

BAND EDGE COMPLIANCE - MULTIBAND 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
Block - DC	Fairview Microwave	SD3379	AMM	2022-09-09	2023-09-09
Block - DC	Fairview Microwave	SD3239	ANC	2022-03-02	2023-03-02
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
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.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (AHFIB) as the original certification test. The AHFIB antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in original 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.

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 FCC 24.238(a), 27.53(h)(1), RSS 133 6.5 (i), RSS-139 section 5.6 - 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. The RBW to be used for these measurements are per FCC 24.238(b), 27.53(h)(3), RSS 133 6.5 (i), RSS-139 5.6. 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). The requirements for FCC/IC measurements are detailed in KDB971168 D01 v03r01 and ANSI 63.26.

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EUT: AHFIB		Work Order: NOKI0049	
Serial Number: K9181401111		Date: 30-Sep-22	
Customer: Nokia of America Corporation		Temperature: 21 °C	
Attendees: John Rattanavong		Humidity: 41.6% RH	
Project: None		Barometric Pres.: 1012 mbar	
Tested by: Marty Martin		Power: 54 VDC	
		Job Site: TX07	
TEST SPECIFICATIONS		Test Method	
FCC 27:2020		ANSI C63.26:2015	
FCC Part 24: 2022			
RSS-133:2018		RSS-133:2018	
RSS-139:2015		RSS-139:2015	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including any attenuators, filters and DC blocks. Multi carrier test case 1 and 2: The carriers are operated at maximum power (~20W/PCS carrier and 40W/AWS carrier) with a total port power of 80 watts. Multi carrier test case 3 and 4: The carriers are operated at maximum power (~20W/AWS carrier and 40W/PCS carrier) with a total port power of 80 watts. Multi carrier test case 5: The carriers are operated at maximum power (~13.3W/AWS carrier and ~13.3W/PCS carrier) with a total port power of 80 watts.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	2	Signature 	
		Frequency Range	Measured Freq (MHz)
			Max Valu (dBm)
			Limit (dBm)
			Result
Port 1, NR, PCS Band and AWS Band, MultiCarrier			
QPSK			
Low Side			
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		1	1930
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		2	1928.5
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		3	1927.55
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		1	2110
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		2	2108.5
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		3	2107.91
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		1	1930
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		2	1928.5
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		3	1928
High Side			
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		1	1995
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		2	1996.5
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		3	1997.09
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		1	2200
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		2	2201.5
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		3	2202.13
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		1	1995
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		2	1996.5
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		3	1997.24
16QAM			
Low Side			
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		1	1930
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		2	1928.5
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		3	1927.95
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		1	2110
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		2	2108.5
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		3	2107.93
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		1	1930
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		2	1928.5
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		3	1927.86
High Side			
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		1	1995
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		2	1996.5
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW		3	1997.15
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		1	2200
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		2	2201.5
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and		3	2202.03
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		1	1995
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		2	1996.5
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		3	1997.13
64QAM			
Low Side			
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		1	1930
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		2	1928.5
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW		3	1927.81
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		1	2110
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		2	2108.5
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and		3	2107.67
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		1	1930
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		2	1928.5
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W		3	1927.89

High Side						
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	1	1995	-26.48	-19	Pass	
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	2	1996.5	-22.92	-19	Pass	
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	3	1997.02	-22.886	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	1	2200	-27.16	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	2	2201.5	-23.66	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	3	2202.34	-23.52	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	1	1995	-25.38	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	2	1996.5	-21.65	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	3	1997.09	-21.54	-19	Pass	
256QAM						
Low Side						
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW	1	1930	-28.61	-19	Pass	
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW	2	1928.5	-25.26	-19	Pass	
MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW	3	1927.88	-24.74	-19	Pass	
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and	1	2110	-27.41	-19	Pass	
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and	2	2108.5	-23.95	-19	Pass	
MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and	3	2107.65	-23.61	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	1	1930	-26.11	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	2	1928.5	-22.44	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	3	1927.8	-22.45	-19	Pass	
High Side						
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	1	1995	-26.41	-19	Pass	
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	2	1996.5	-22.76	-19	Pass	
MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW	3	1997.24	-23.075	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	1	2200	-27.63	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	2	2201.5	-23.78	-19	Pass	
MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and	3	2202.1	-22.36	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	1	1995	-25.32	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	2	1996.5	-21.72	-19	Pass	
MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5	3	1997.23	-21.47	-19	Pass	
Port 1, NR, AWS Band, MultiCarrier QPSK						
Low Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2110	-24.79	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2108.5	-20.43	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2107.88	-19.71	-19	Pass	
High Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2200	-24.56	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2201.5	-20.96	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2202.06	-20.74	-19	Pass	
16QAM						
Low Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2110	-25.24	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2108.5	-21.81	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2107.98	-21.41	-19	Pass	
High Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2200	-23.9	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2201.5	-21.19	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2202.22	-20.72	-19	Pass	
64QAM						
Low Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2110	-24.8	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2108.5	-21.44	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2107.96	-21.56	-19	Pass	
High Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2200	-24.77	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2201.5	-20.73	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2202.09	-20.5	-19	Pass	
256QAM						
Low Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2110	-23	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2108.5	-21.61	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2107.89	-21.38	-19	Pass	
High Side						
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	1	2200	-22.71	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	2	2201.5	-21.63	-19	Pass	
MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)	3	2202.03	-21.81	-19	Pass	

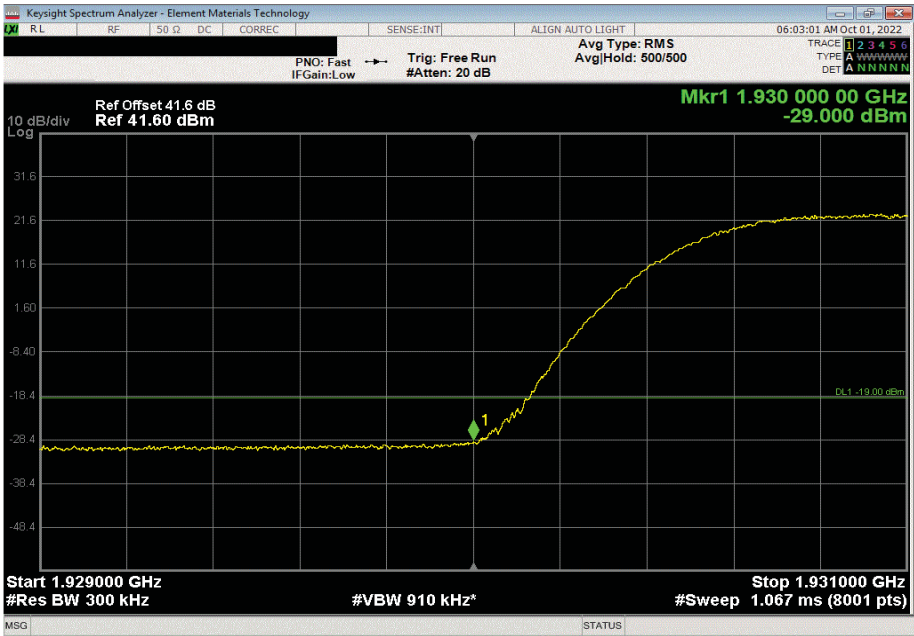
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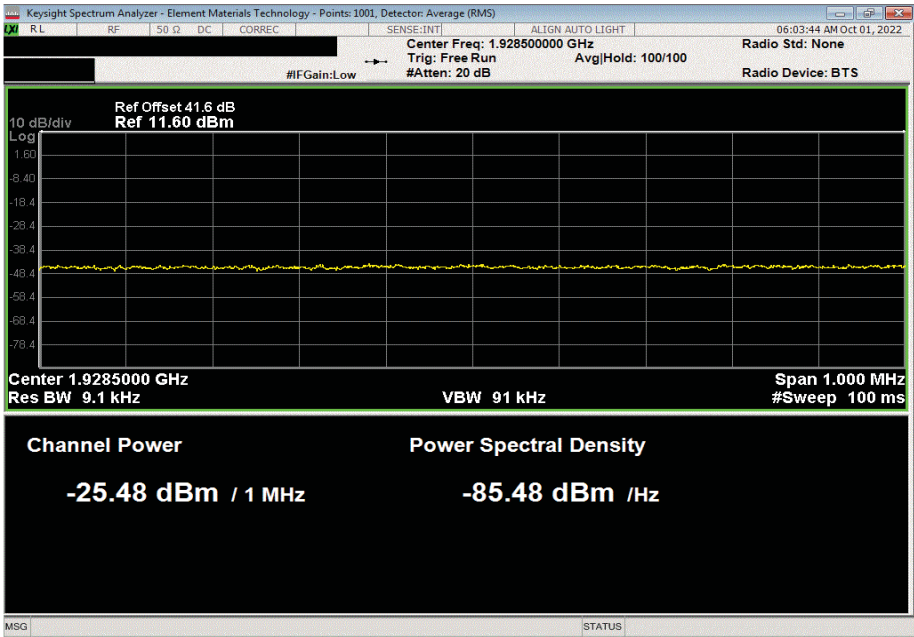
ThyTx 2022.06.03.0

