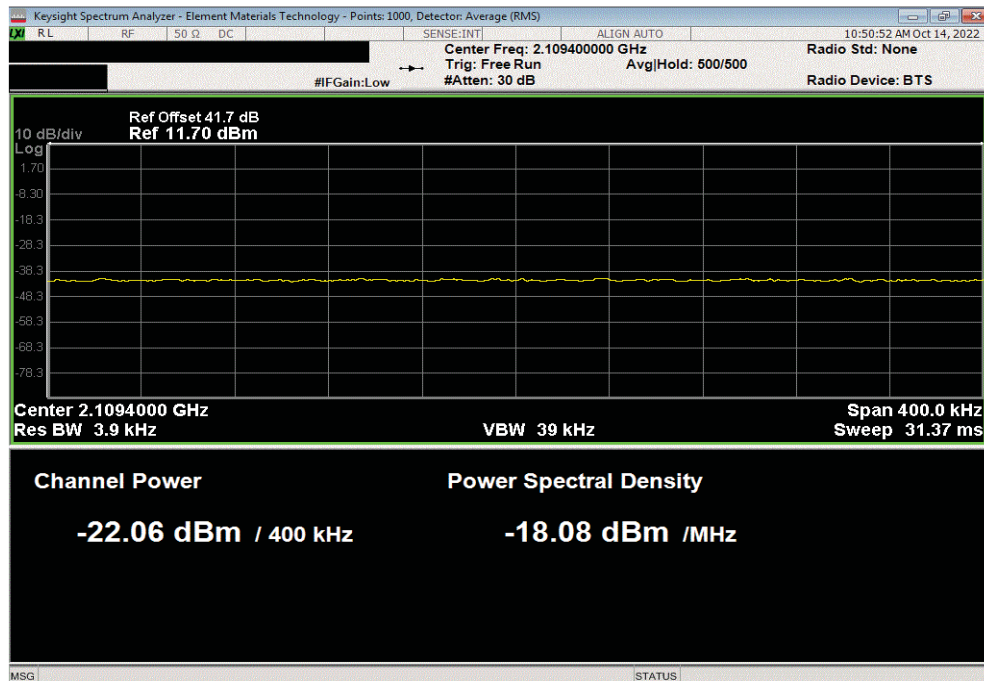


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.82	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-22.06	-19	Pass			

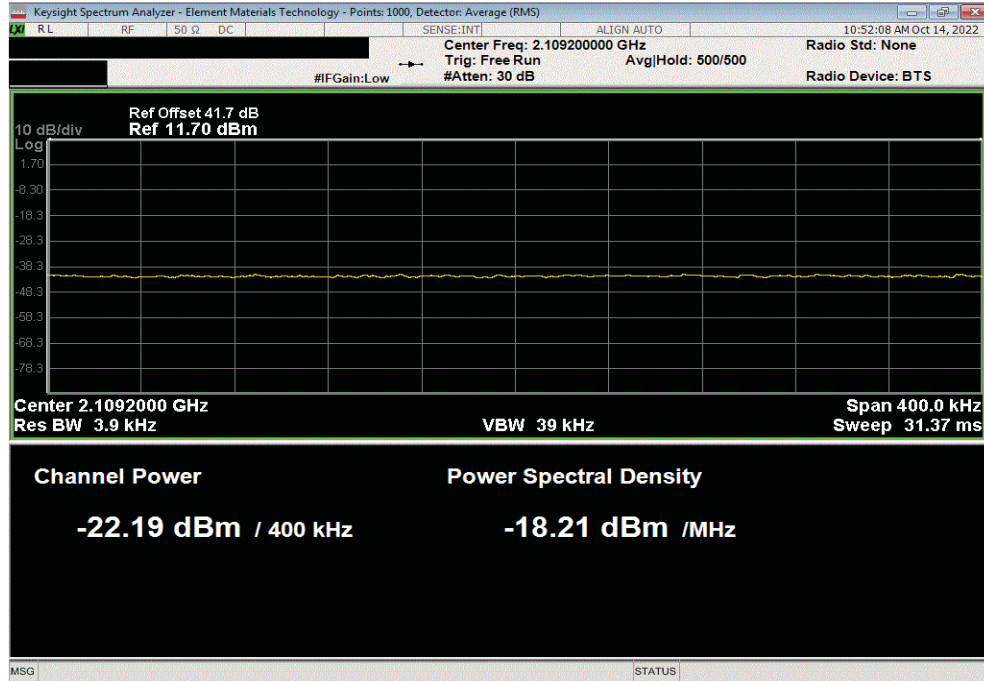


BAND EDGE COMPLIANCE - BAND n66

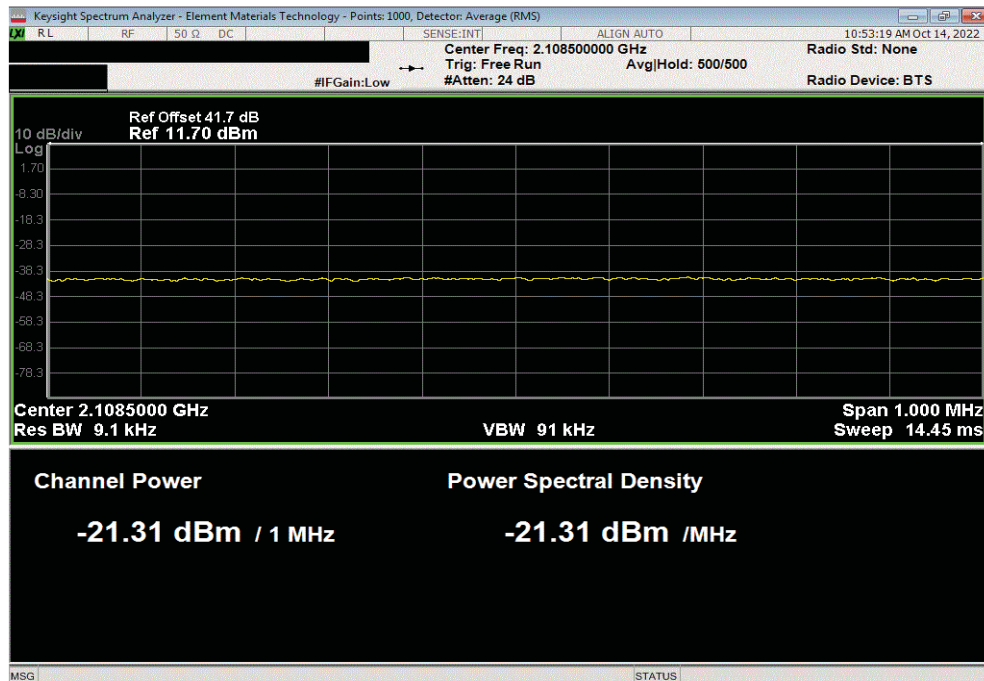


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-22.19	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.31	-19	Pass			

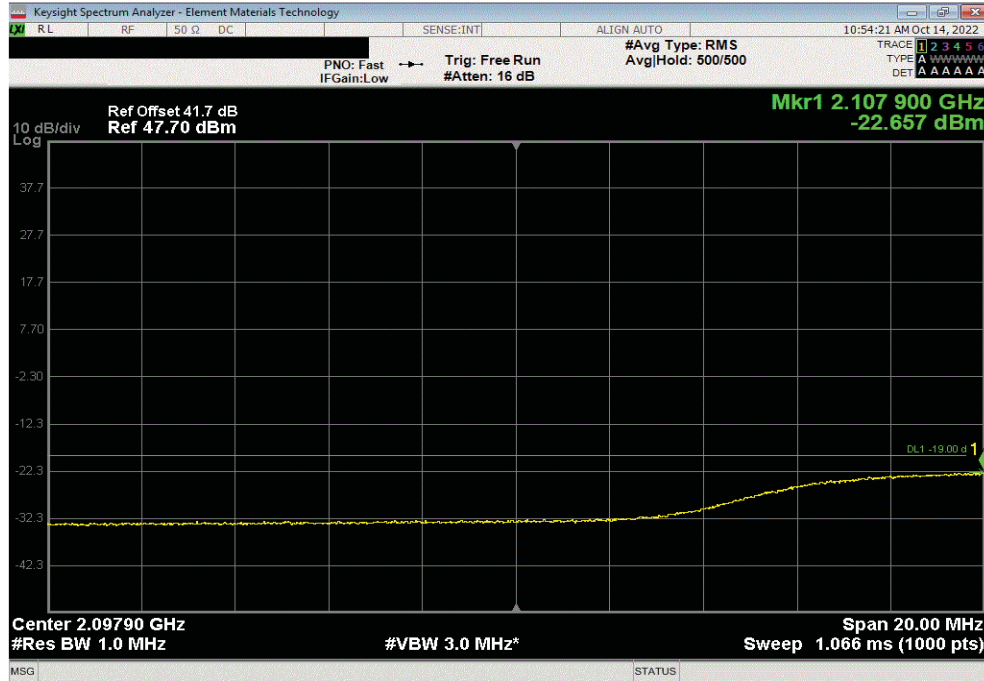


BAND EDGE COMPLIANCE - BAND n66

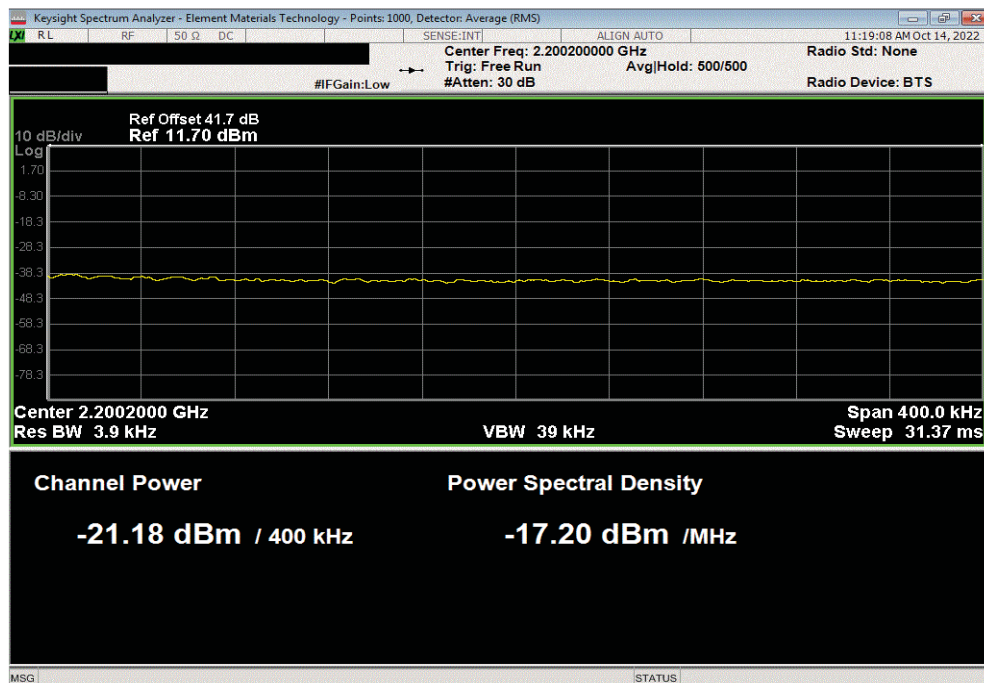


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-22.66	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.18	-19	Pass			

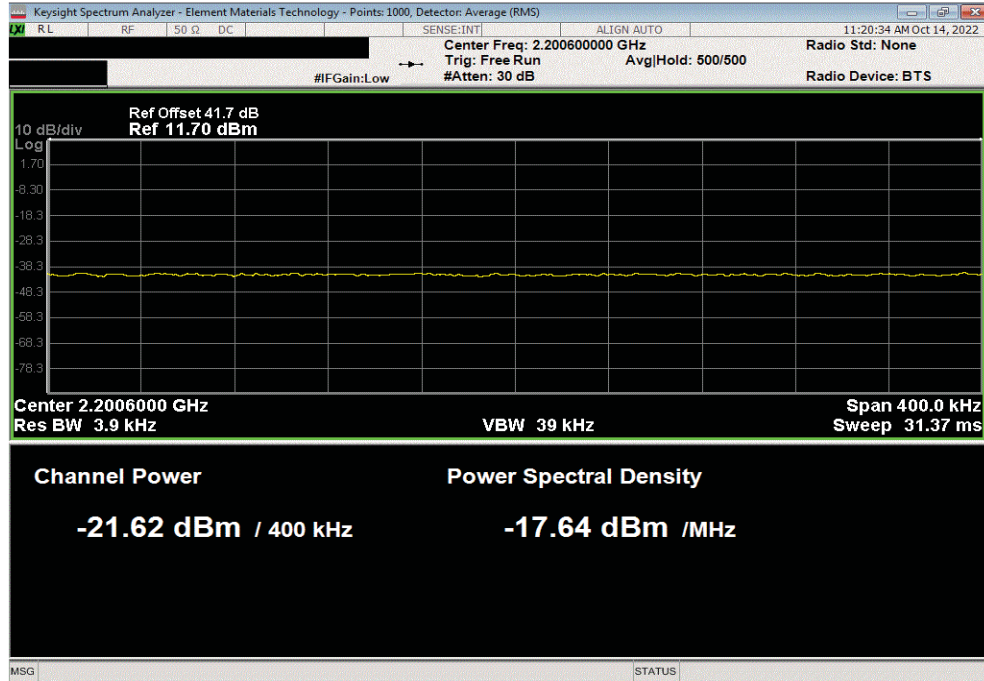


BAND EDGE COMPLIANCE - BAND n66

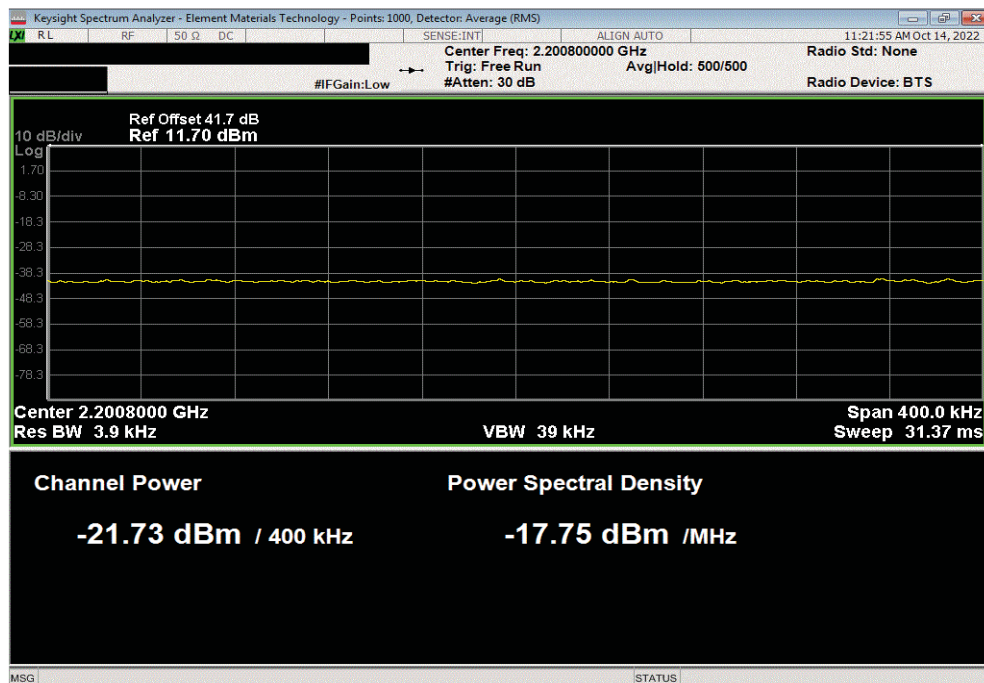


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.62	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.73	-19	Pass			