XM8 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-29	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-25.48	-19	Pass		



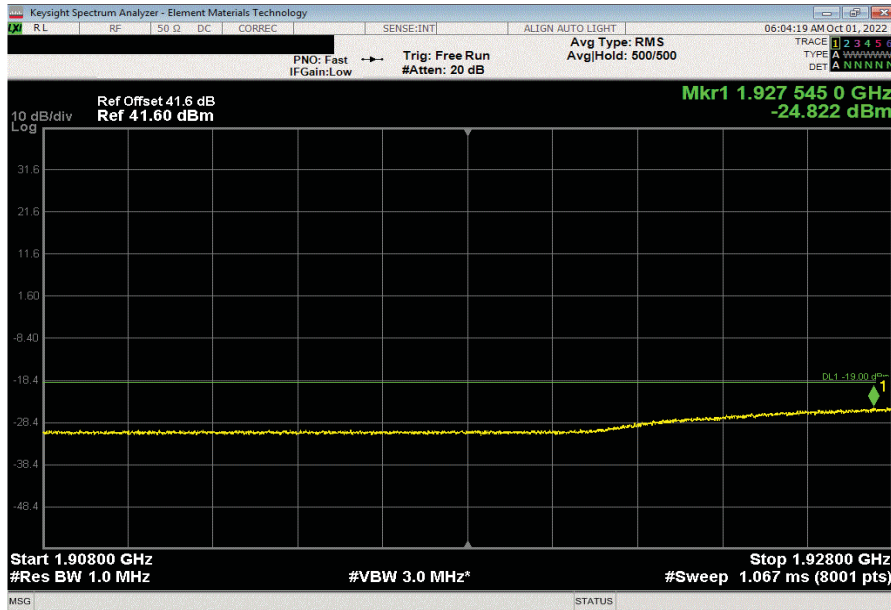
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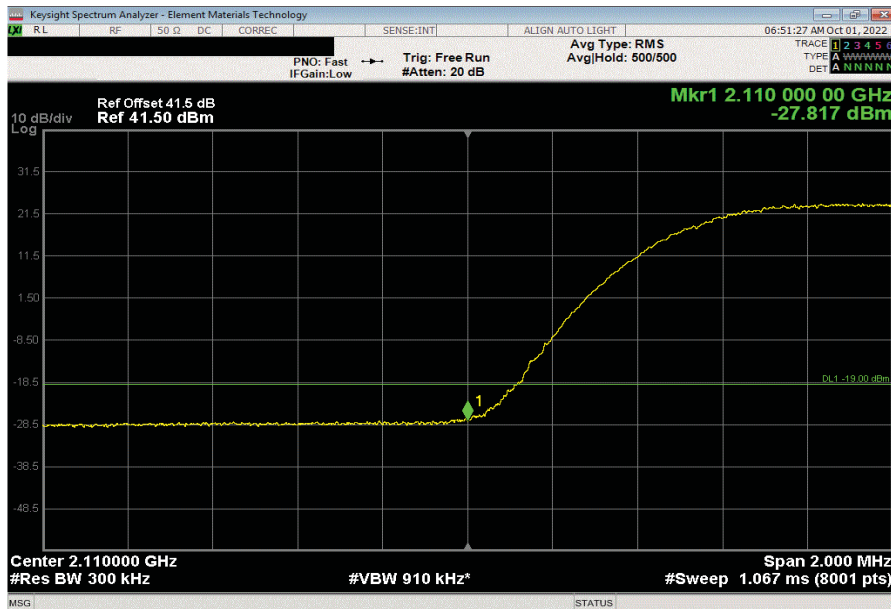
TbTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.55	-24.82	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-27.82	-19	Pass		



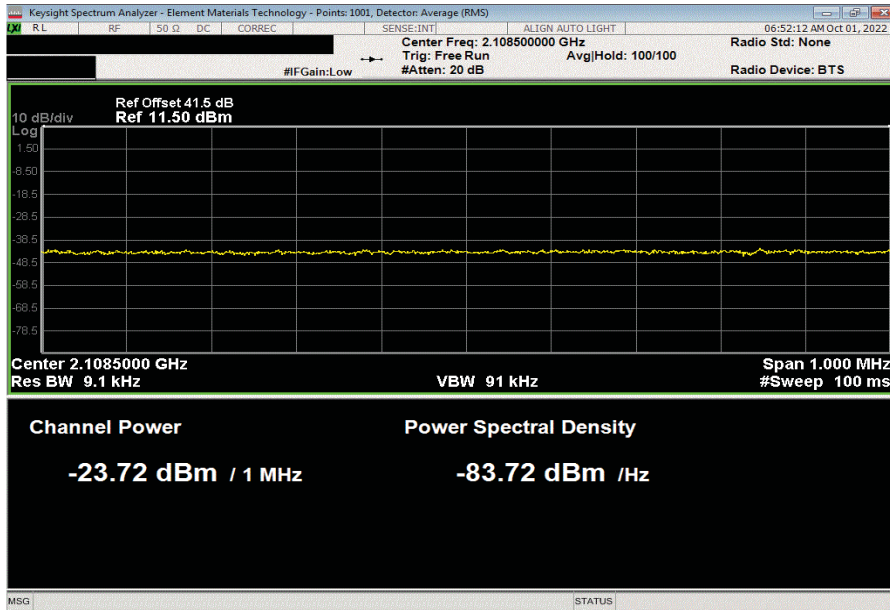
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



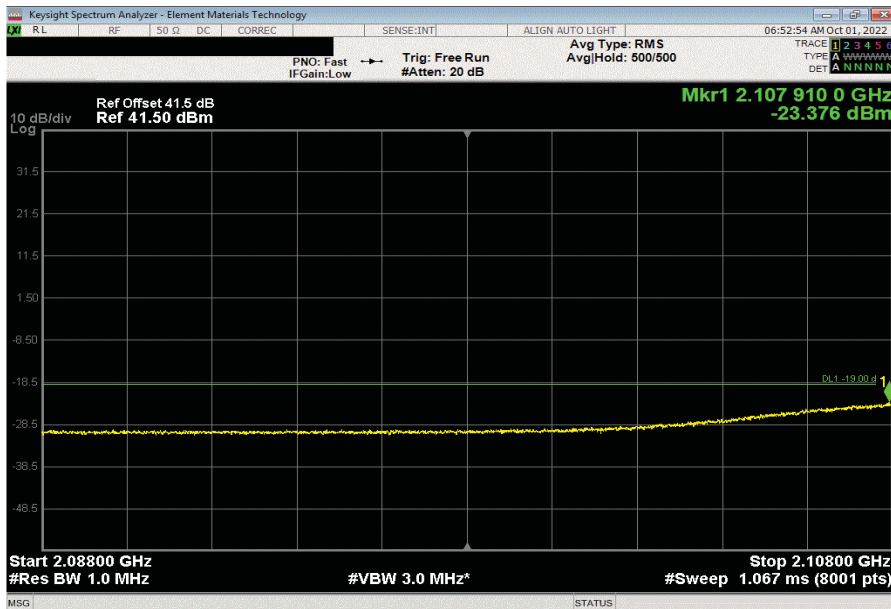
TbTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-23.72	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2107.91	-23.38	-19	Pass		



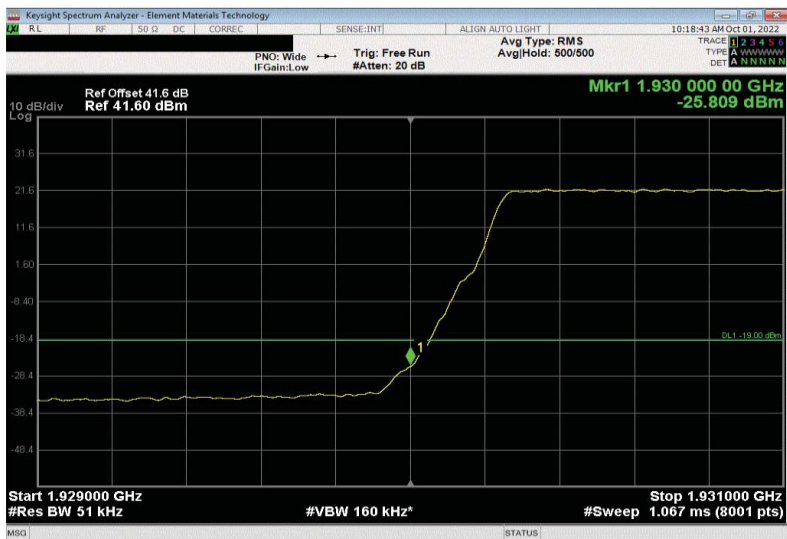
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



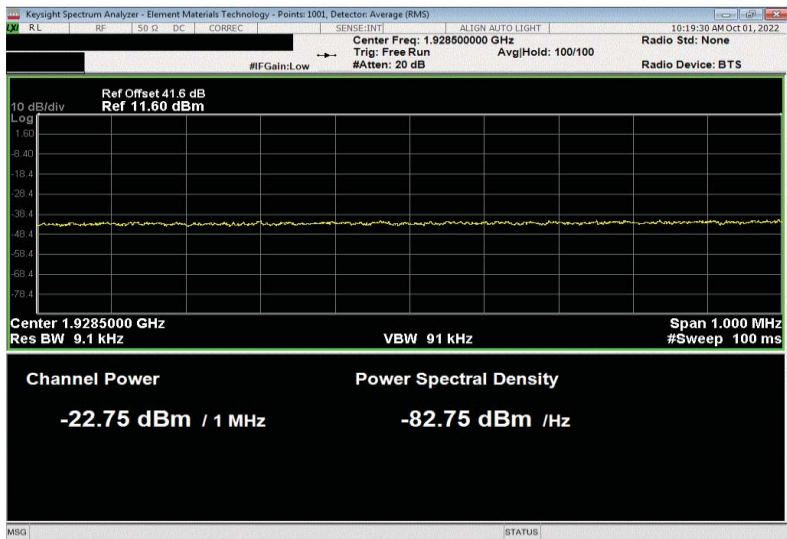
Tot4 2022 06 03 0

MM 2022 02 07 0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-25.81	-19	Pass		

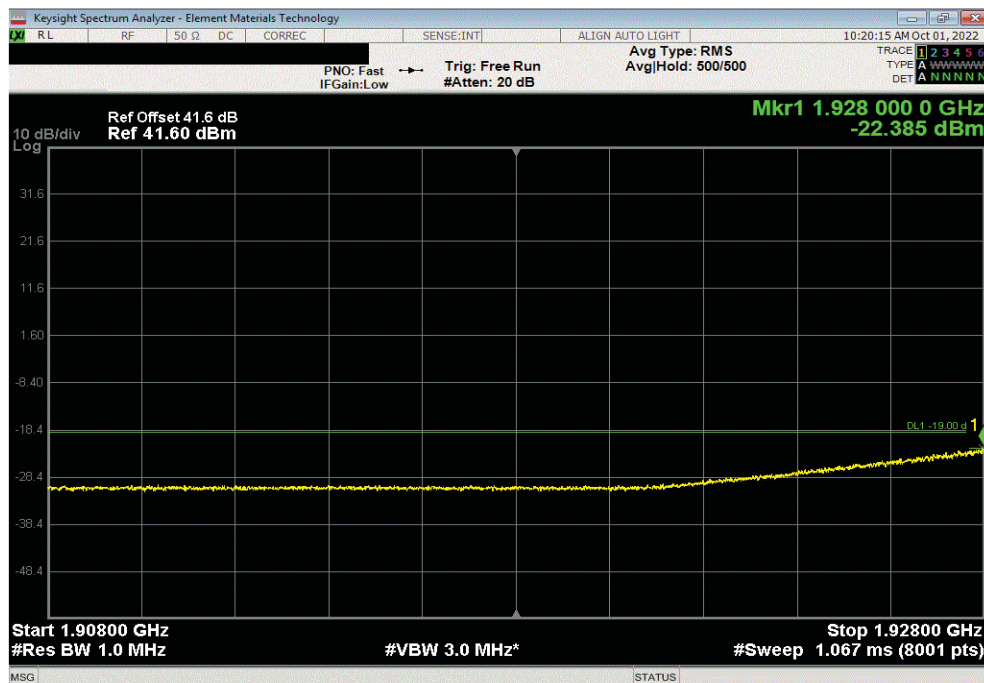


Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-22.75	-19	Pass		

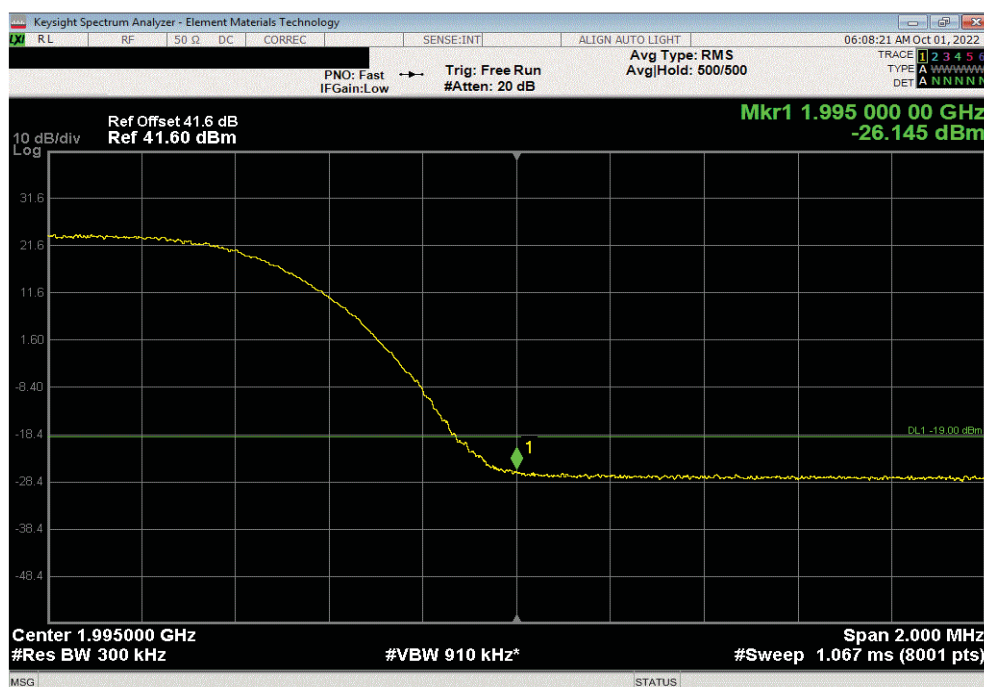


TbTx 2022.06.03.0 YMit 2022.02.07.4

AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2172.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1928	-22.39	-19	Pass		



Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	1995	-26.15	-19	Pass



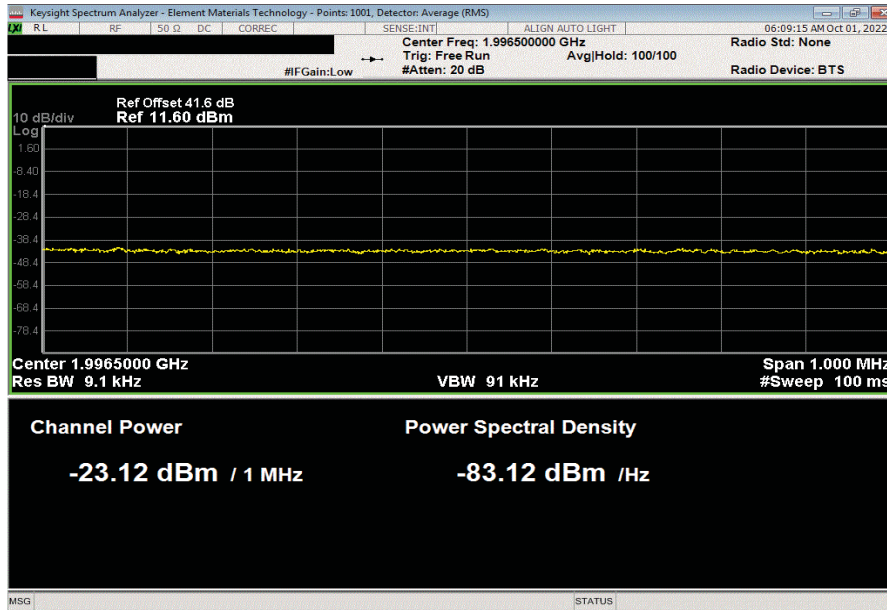
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