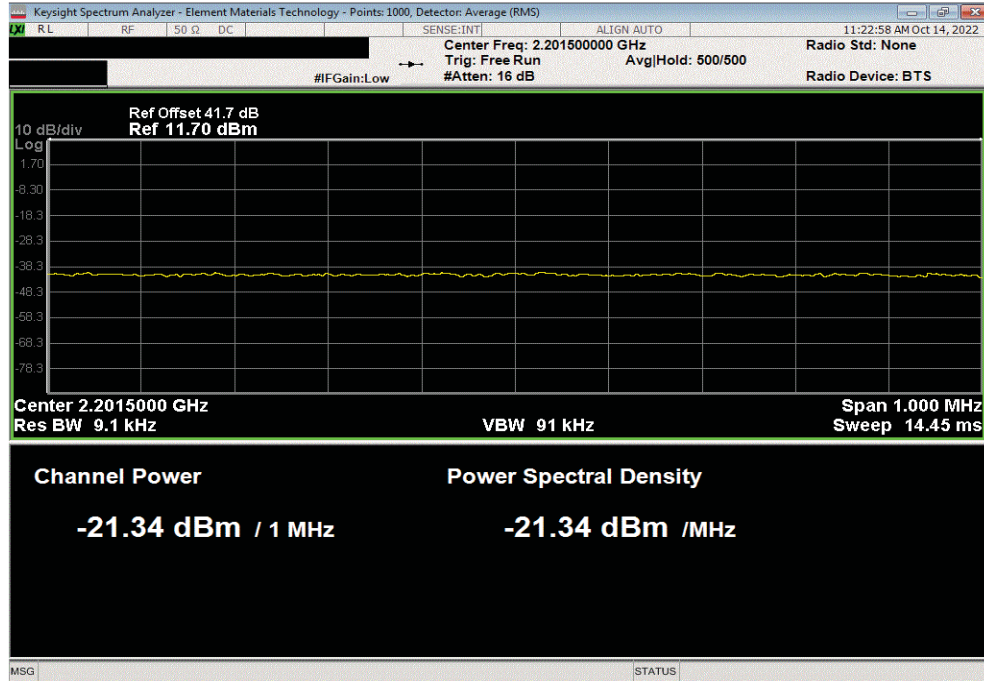


BAND EDGE COMPLIANCE - BAND n66

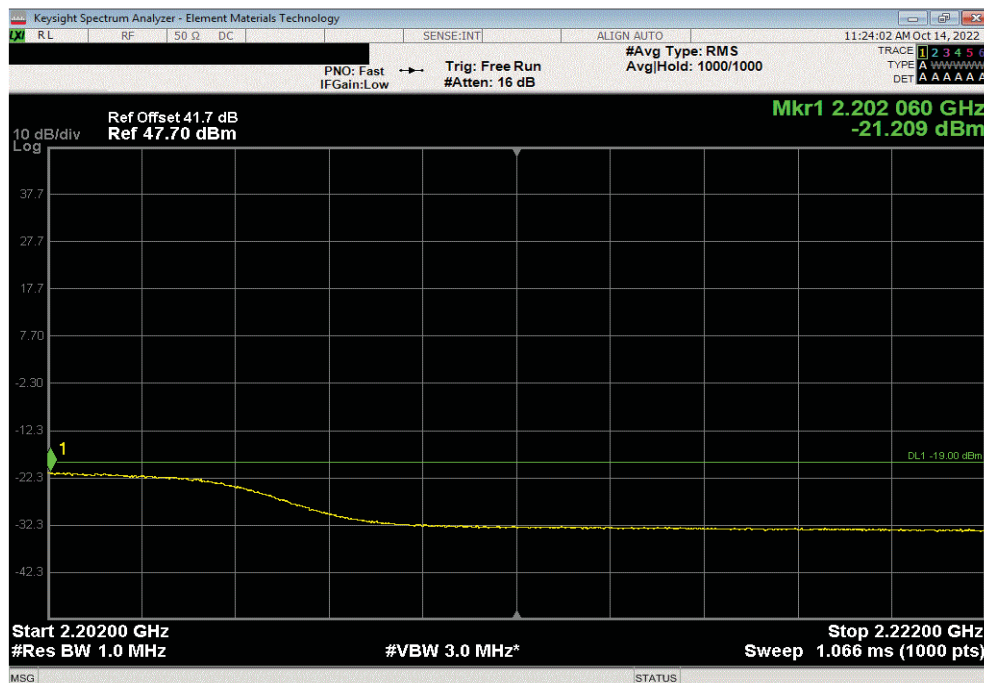


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.34	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 64QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-21.21	-19	Pass			

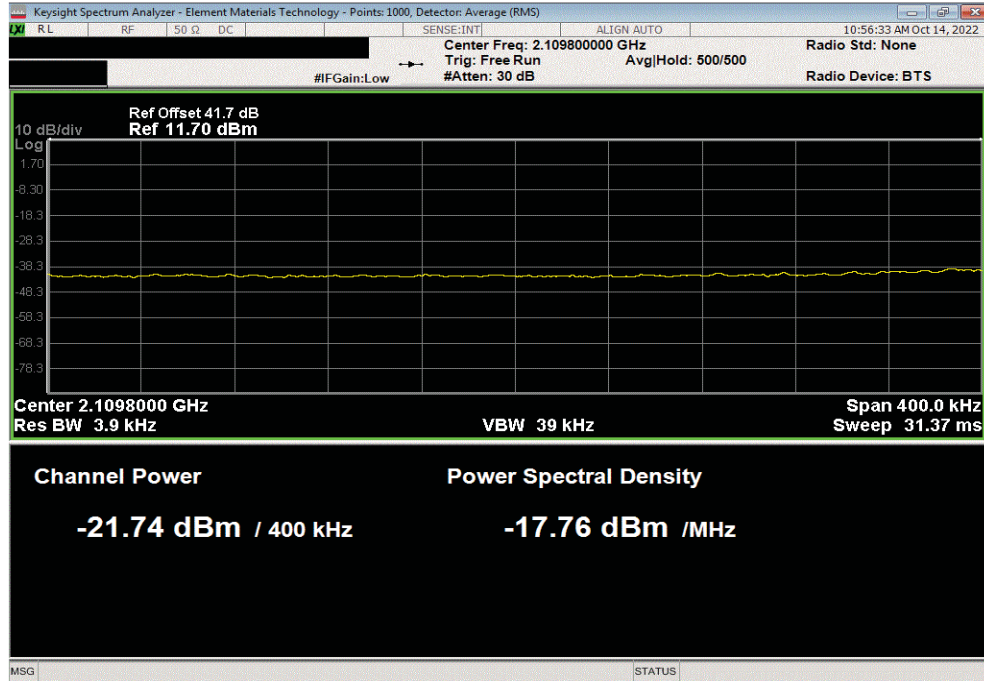


BAND EDGE COMPLIANCE - BAND n66

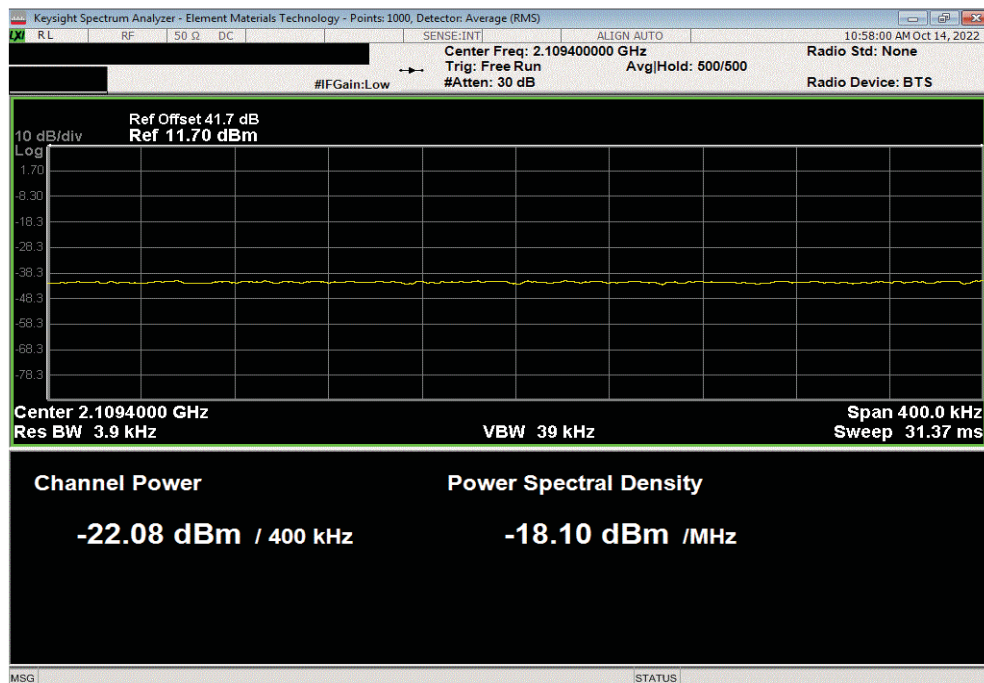


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.74	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-22.08	-19	Pass			

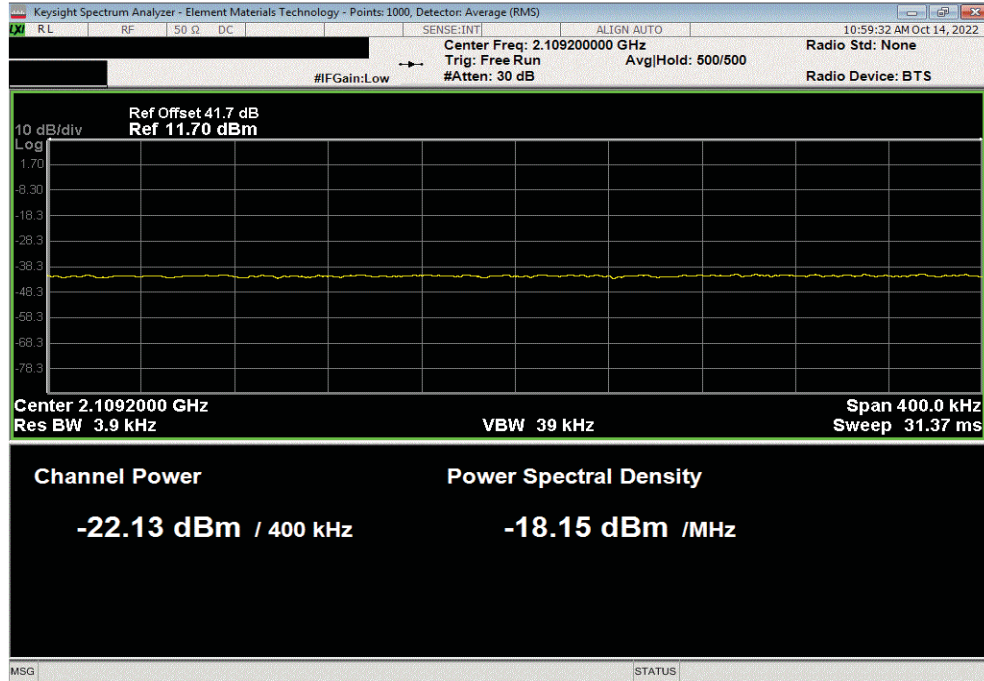


BAND EDGE COMPLIANCE - BAND n66

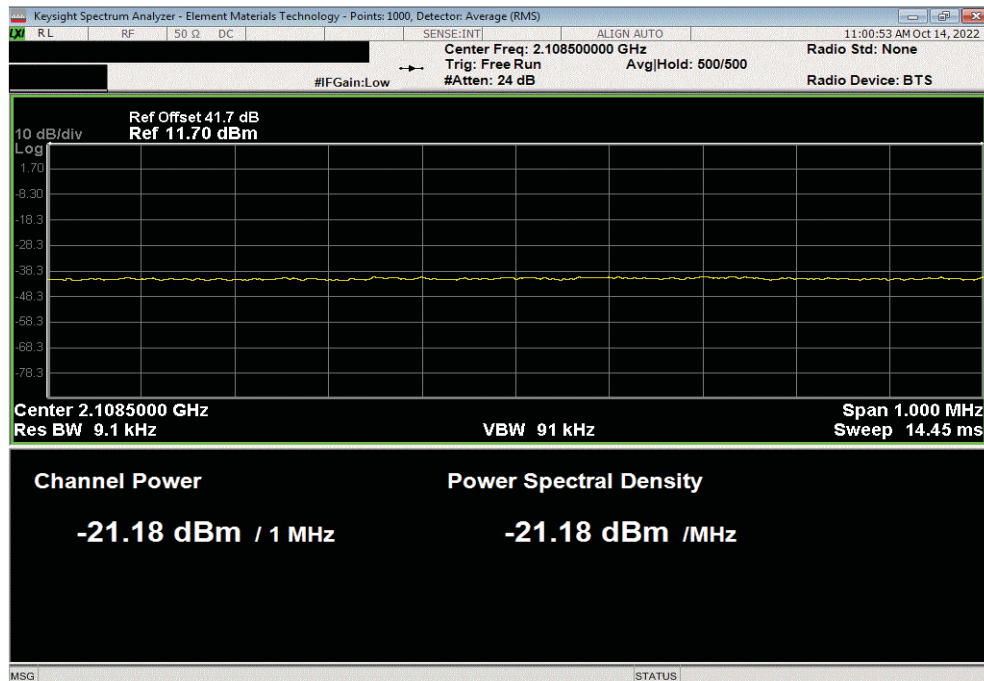


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-22.13	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.18	-19	Pass			

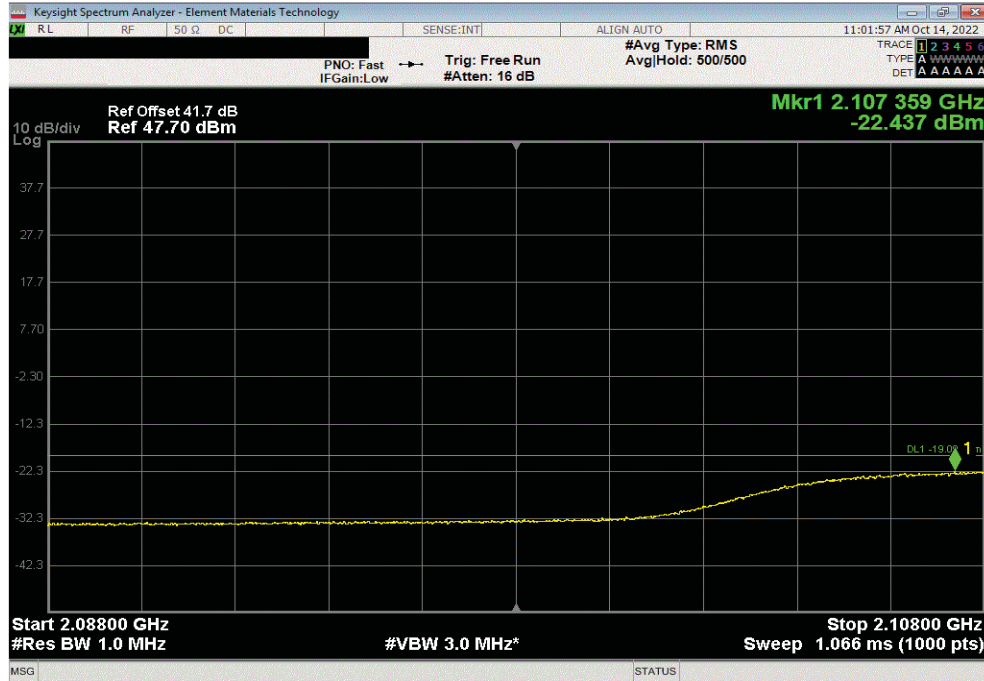


BAND EDGE COMPLIANCE - BAND n66

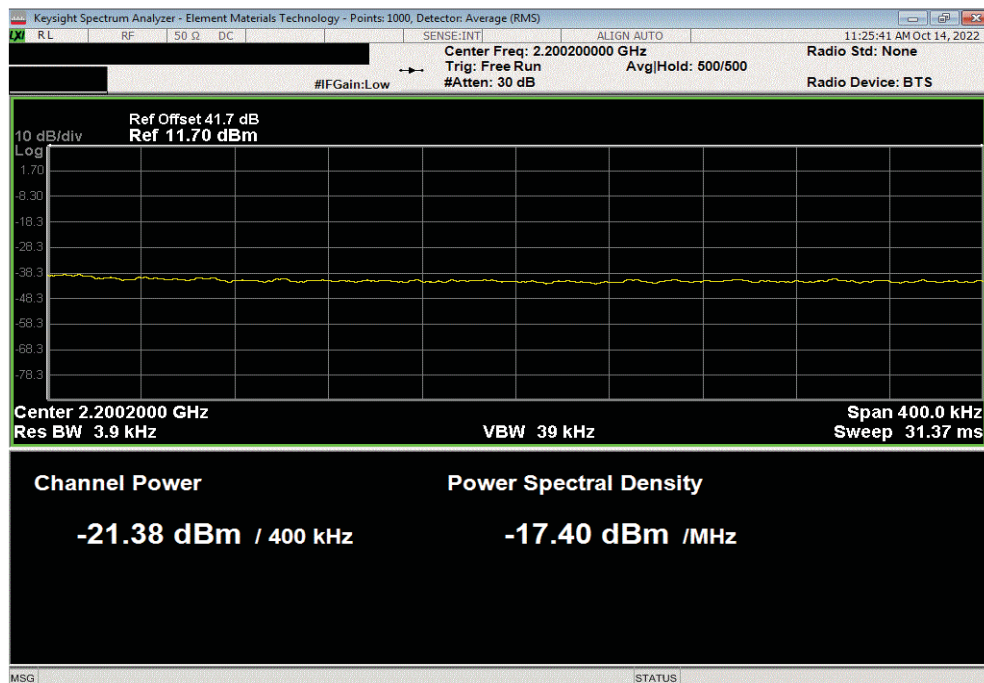


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, Low Channel, 2130 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-22.44	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.38	-19	Pass			