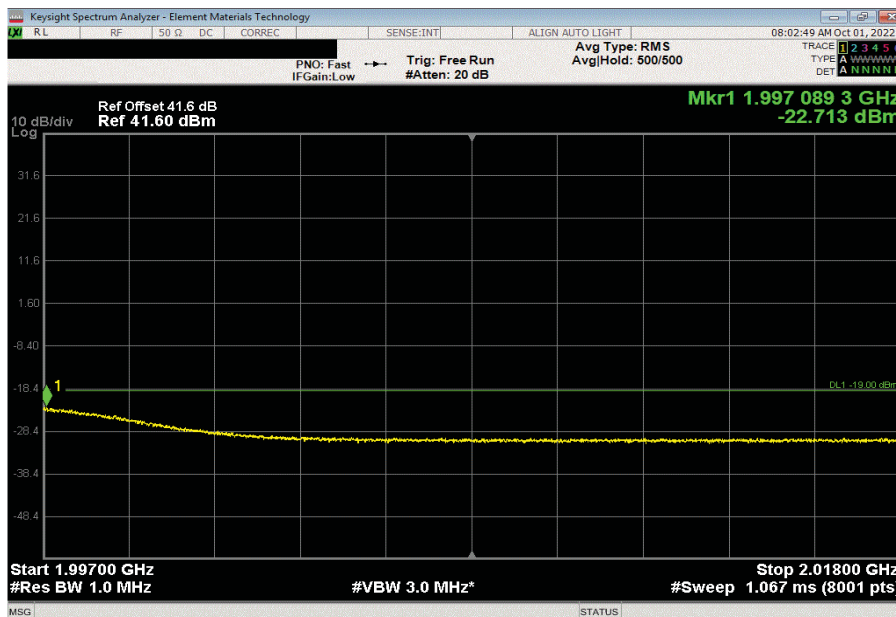
TbTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
2	1996.5	-23.12	-19	Pass			



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
3	1997.09	-22.713	-19	Pass			



BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

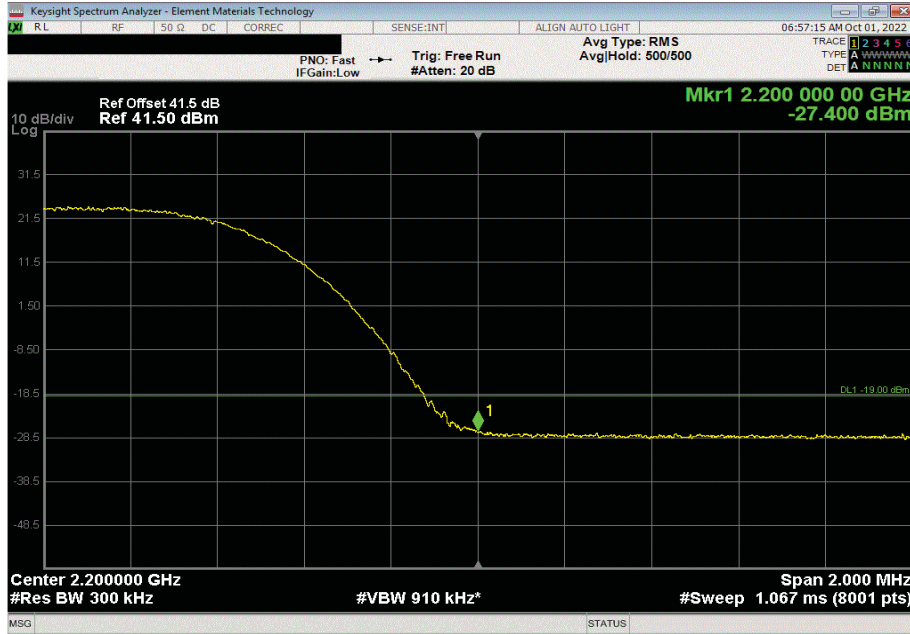


TbTx 2022.06.03.0

XMHz 2022.02.07.0

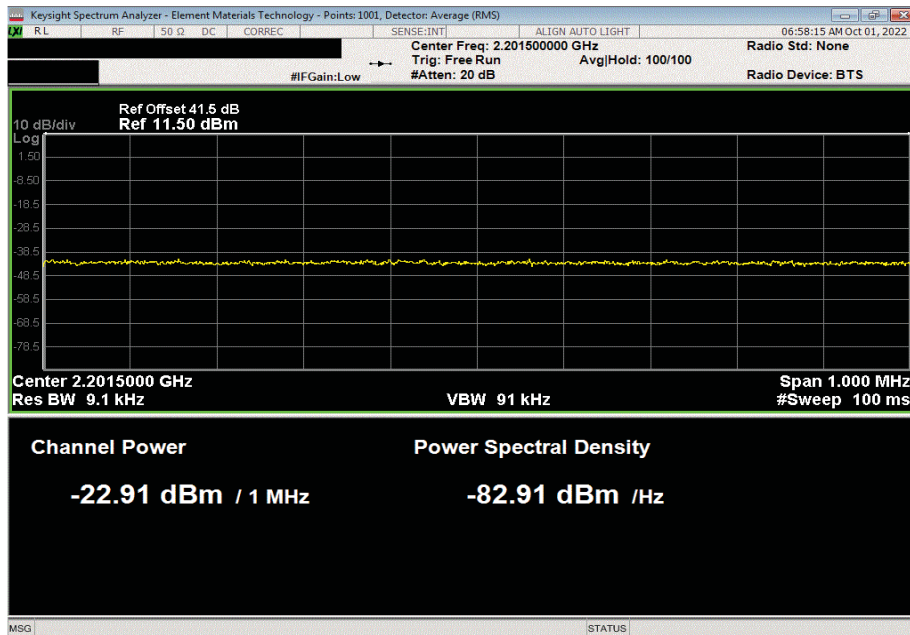
Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	2200	-27.4	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
2	2201.5	-22.91	-19	Pass



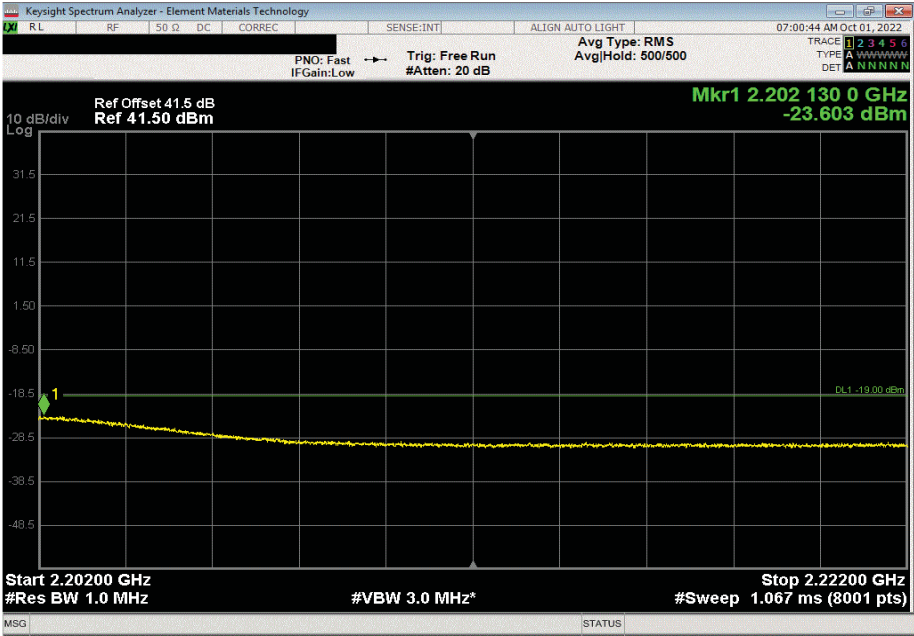
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



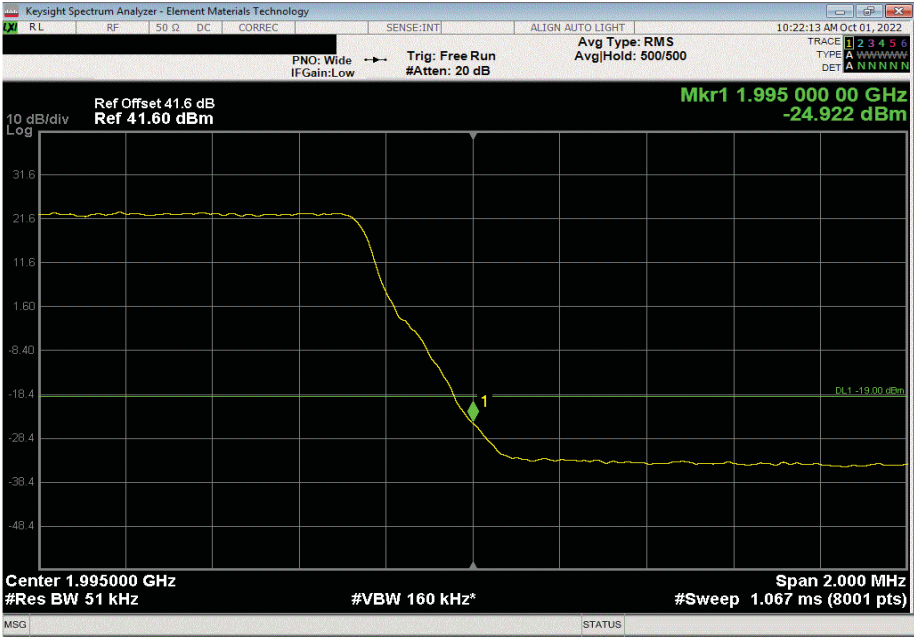
TbTx 2022.06.03.0

XMI 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2202.13	-23.6	-19	Pass		



PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2122.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1995	-24.92	-19	Pass		

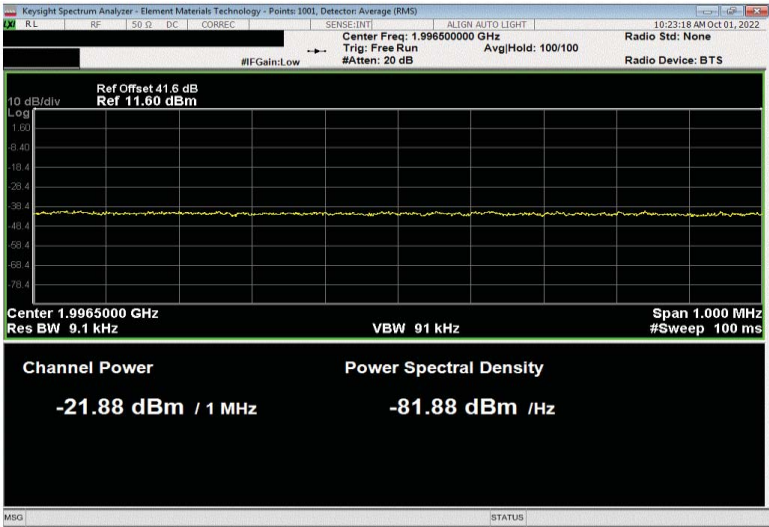


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

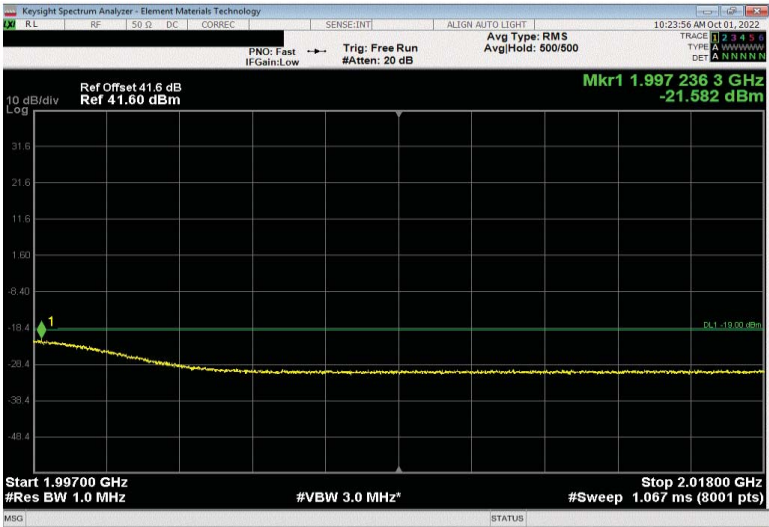


TSTx 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-21.88	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.24	-21.58	-19	Pass		



BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

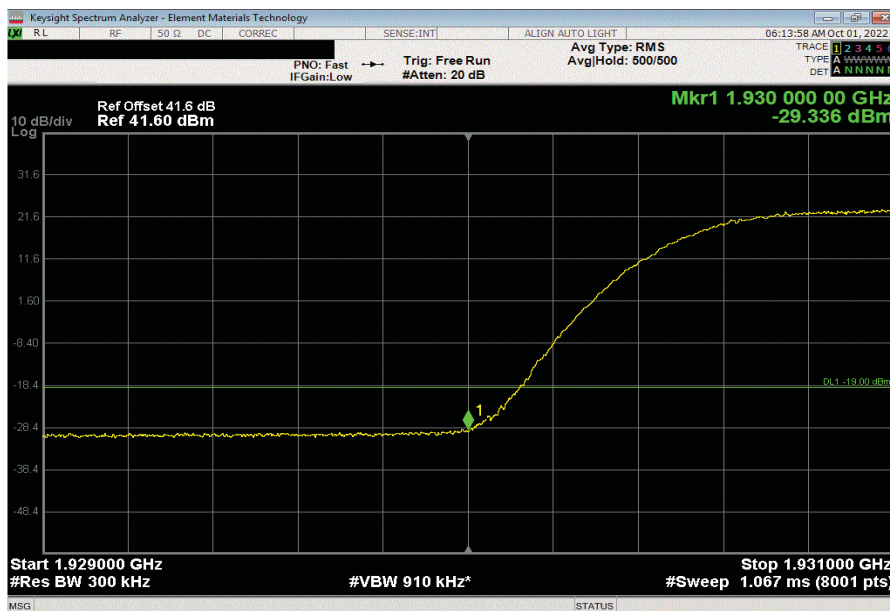


TbTrx 2022.06.03.0

XMM 2022.02.07.0

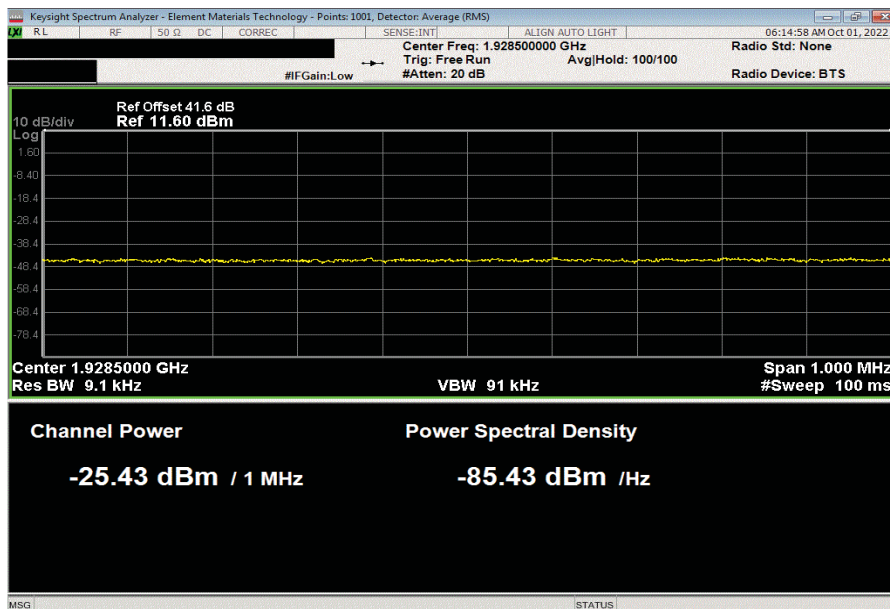
Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	1930	-29.34	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
2	1928.5	-25.43	-19	Pass