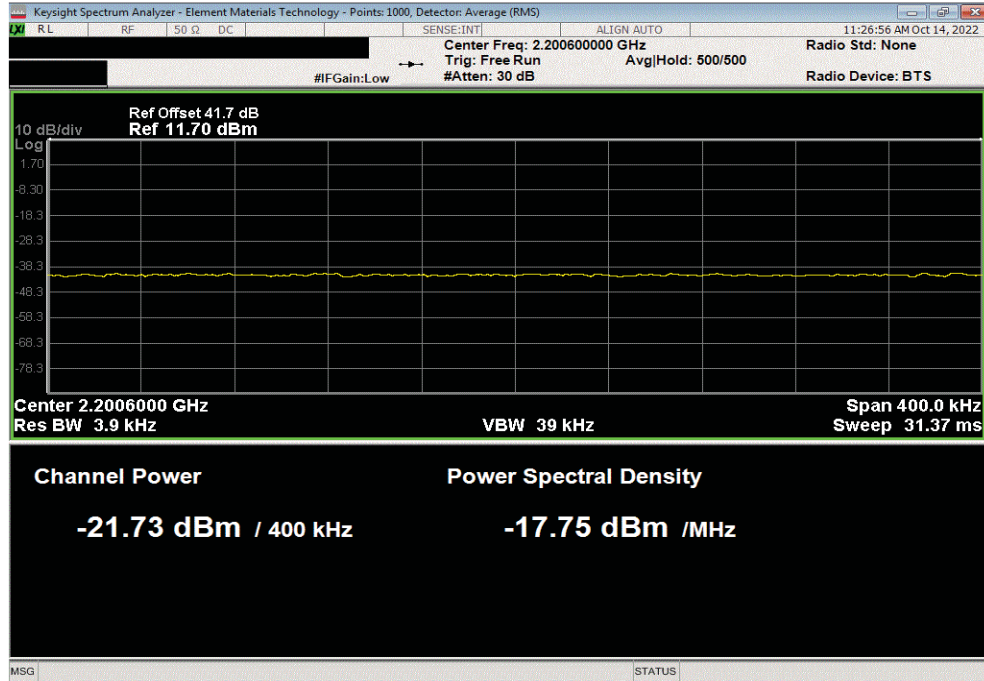


BAND EDGE COMPLIANCE - BAND n66

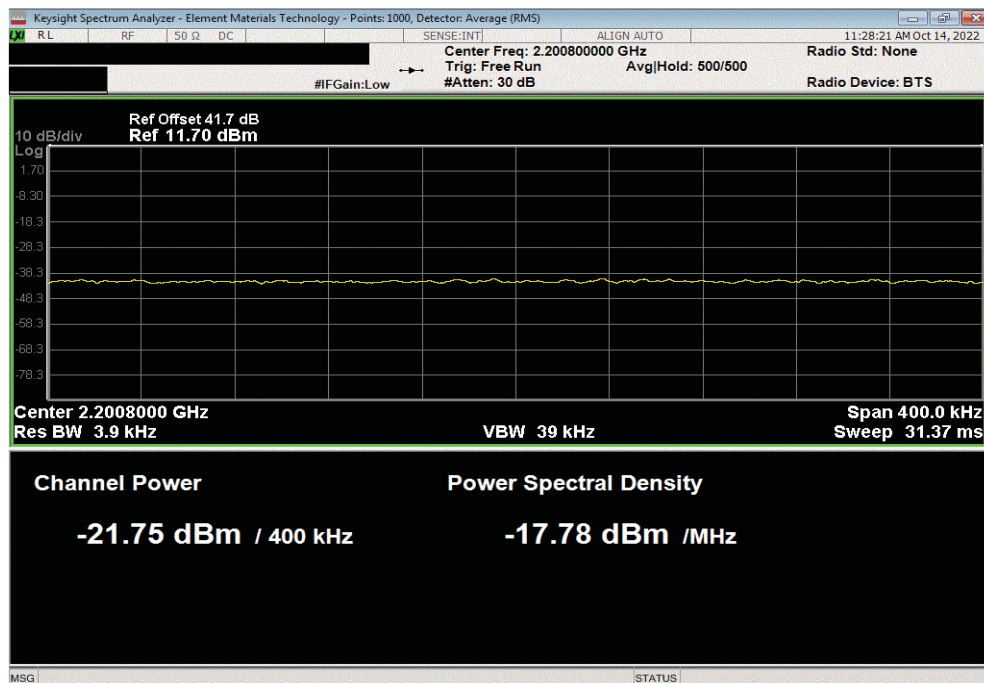


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, High Channel, 2180 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
2				-21.73	-19	Pass



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, High Channel, 2180 MHz						
Frequency Range				Max Value (dBm)	Limit (dBm)	Result
3				-21.75	-19	Pass

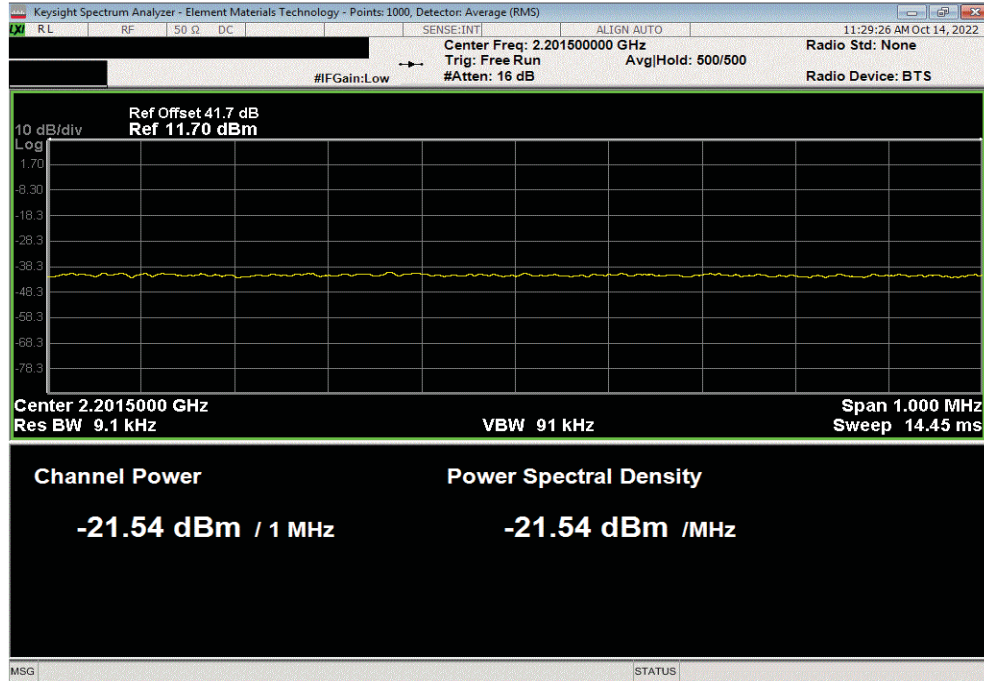


BAND EDGE COMPLIANCE - BAND n66

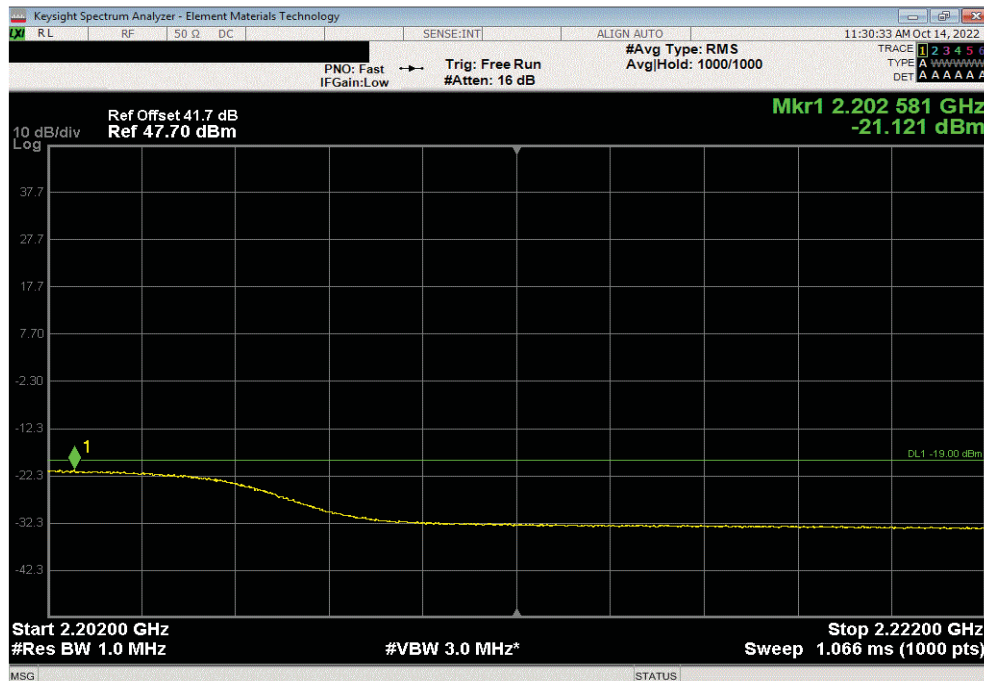


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.54	-19	Pass			



Port 1, Band n66, NR 40 MHz, 2110 - 2200 MHz, 40 MHz, 256QAM, High Channel, 2180 MHz						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-21.12	-19	Pass			



BAND EDGE COMPLIANCE - MULTICARRIER



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	SD3239	ANC	2022-03-02	2023-03-02
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 $[-10 \cdot \log(4)]$ dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per section 27.53(h)(1) and RSS-139 6.6, the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm $[-13 \text{ dBm} - 10 \log(4)]$ per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per section 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 $[-13 \text{ dBm} - 10 \log(4)]$ per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Per 27.53(h)(3) and RSS-139 6.6, 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 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.

BAND EDGE COMPLIANCE - MULTICARRIER



TbTtx 2022.05.02.0 XMt 2022.02.07.0

EUT:	AHFII (FCC/ISED C2PC)	Work Order:	NOKI0050
Serial Number:	K9181401111	Date:	17-Oct-22
Customer:	Nokia of America Corporation	Temperature:	21.4 °C
Attendees:	Mitchell Hill	Humidity:	44.3% RH
Project:	None	Barometric Pres.:	1025 mbar
Tested by:	Brandon Hobbs	Power:	54 VDC
		Job Site:	TX07
TEST SPECIFICATIONS		Test Method	
FCC 24E:2022		ANSI C63.26:2015	
RSS-133 Issue 6:2013+A1:2018		ANSI C63.26:2015	
RSS-139 Issue 4:2022		ANSI C63.26:2015	
FCC 27:2022		ANSI C63.26:2015	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. The carriers were operating at the following maximum power levels for test case 3: 40 Watts per carrier on Band n66 and Band n25 for a total of 120 Watts. The carriers were operating at the following maximum power levels for test case 4: 40 Watts per carrier on Band n25 and Band n66 for a total of 120 Watts.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Frequency Range	Max Val (dBm) Limit (dBm) Result
Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW			
QPSK Modulation			
Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels			
	Lower Band Edge	1	-21.0 -19 Pass
	Lower Band Edge	2	-21.2 -19 Pass
	Lower Band Edge	3	-21.2 -19 Pass
	Lower Band Edge	4	-19.6 -19 Pass
	Lower Band Edge	5	-20.3 -19 Pass
Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels			
	Upper Band Edge	1	-21.2 -19 Pass
	Upper Band Edge	2	-21.4 -19 Pass
	Upper Band Edge	3	-21.0 -19 Pass
	Upper Band Edge	4	-20.8 -19 Pass
	Upper Band Edge	5	-20.8 -19 Pass
16-QAM Modulation			
Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels			
	Lower Band Edge	1	-21.1 -19 Pass
	Lower Band Edge	2	-21.4 -19 Pass
	Lower Band Edge	3	-21.4 -19 Pass
	Lower Band Edge	4	-20.0 -19 Pass
	Lower Band Edge	5	-20.4 -19 Pass
Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels			
	Upper Band Edge	1	-21.4 -19 Pass
	Upper Band Edge	2	-21.6 -19 Pass
	Upper Band Edge	3	-21.7 -19 Pass
	Upper Band Edge	4	-21.4 -19 Pass
	Upper Band Edge	5	-21.0 -19 Pass
64-QAM Modulation			
Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels			
	Lower Band Edge	1	-21.1 -19 Pass
	Lower Band Edge	2	-21.3 -19 Pass
	Lower Band Edge	3	-21.2 -19 Pass
	Lower Band Edge	4	-19.8 -19 Pass
	Lower Band Edge	5	-20.5 -19 Pass
Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels			
	Upper Band Edge	1	-21.3 -19 Pass
	Upper Band Edge	2	-25.1 -19 Pass
	Upper Band Edge	3	-21.7 -19 Pass
	Upper Band Edge	4	-21.3 -19 Pass
	Upper Band Edge	5	-21.0 -19 Pass
256-QAM Modulation			
Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels			
	Lower Band Edge	1	-21.1 -19 Pass
	Lower Band Edge	2	-21.3 -19 Pass
	Lower Band Edge	3	-21.2 -19 Pass
	Lower Band Edge	4	-19.8 -19 Pass
	Lower Band Edge	5	-20.6 -19 Pass
Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels			
	Upper Band Edge	1	-21.4 -19 Pass
	Upper Band Edge	2	-21.8 -19 Pass
	Upper Band Edge	3	-21.9 -19 Pass
	Upper Band Edge	4	-21.5 -19 Pass
	Upper Band Edge	5	-20.8 -19 Pass

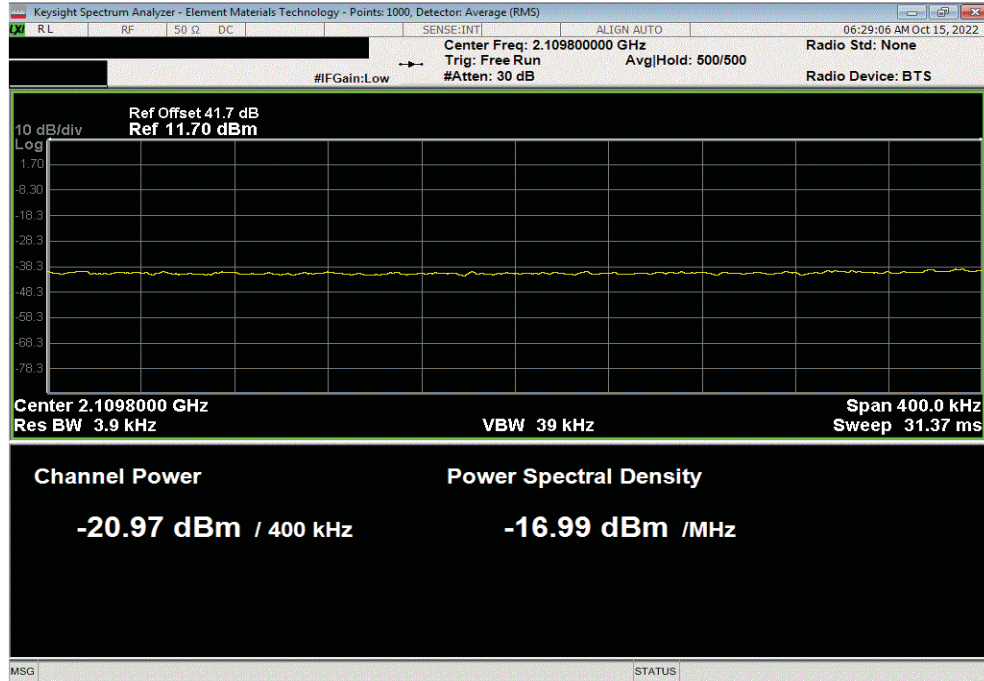
BAND EDGE COMPLIANCE - MULTICARRIER



TbTx 2022.05.02.0 XbTx 2022.02.07.0

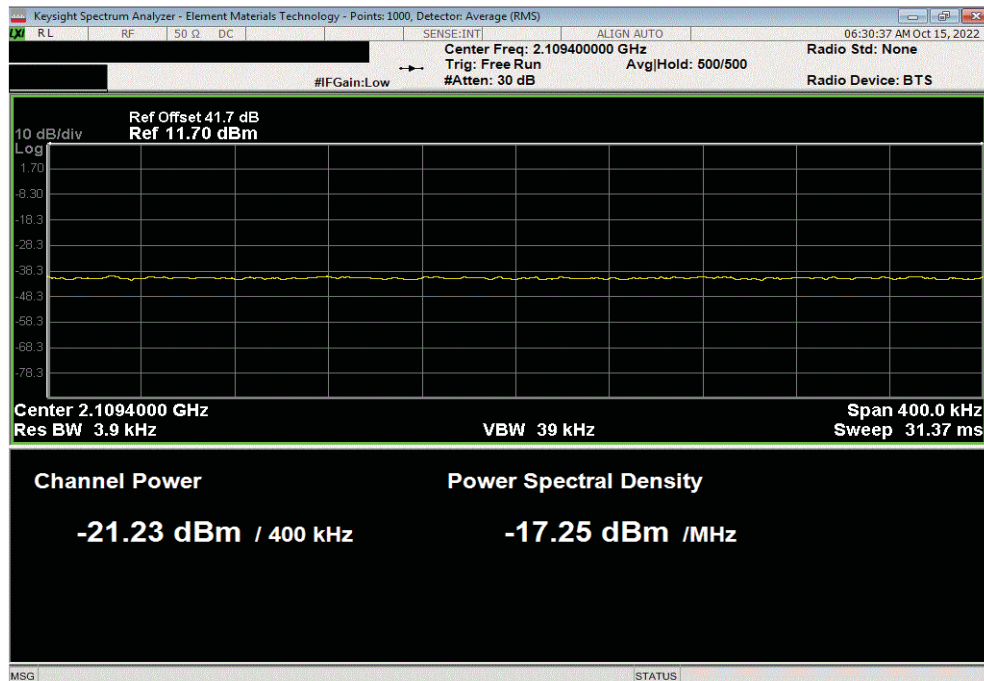
Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
1	-20.97	-19	Pass