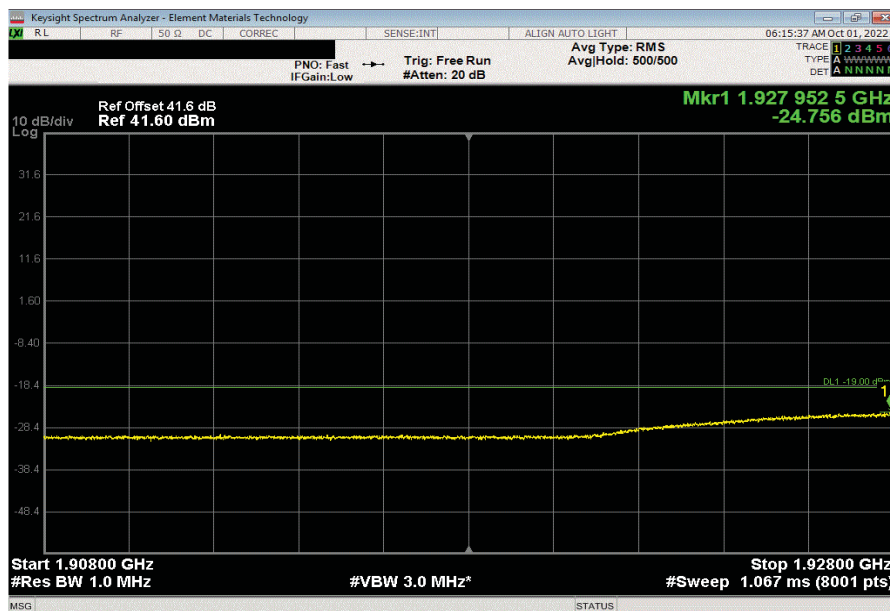
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



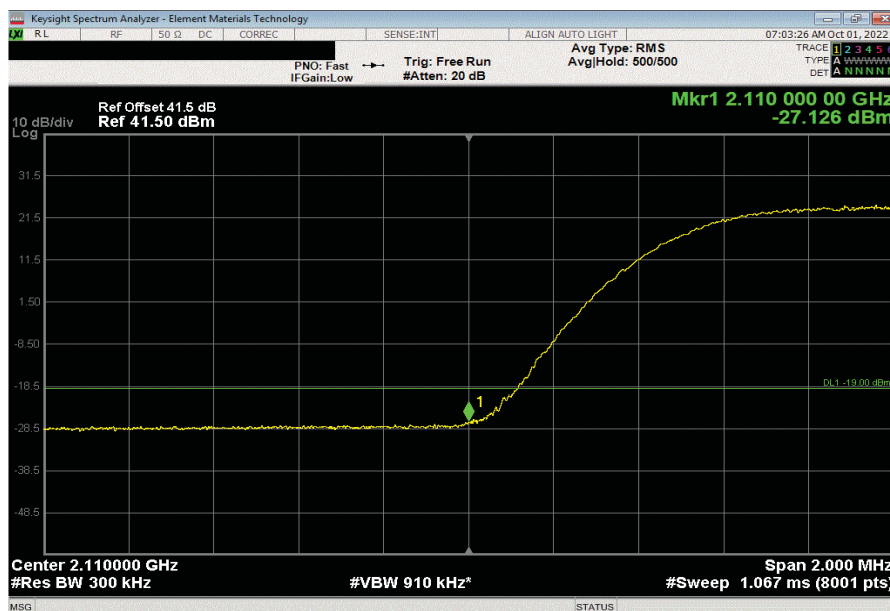
TbTb 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.95	-24.76	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-27.13	-19	Pass		



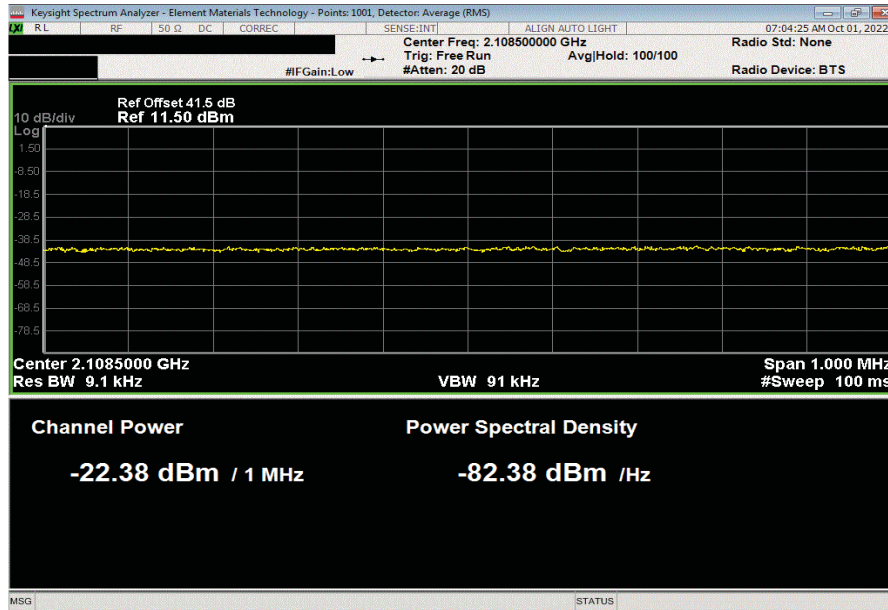
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



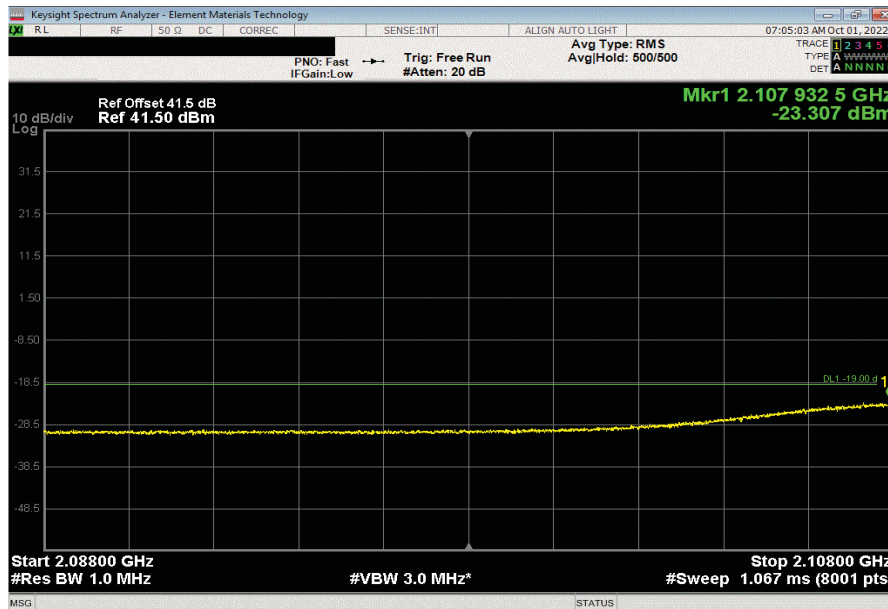
Tel: 2022 06 03 0

XMI 2022 02 07 0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-22.38	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2107.93	-23.31	-19	Pass		

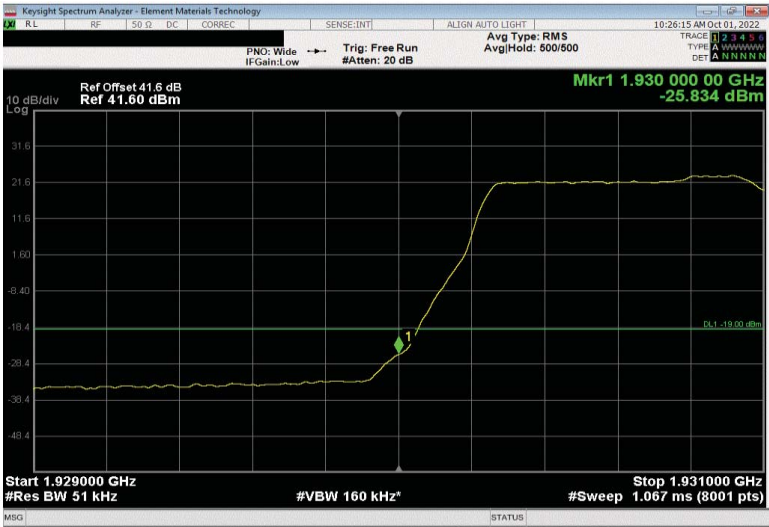


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

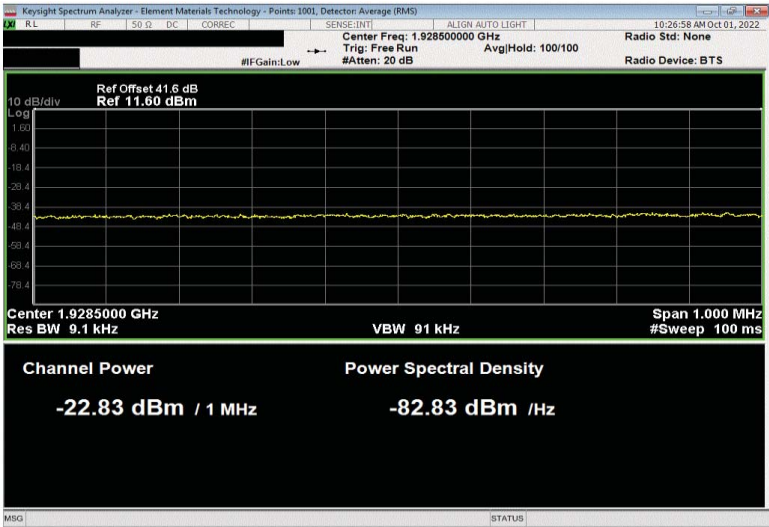


TMTx 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-25.83	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-22.83	-19	Pass		

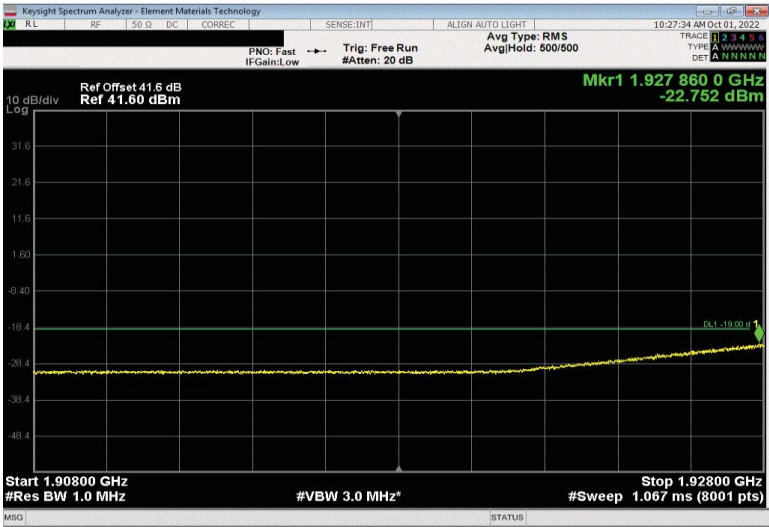


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER



TSTx 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.86	-22.75	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1995	-26.56	-19	Pass		



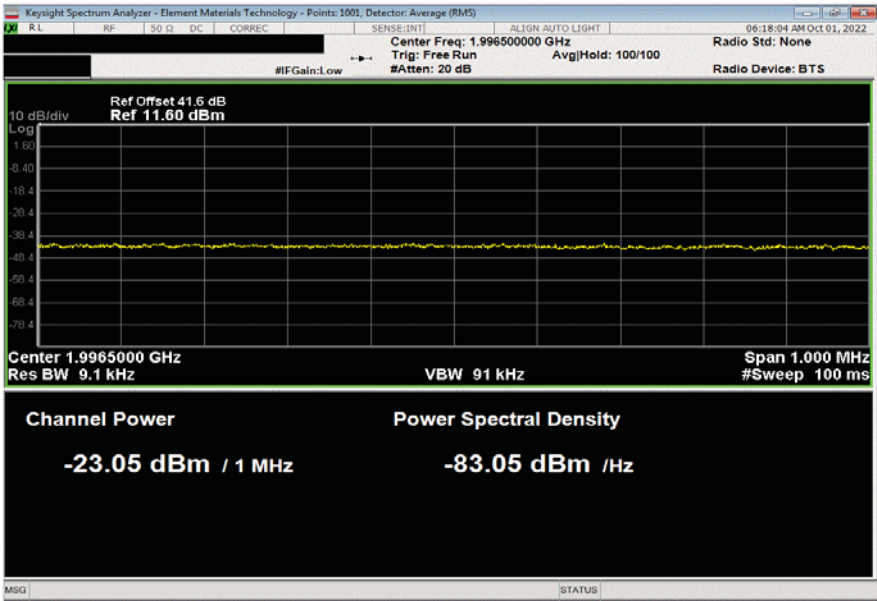
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



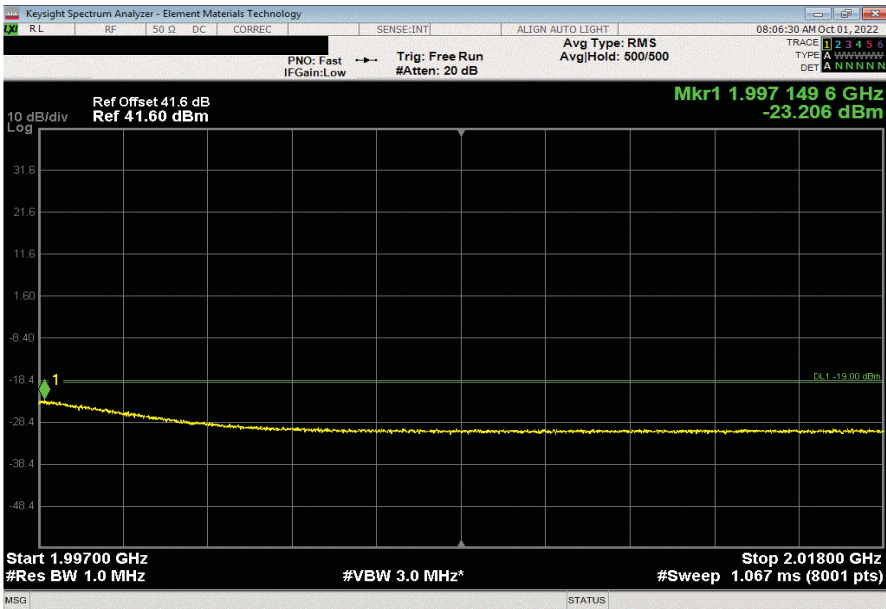
Test 1x 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-23.05	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.15	-23.206	-19	Pass		



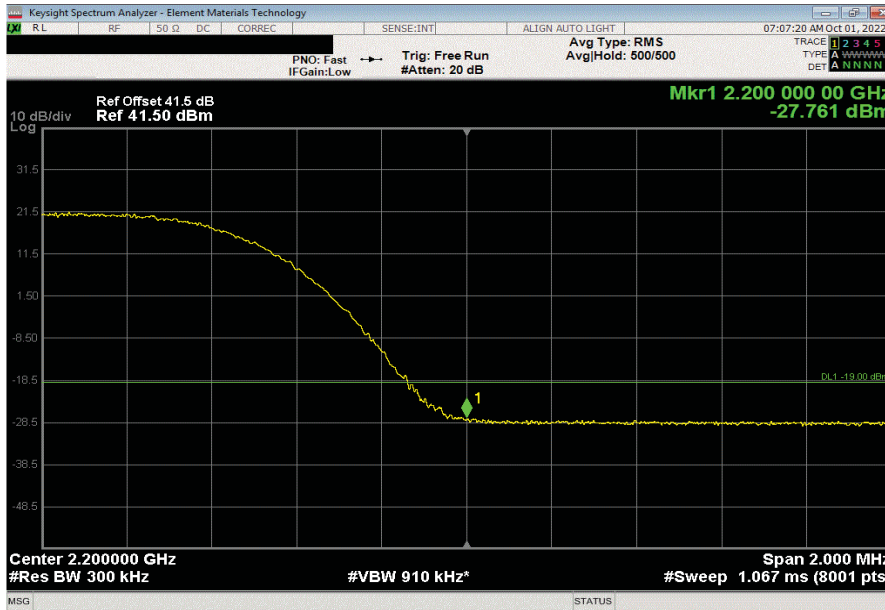
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