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
2	-21.23	-19	Pass



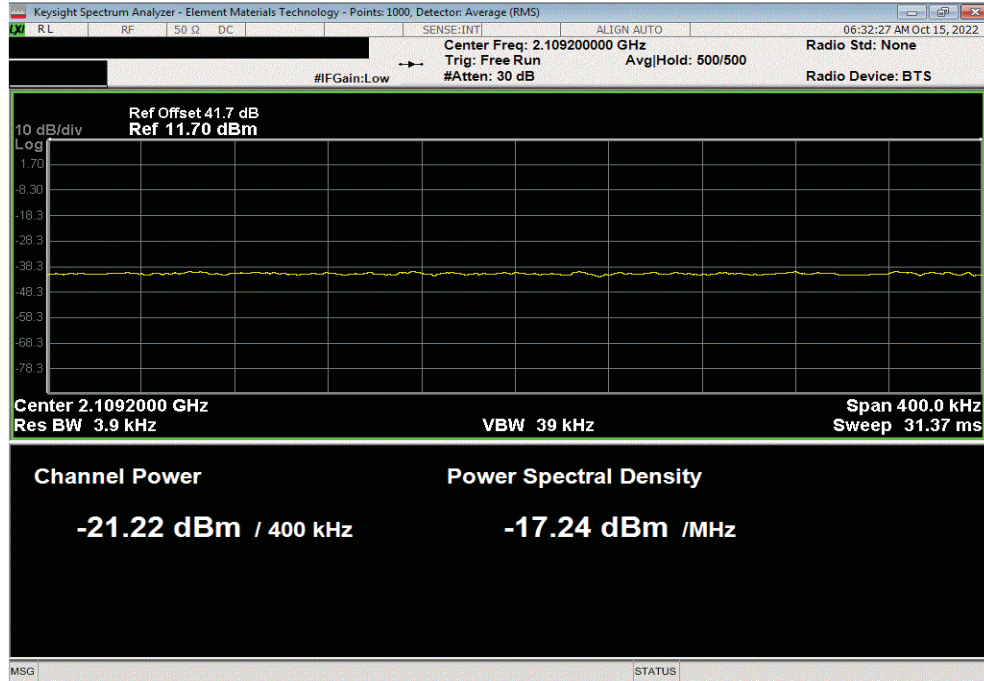
BAND EDGE COMPLIANCE - MULTICARRIER



TbTx 2022.05.02.0 XbTx 2022.02.07.0

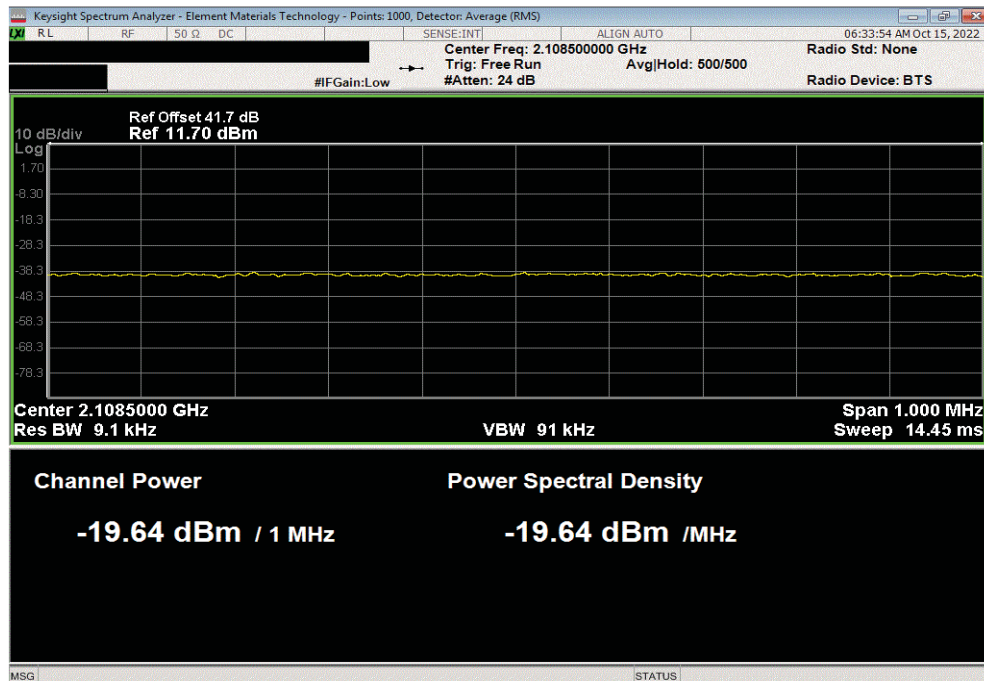
Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
3	-21.22	-19	Pass



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
4	-19.64	-19	Pass



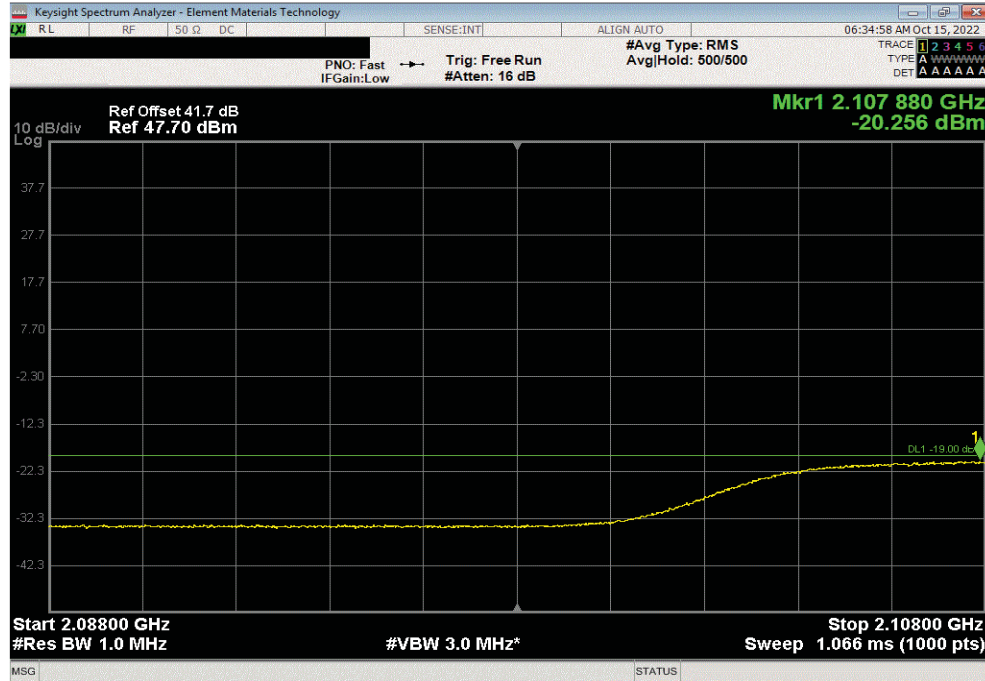
BAND EDGE COMPLIANCE - MULTICARRIER



TbTx 2022.05.02.0 XbTx 2022.02.07.0

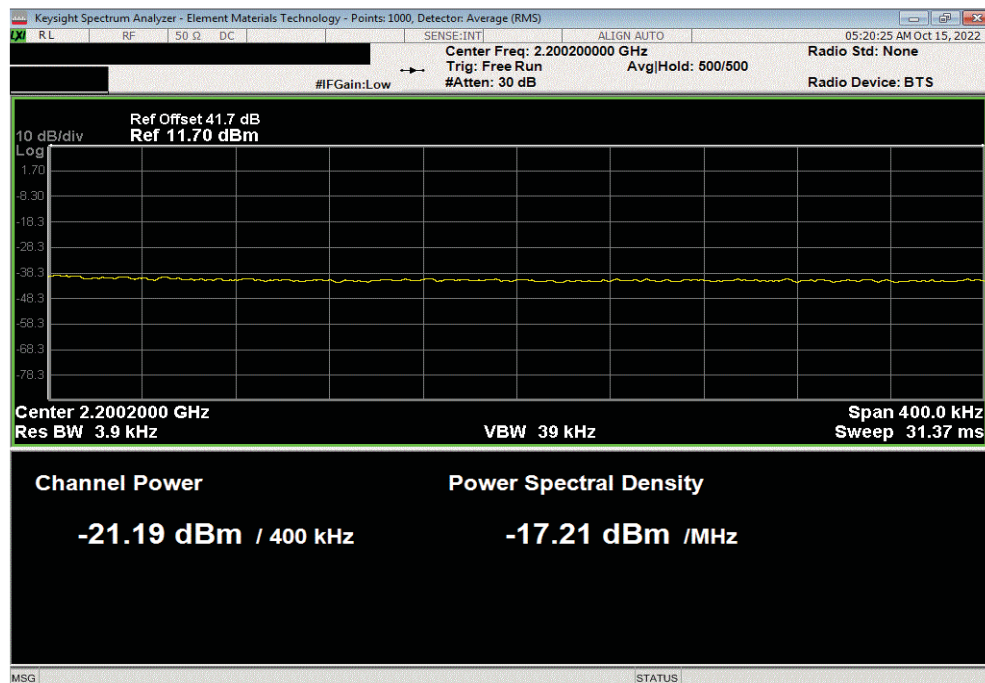
Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
5	-20.26	-19	Pass



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge

Frequency Range	Max Value (dBm)	Limit (dBm)	Result
1	-21.19	-19	Pass

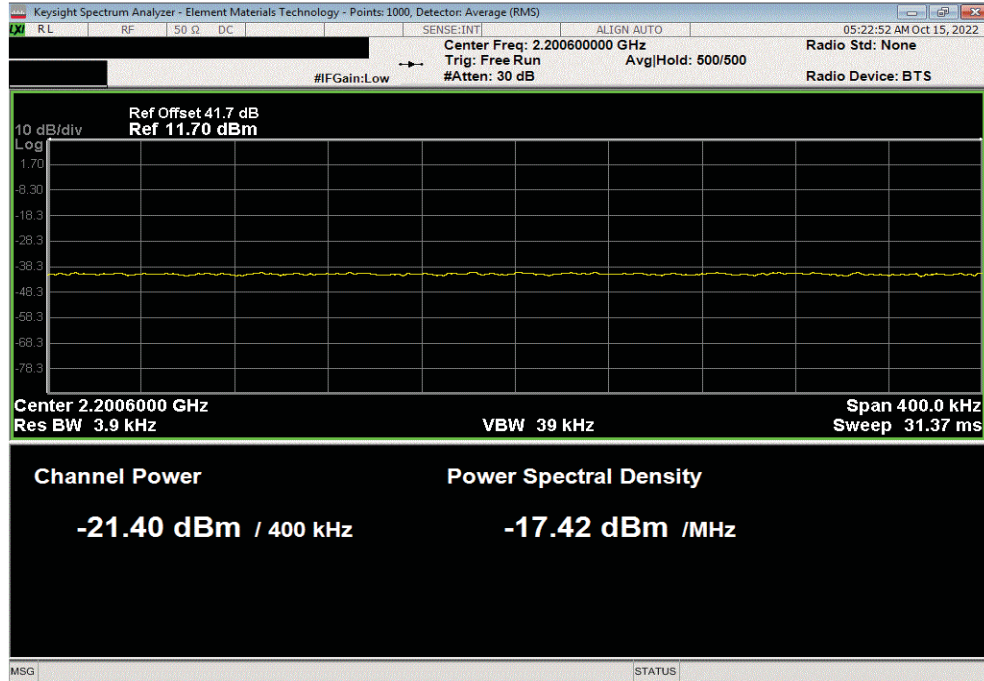


BAND EDGE COMPLIANCE - MULTICARRIER

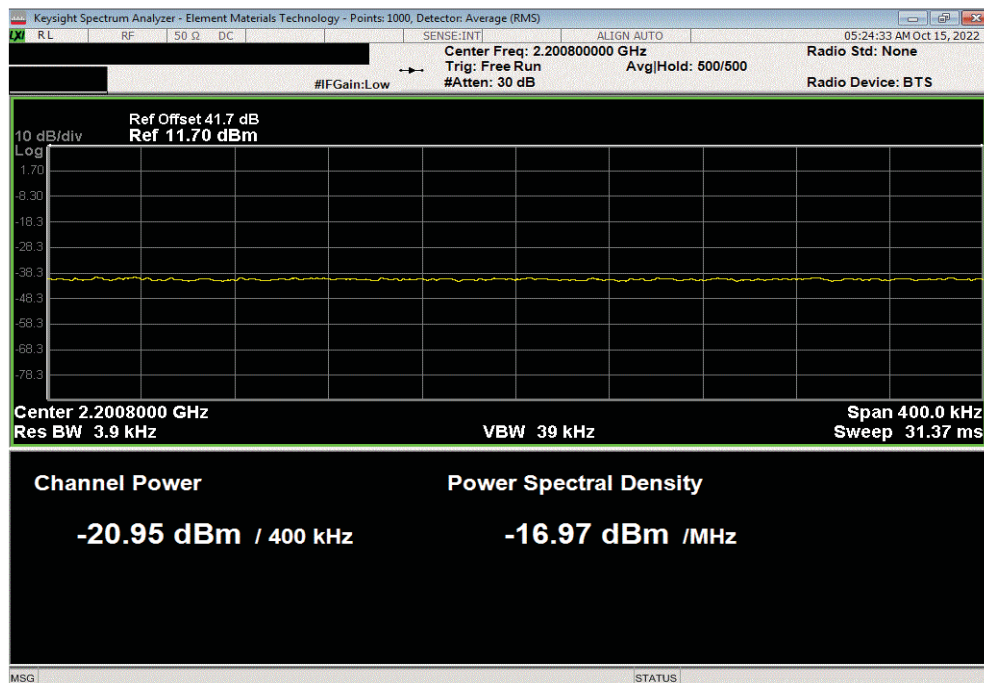


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.40	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-20.95	-19	Pass			

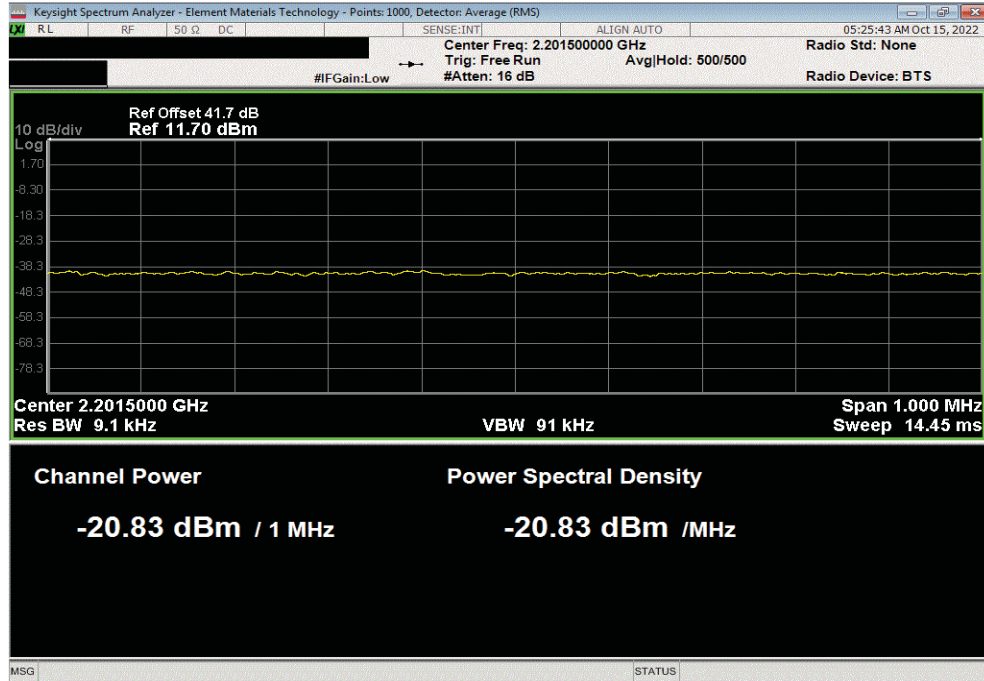


BAND EDGE COMPLIANCE - MULTICARRIER

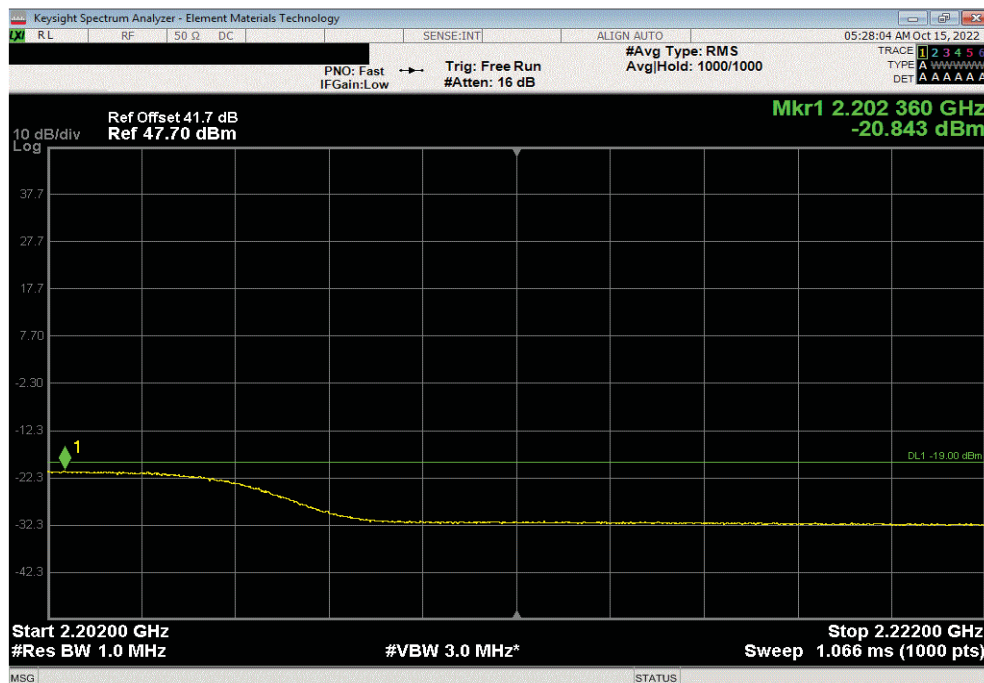


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-20.83	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, QPSK Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.84	-19	Pass			

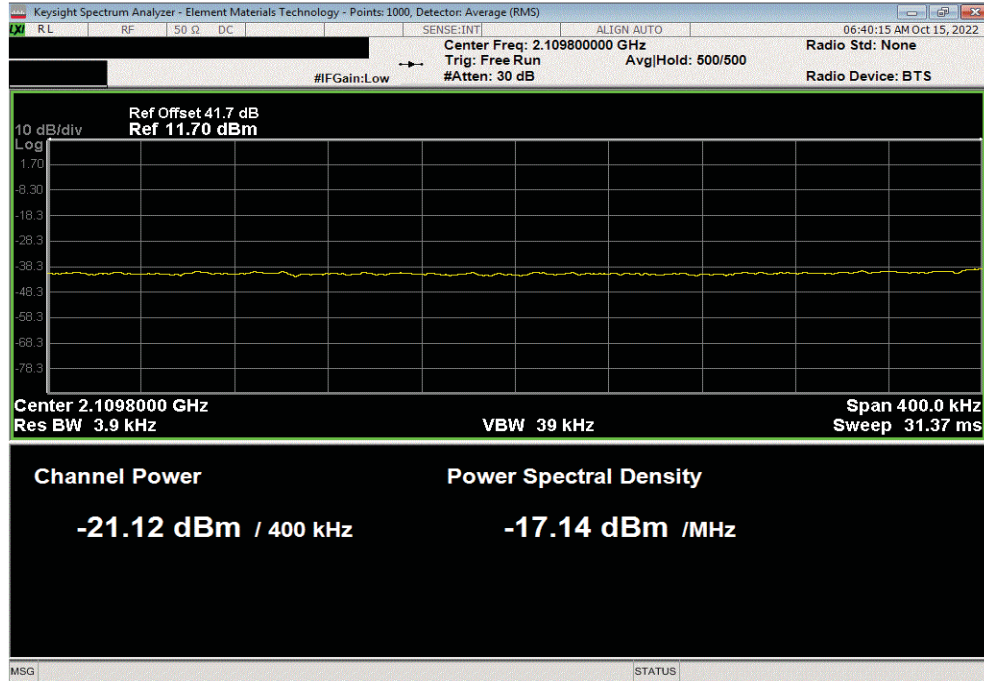


BAND EDGE COMPLIANCE - MULTICARRIER

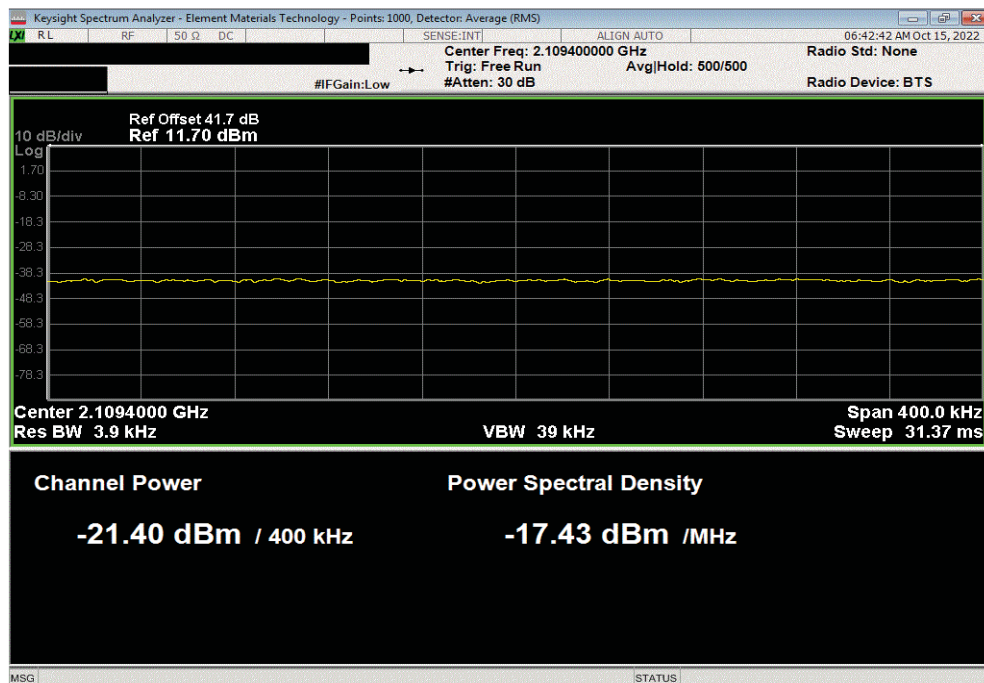


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.12	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.40	-19	Pass			

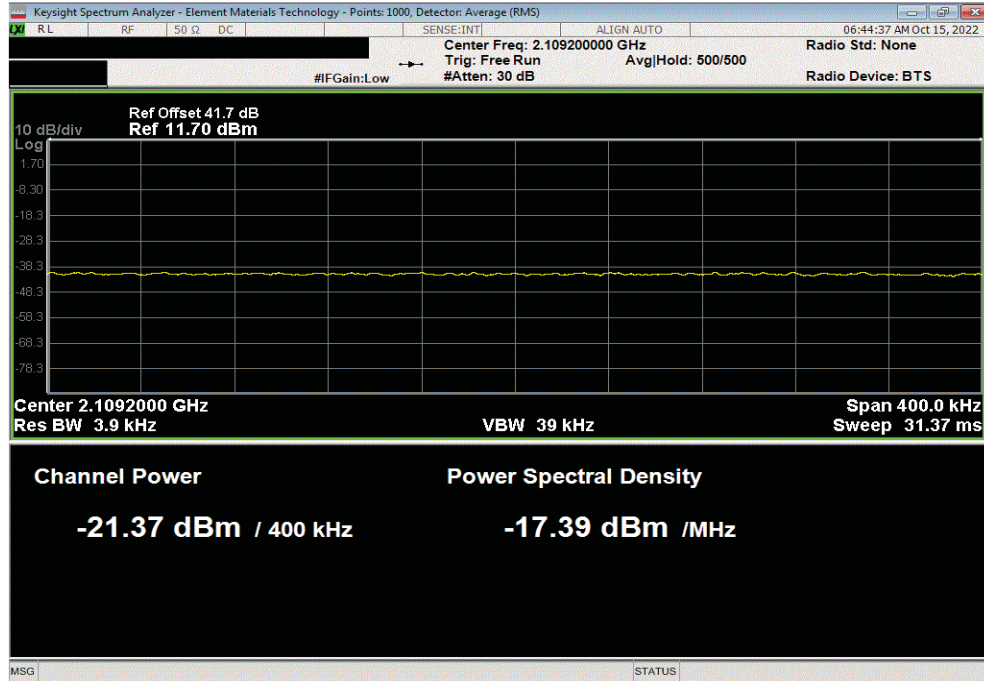


BAND EDGE COMPLIANCE - MULTICARRIER

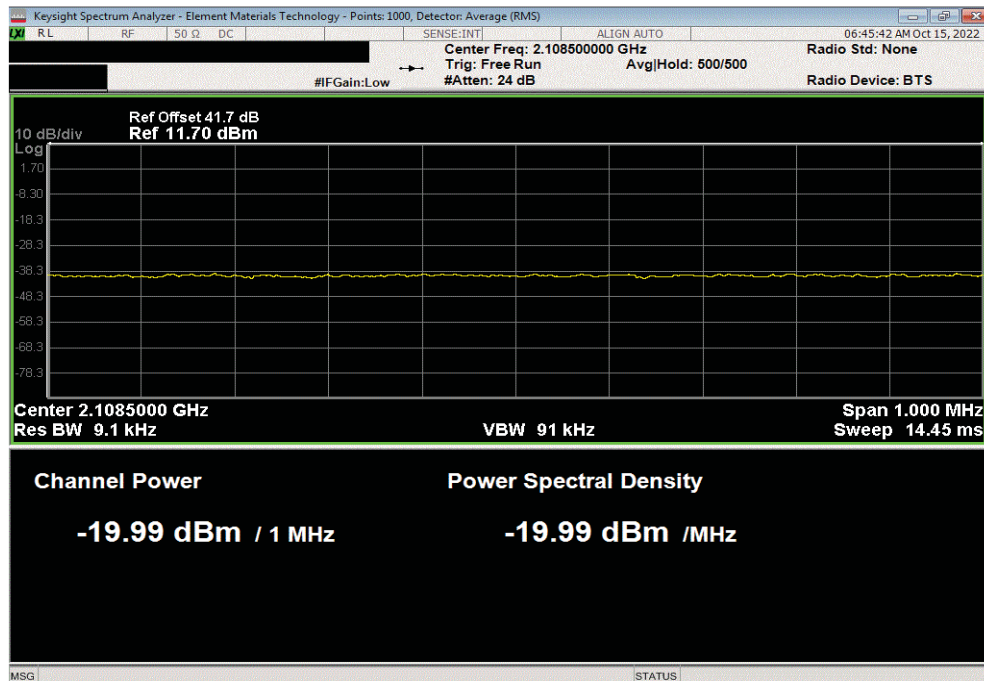


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.37	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-19.99	-19	Pass			

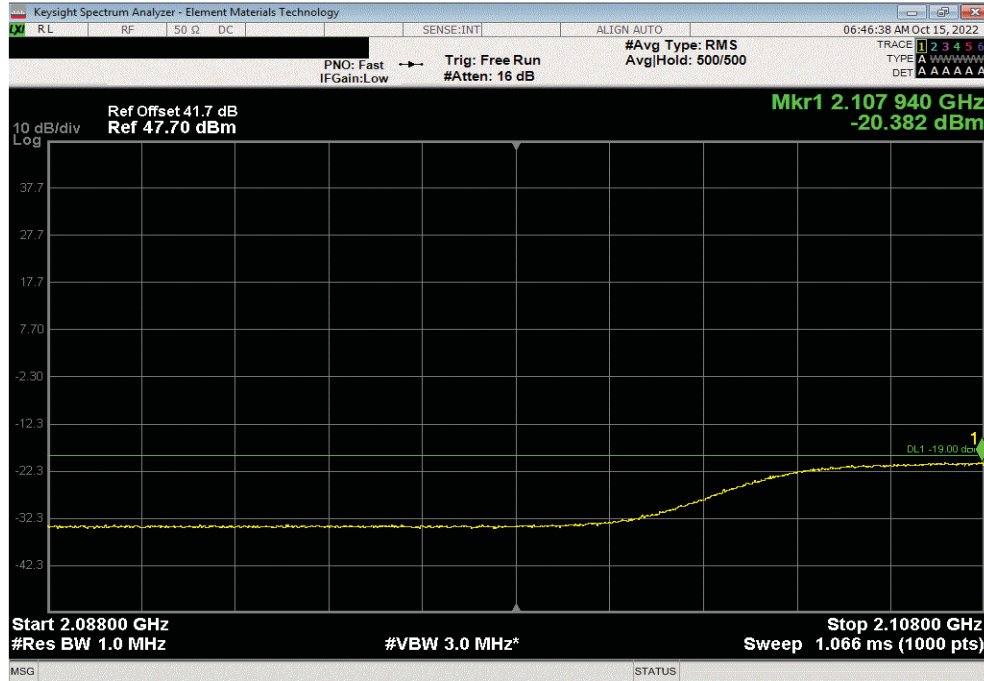


BAND EDGE COMPLIANCE - MULTICARRIER

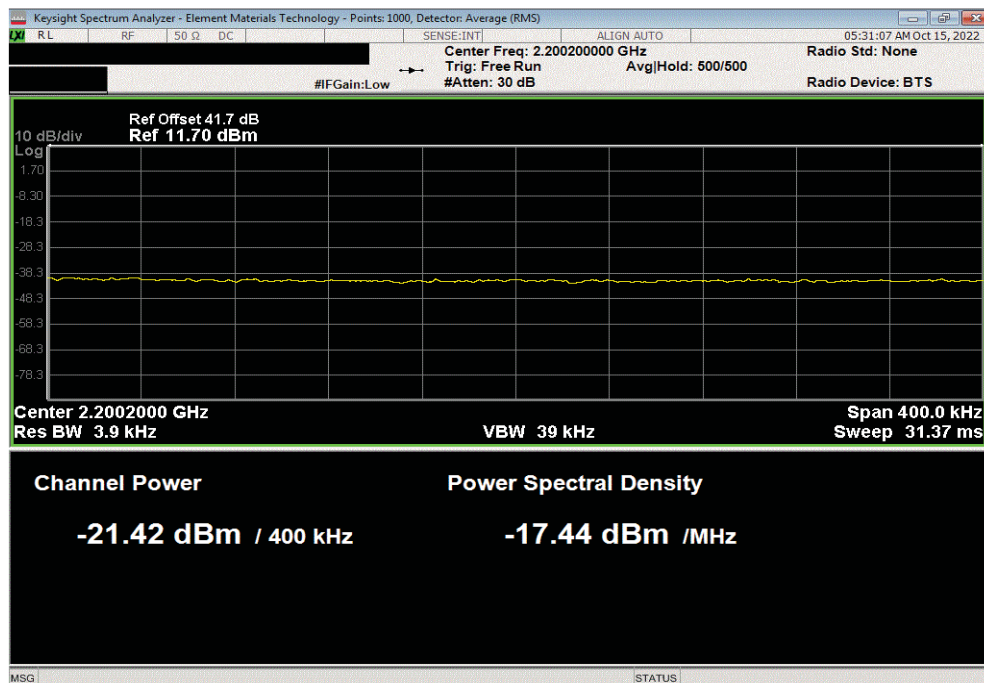


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.38	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.42	-19	Pass			

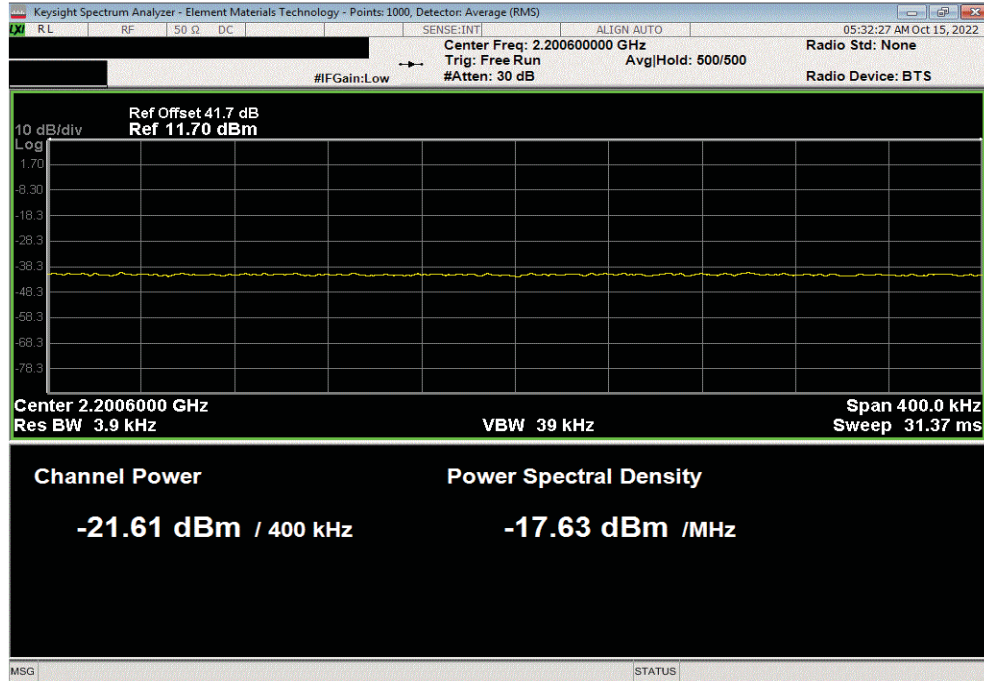


BAND EDGE COMPLIANCE - MULTICARRIER

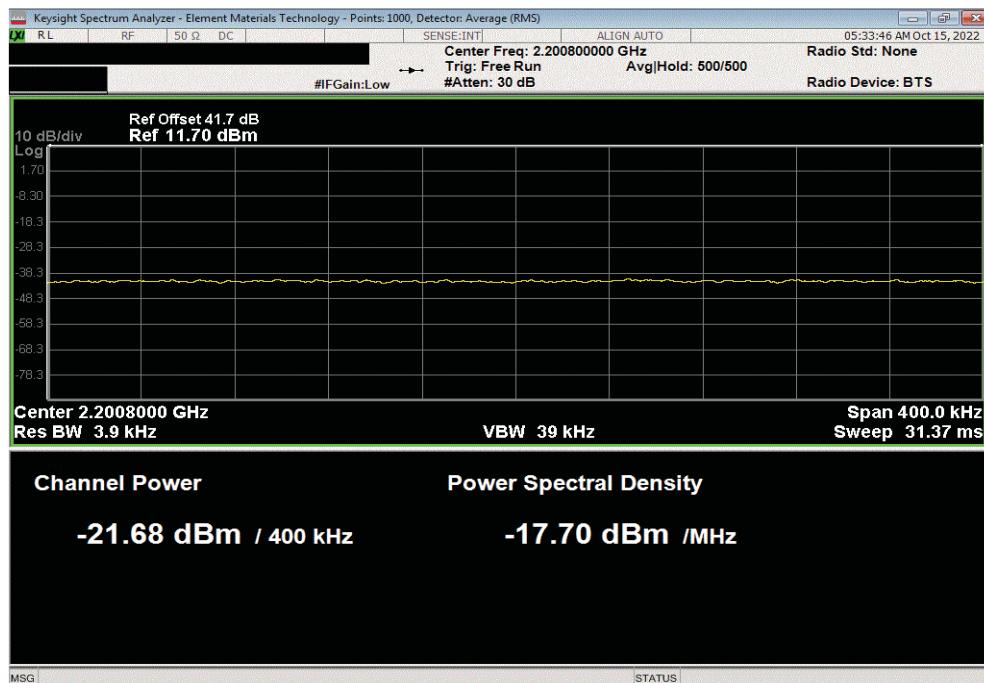


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.61	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.68	-19	Pass			

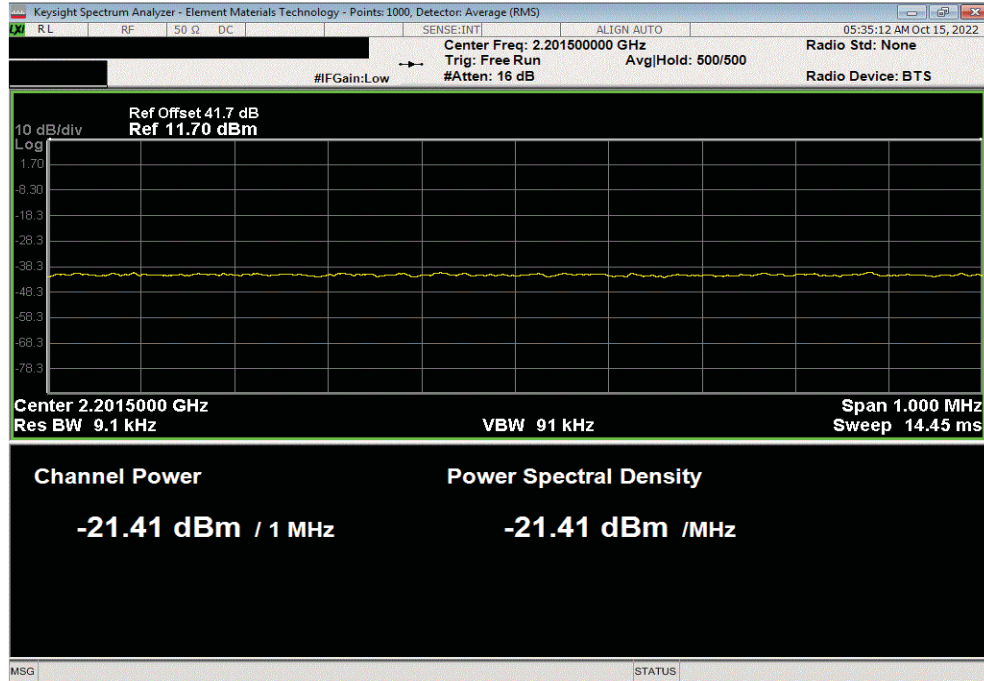


BAND EDGE COMPLIANCE - MULTICARRIER

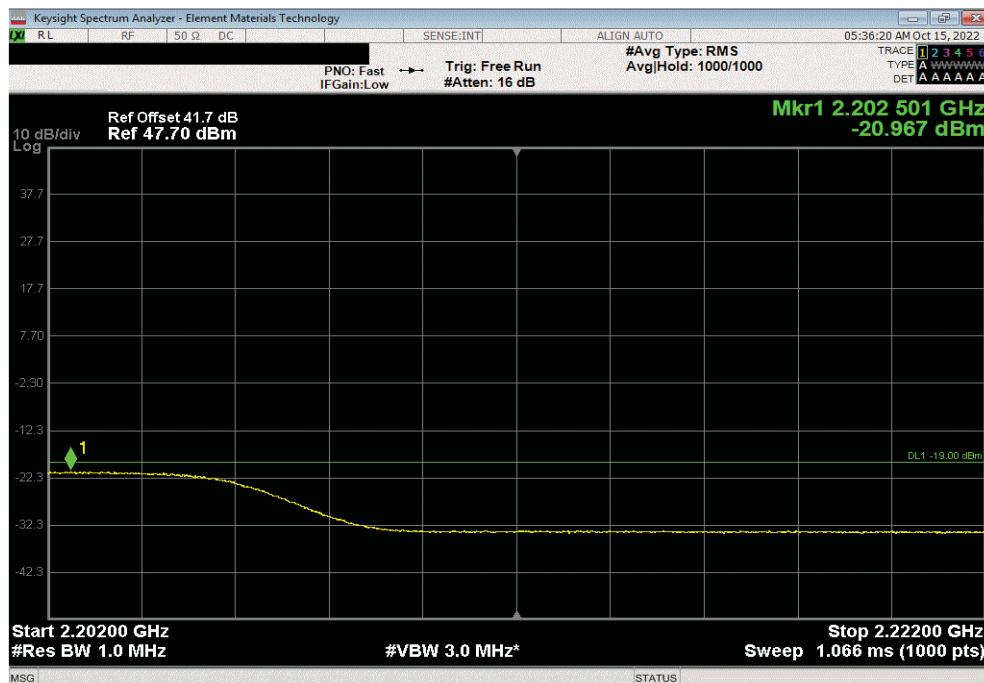


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.41	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 16-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.97	-19	Pass			

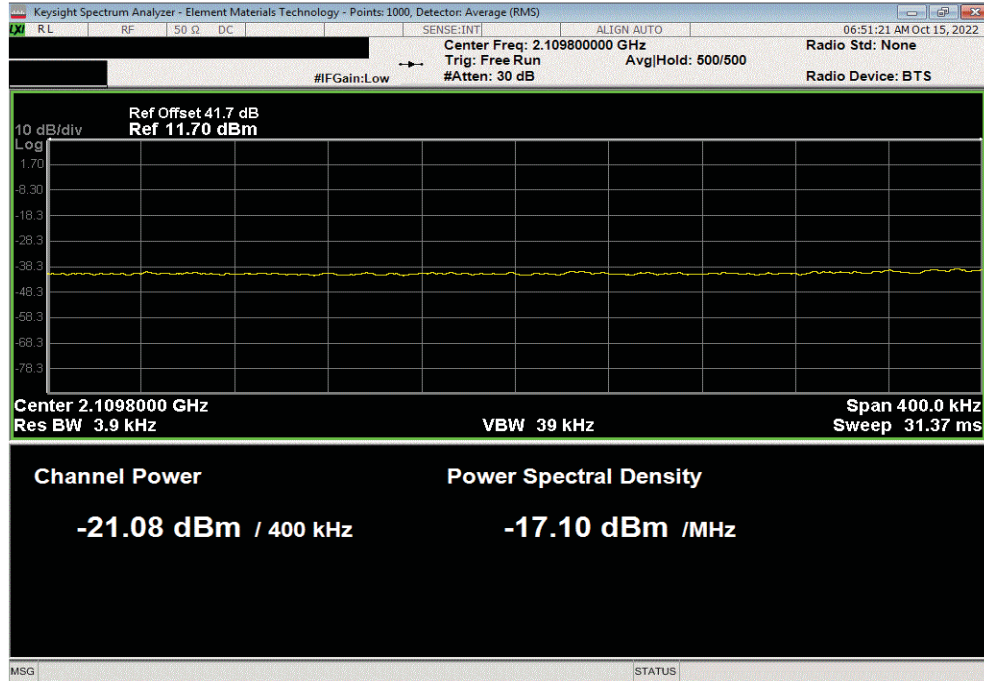


BAND EDGE COMPLIANCE - MULTICARRIER

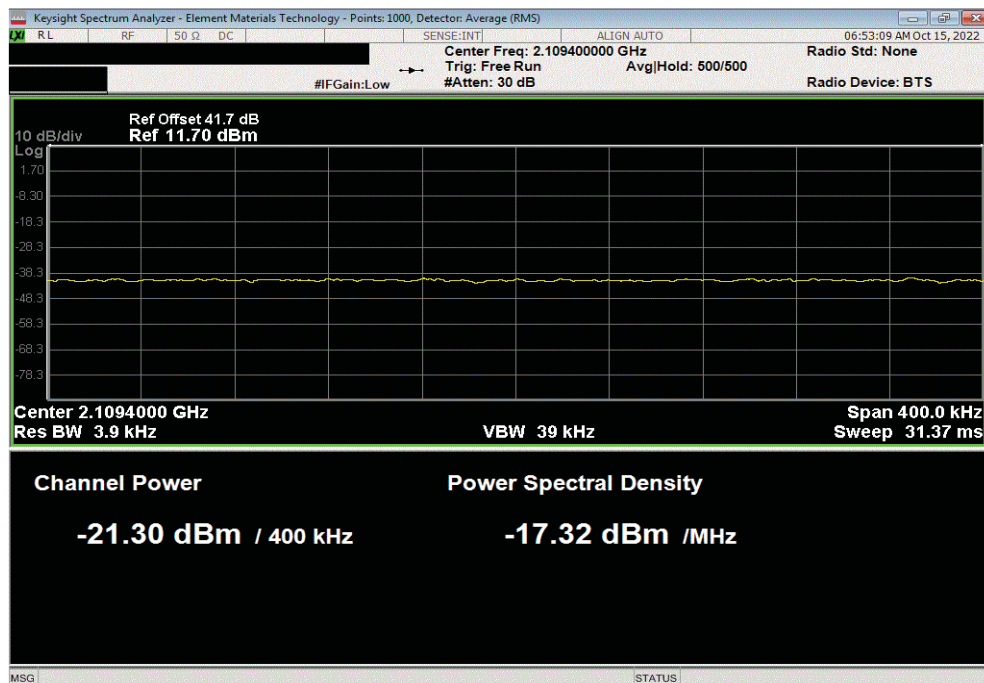


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.08	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.30	-19	Pass			

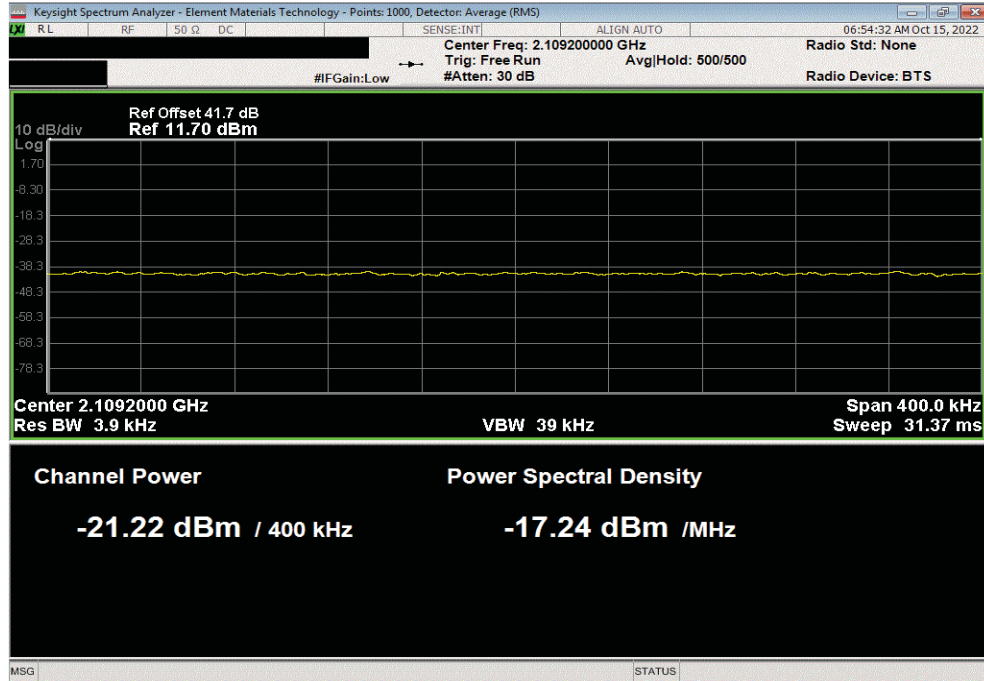


BAND EDGE COMPLIANCE - MULTICARRIER

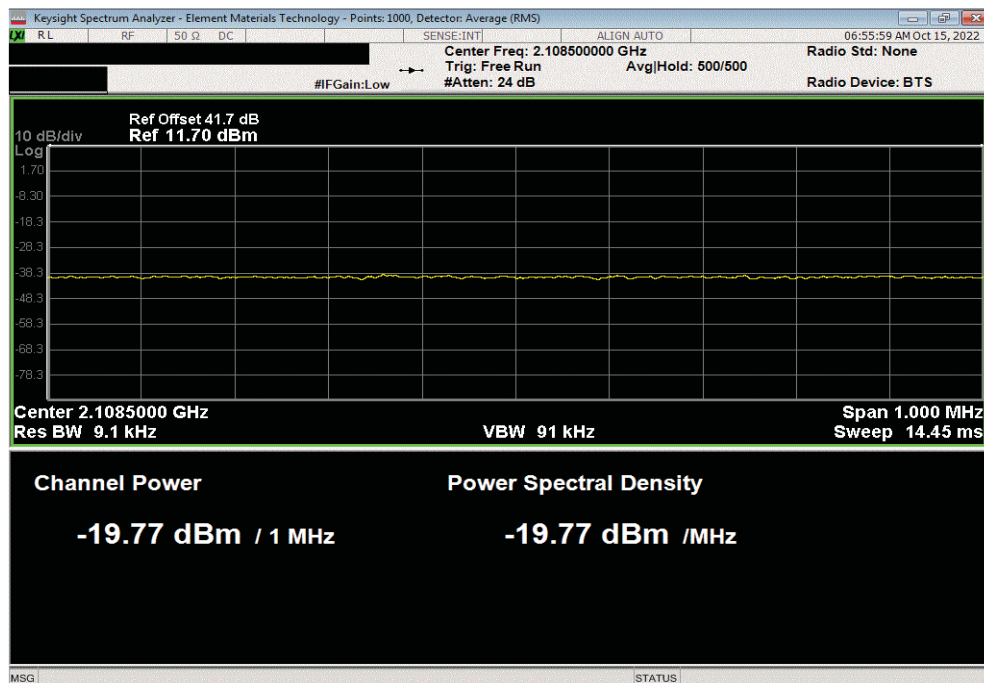


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.22	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-19.77	-19	Pass			

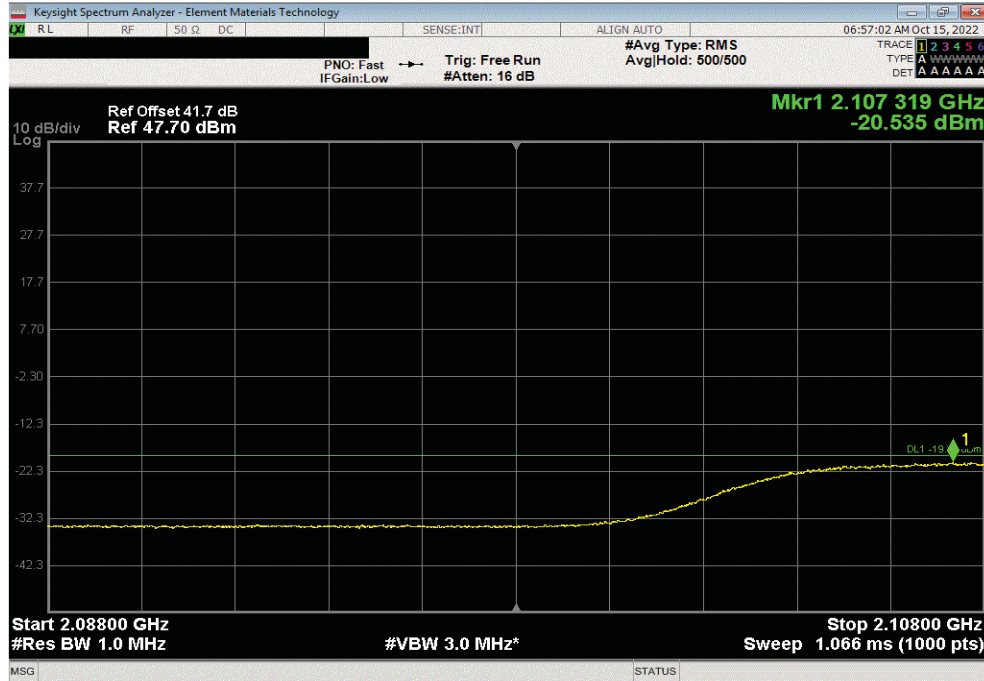


BAND EDGE COMPLIANCE - MULTICARRIER

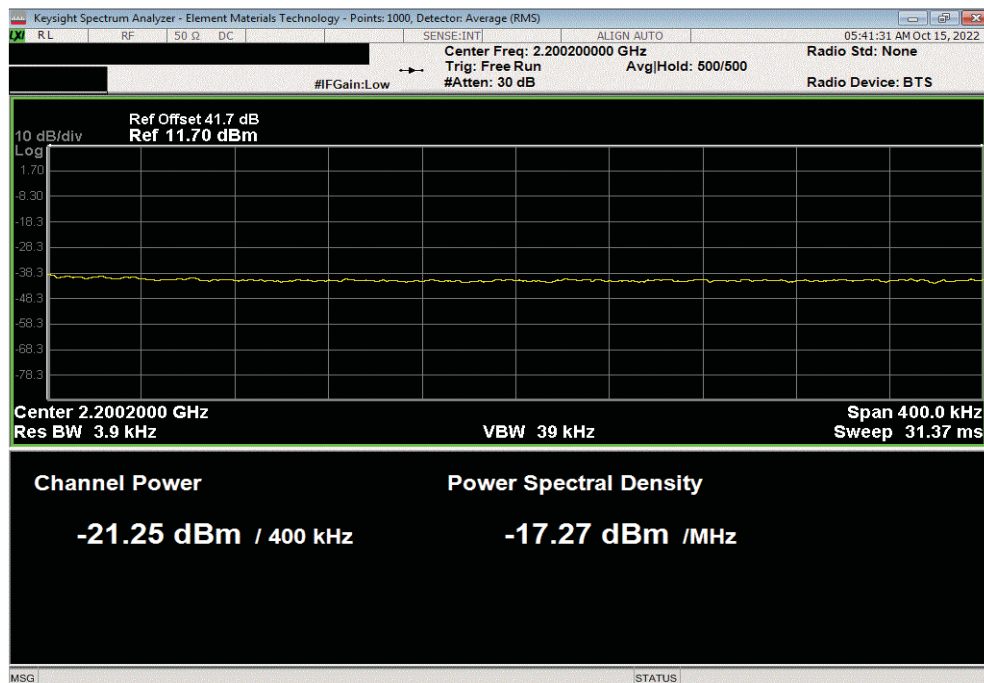


TbTtx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.54	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.25	-19	Pass			

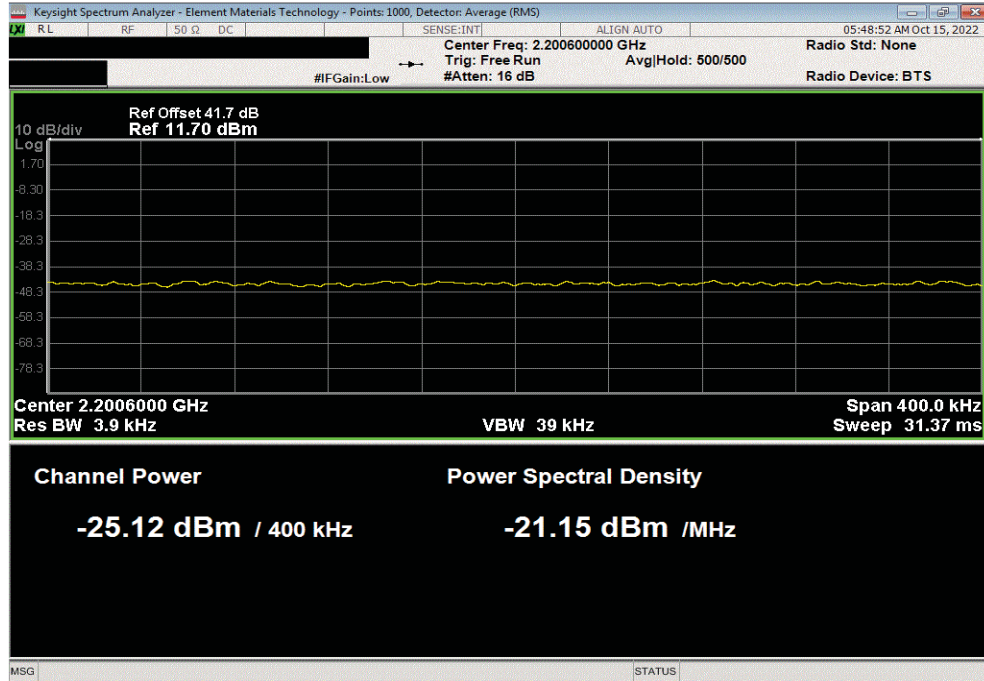


BAND EDGE COMPLIANCE - MULTICARRIER

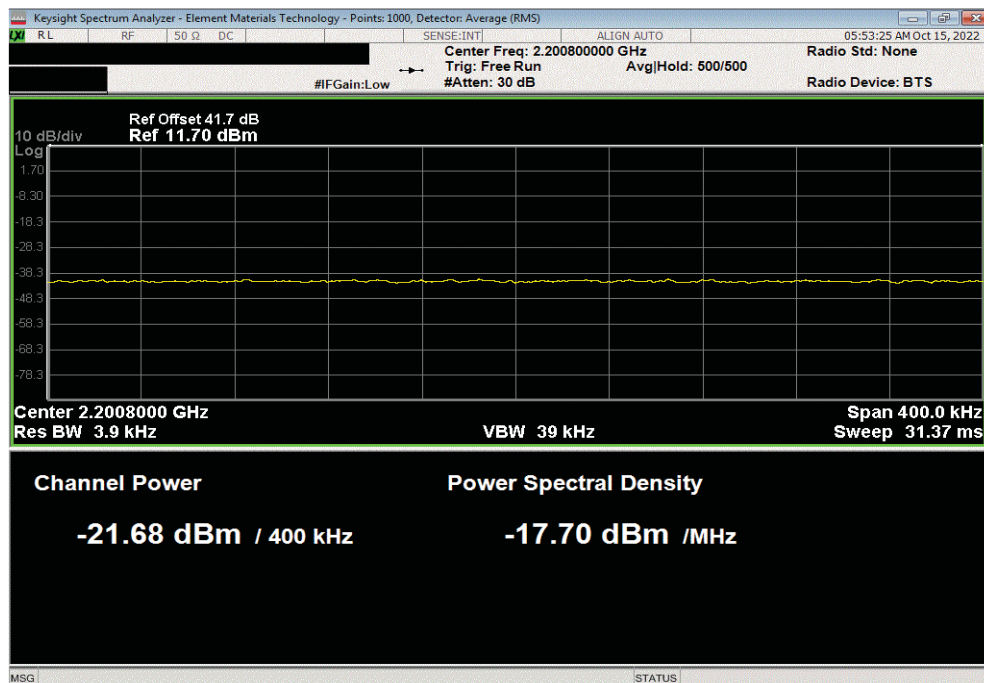


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-25.12	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.68	-19	Pass			

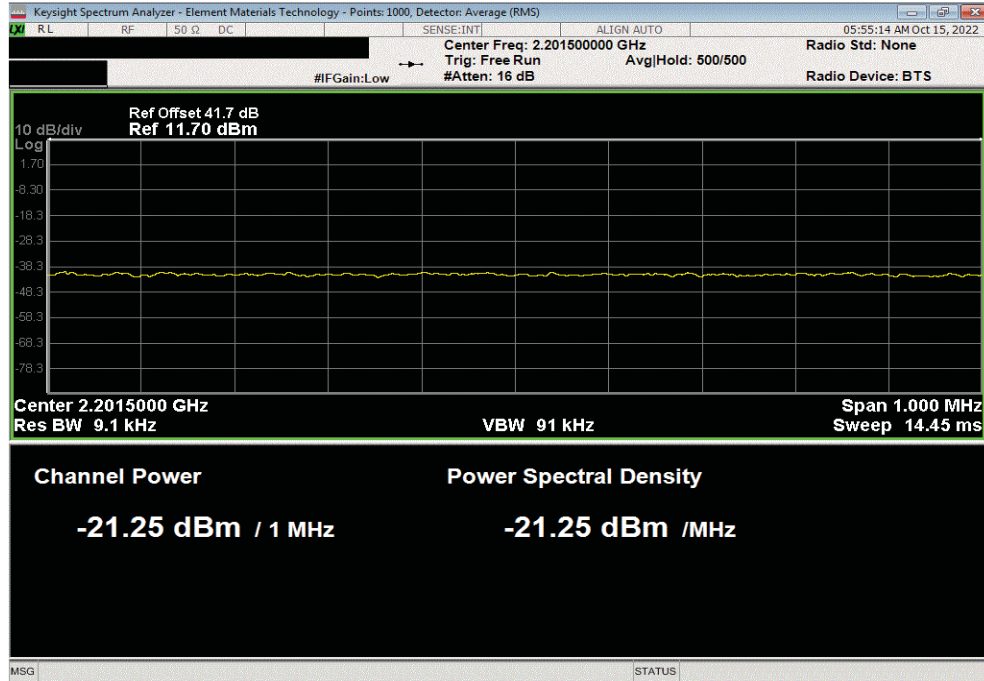


BAND EDGE COMPLIANCE - MULTICARRIER

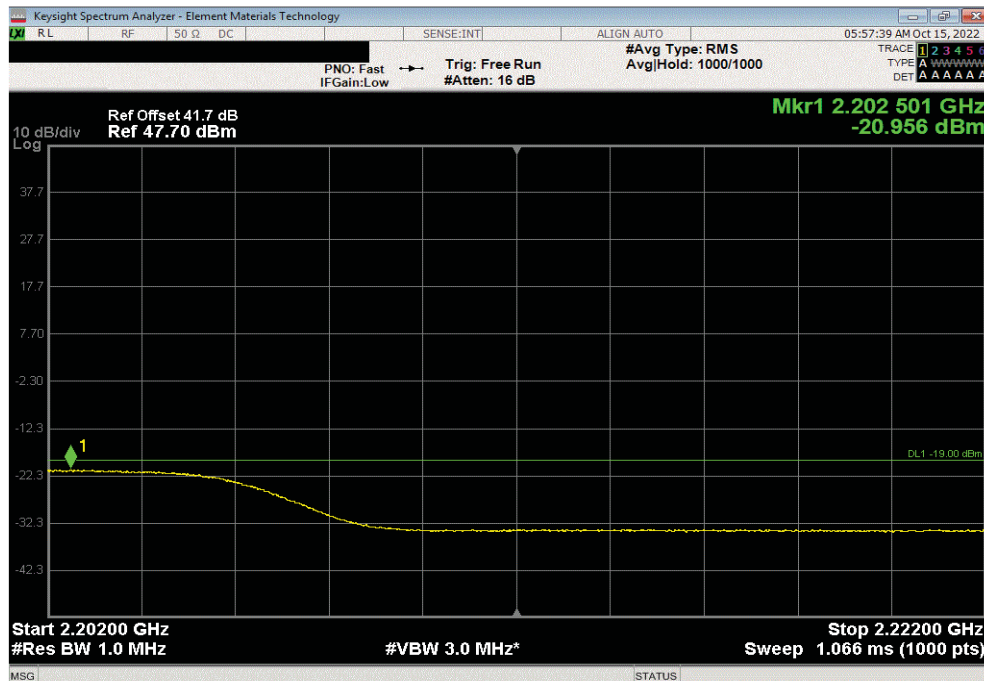


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.25	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 64-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.96	-19	Pass			

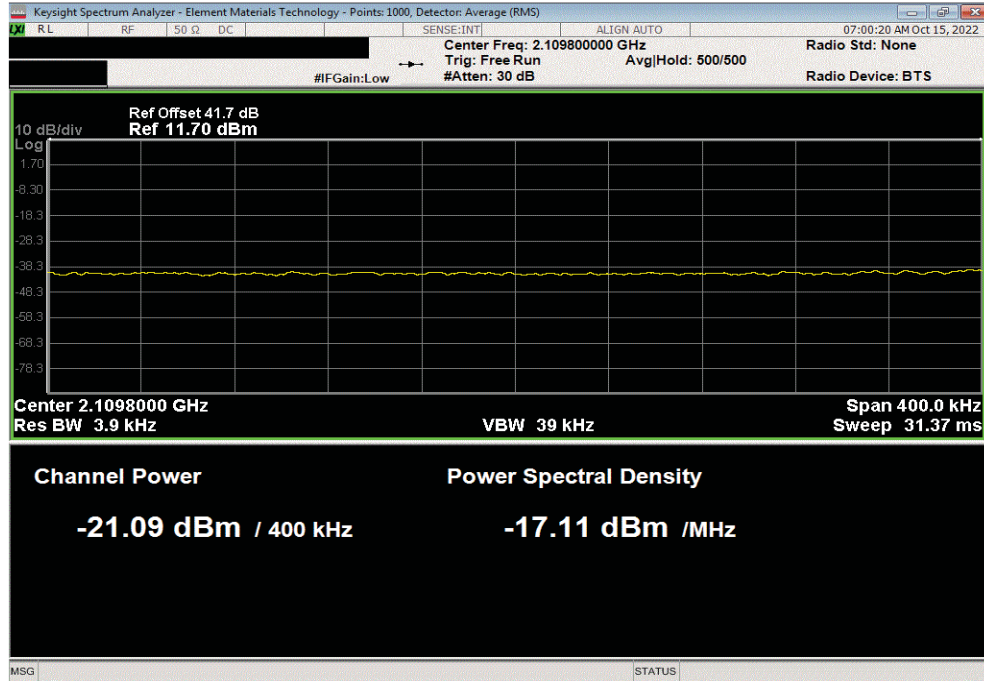


BAND EDGE COMPLIANCE - MULTICARRIER

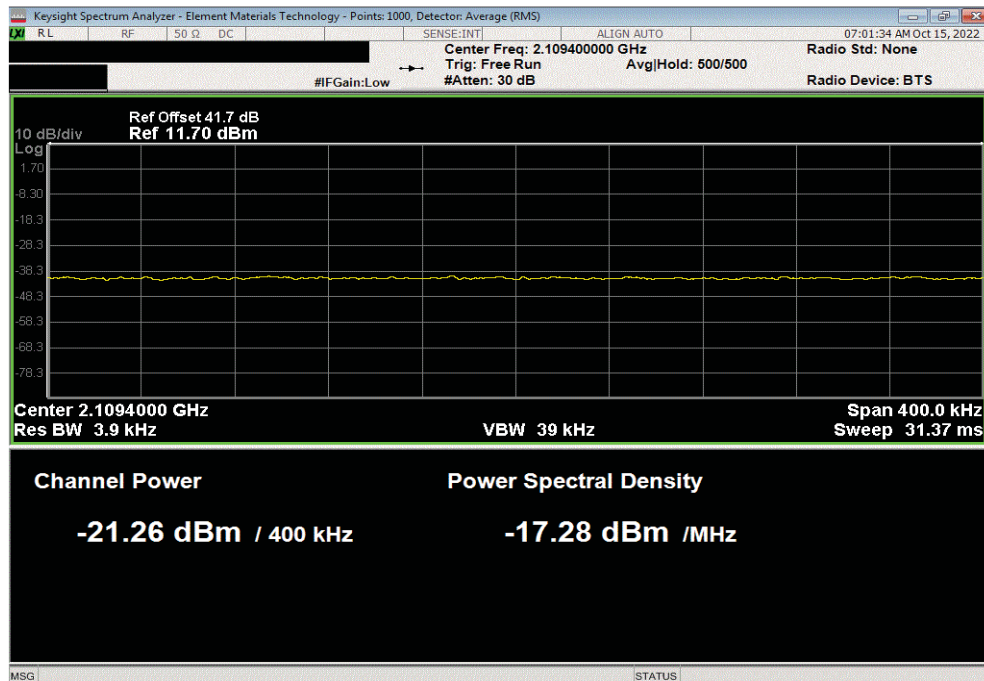


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.09	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.26	-19	Pass			

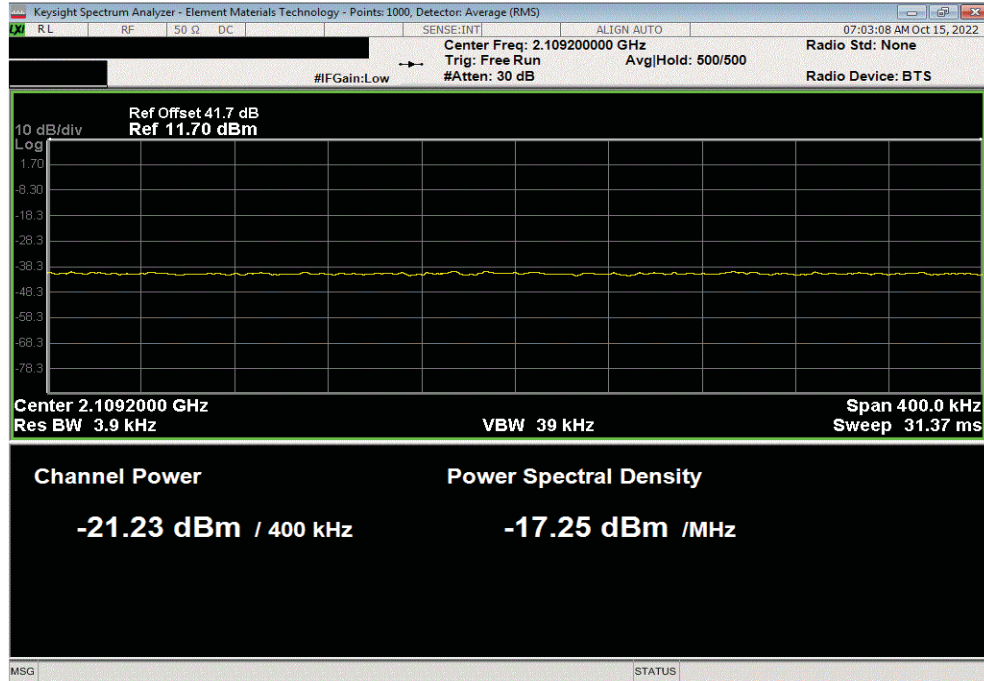


BAND EDGE COMPLIANCE - MULTICARRIER

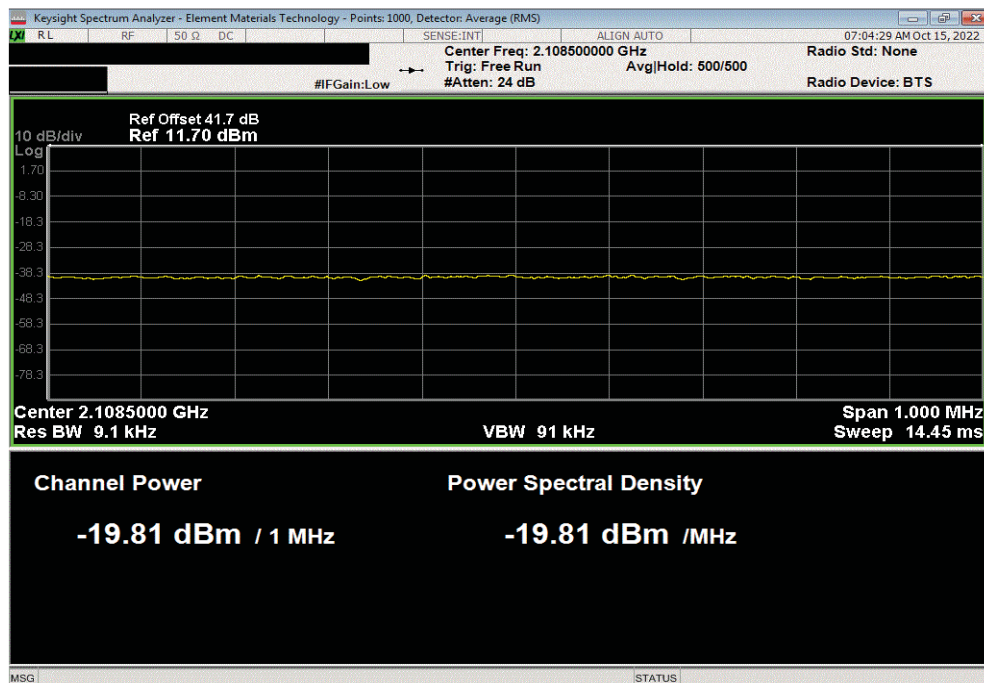


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.23	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-19.81	-19	Pass			

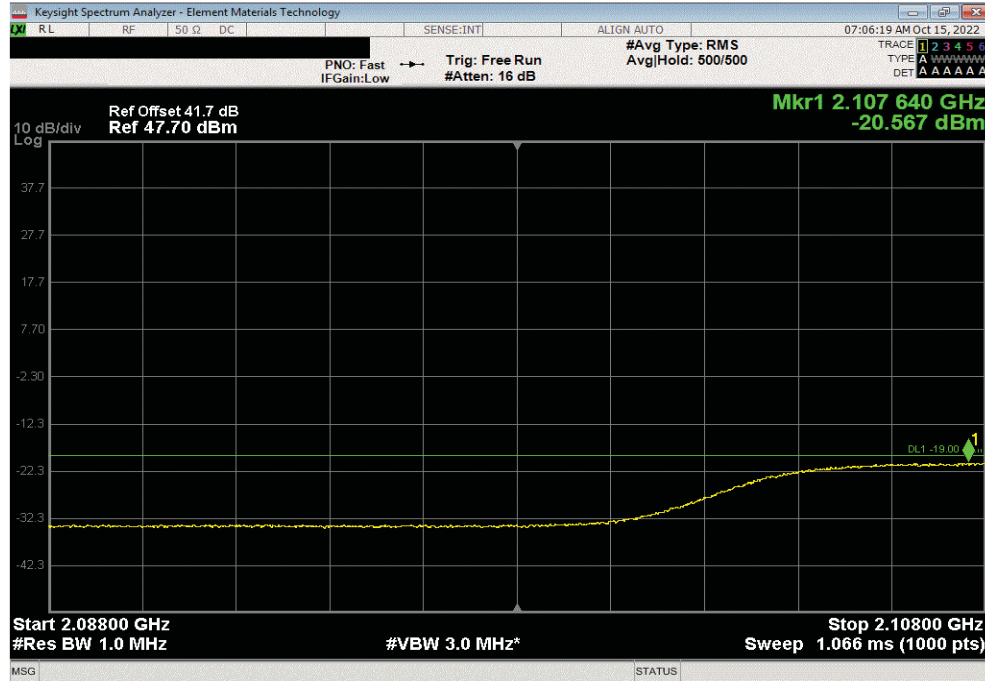


BAND EDGE COMPLIANCE - MULTICARRIER

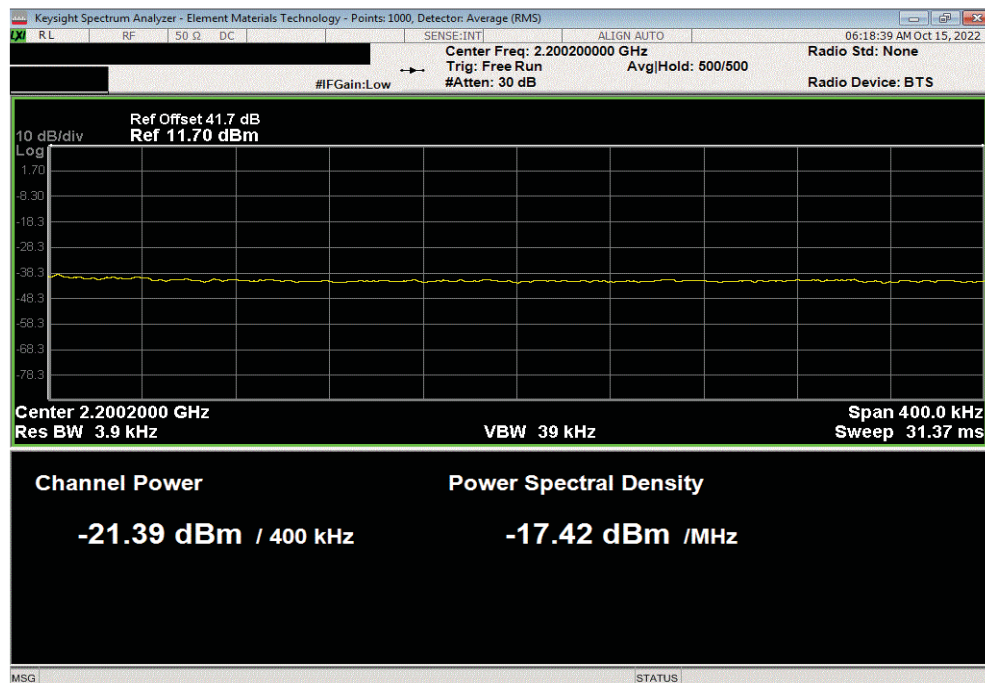


TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 3, 2130MHz, 2170MHz and 1962.5 MHz Channels, Lower Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.57	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
1	-21.39	-19	Pass			

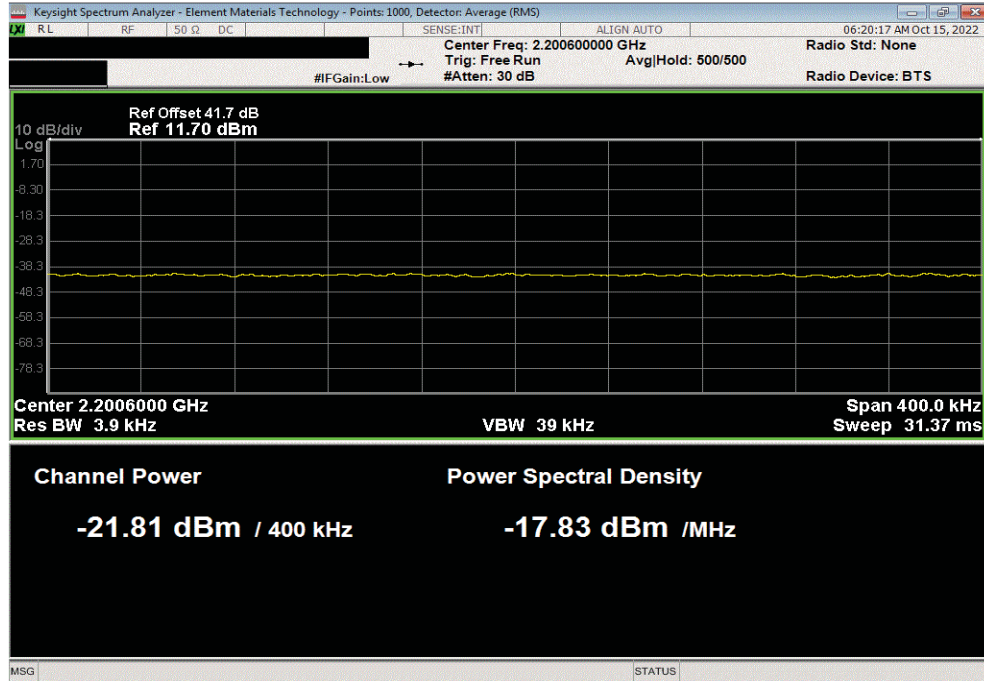


BAND EDGE COMPLIANCE - MULTICARRIER

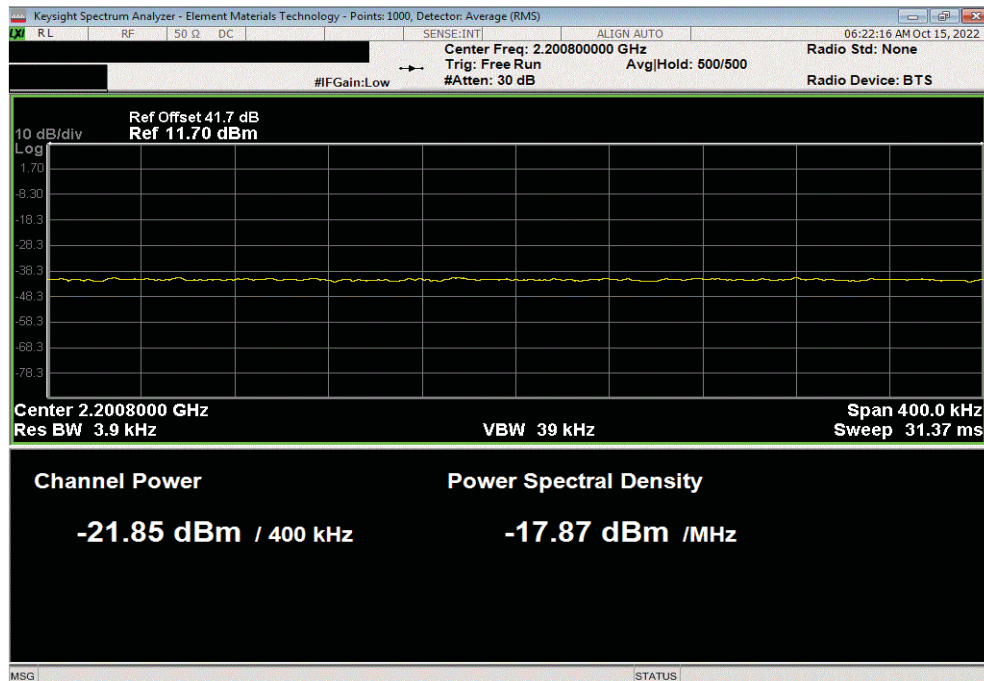


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
2	-21.81	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
3	-21.85	-19	Pass			

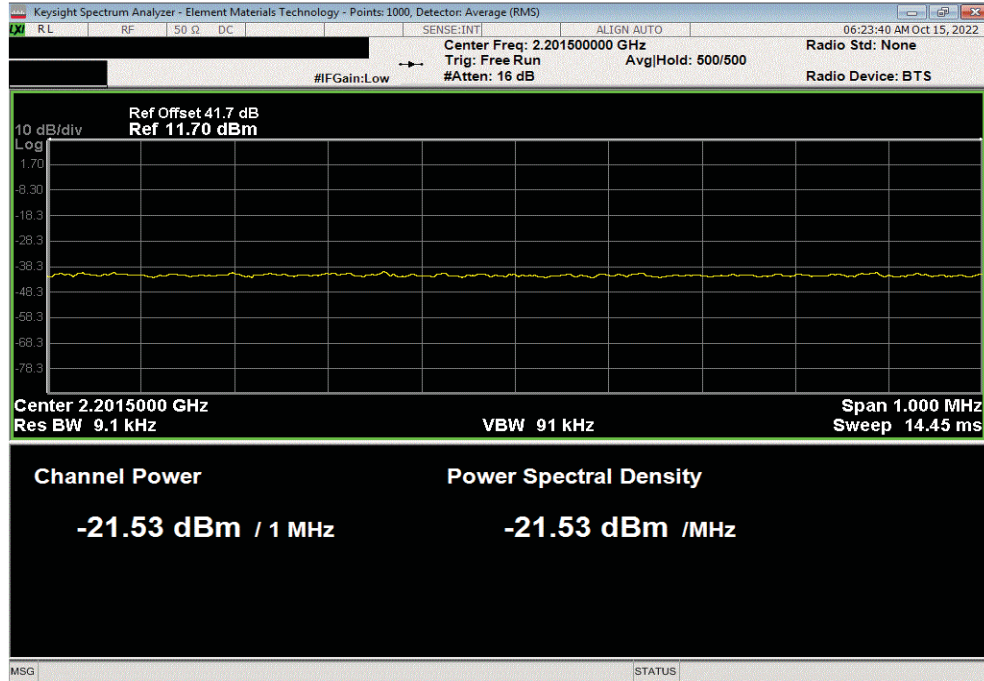


BAND EDGE COMPLIANCE - MULTICARRIER



TbTx 2022.05.02.0 XbTx 2022.02.07.0

Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
4	-21.53	-19	Pass			



Port 3, AWS Band n66 and PCS Band n25, 40MHz Channel BW, 256-QAM Modulation, Test Case 4, 2140MHz, 2180MHz and 1962.5 MHz Channels, Upper Band Edge						
Frequency Range	Max Value (dBm)	Limit (dBm)	Result			
5	-20.80	-19	Pass			