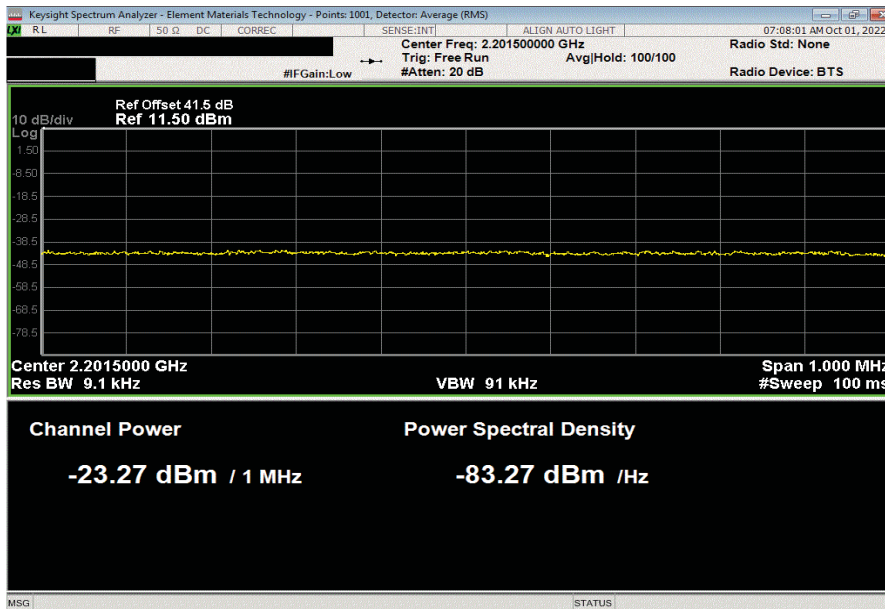
Tel: 2022.06.03.0

XM: 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2200	-27.76	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2201.5	-23.27	-19	Pass		



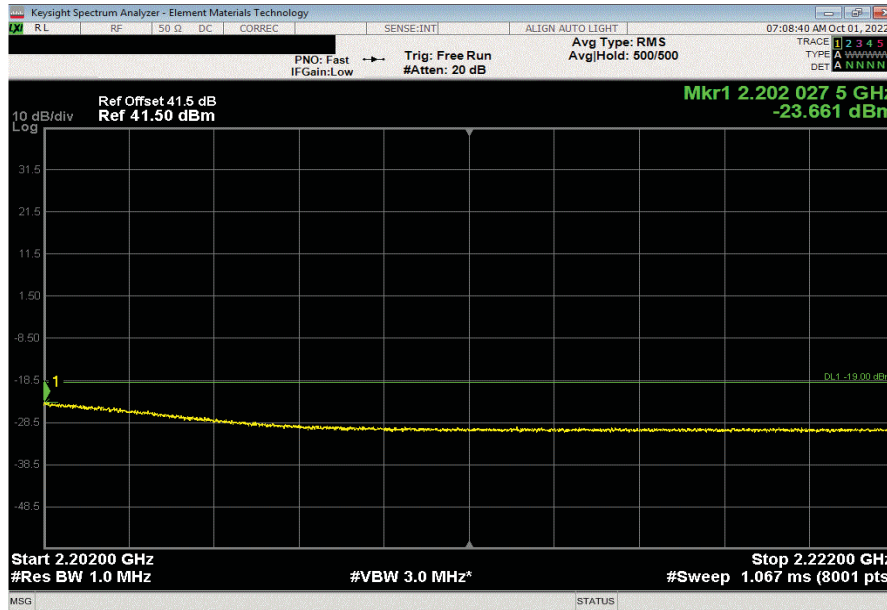
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



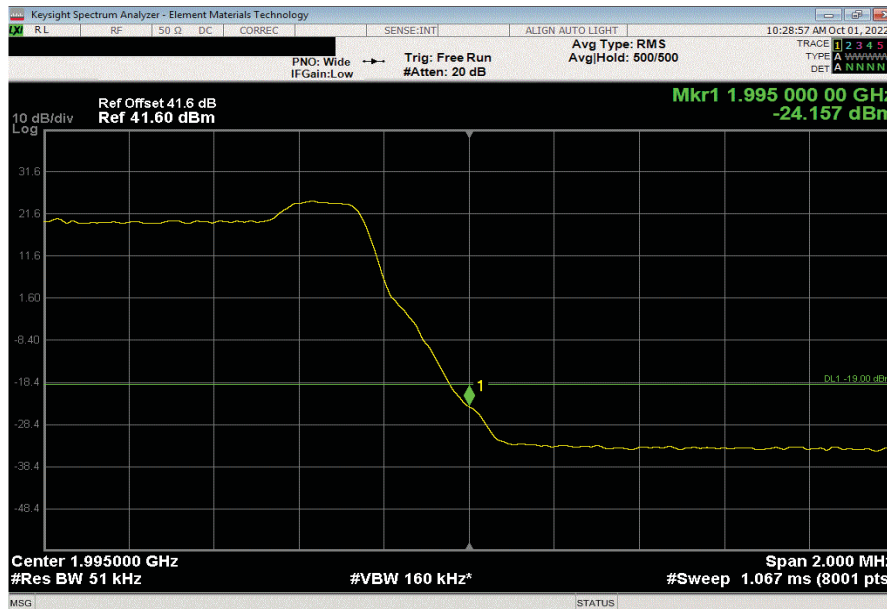
TbTb 2022.06.03.0

XMh 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2202.03	-23.66	-19	Pass		



PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1995	-24.16	-19	Pass		

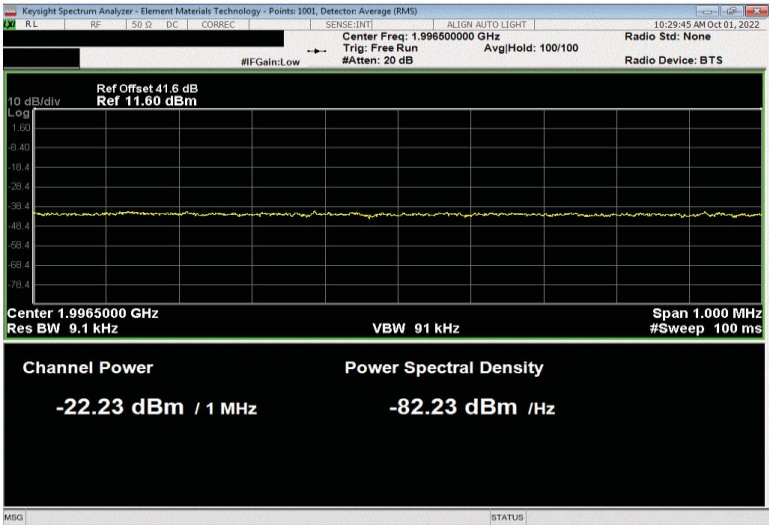


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

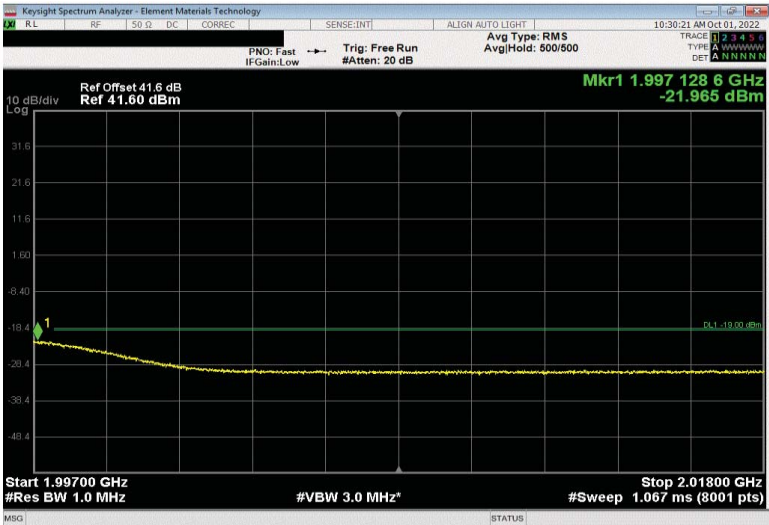


TKM 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-22.23	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.13	-21.97	-19	Pass		

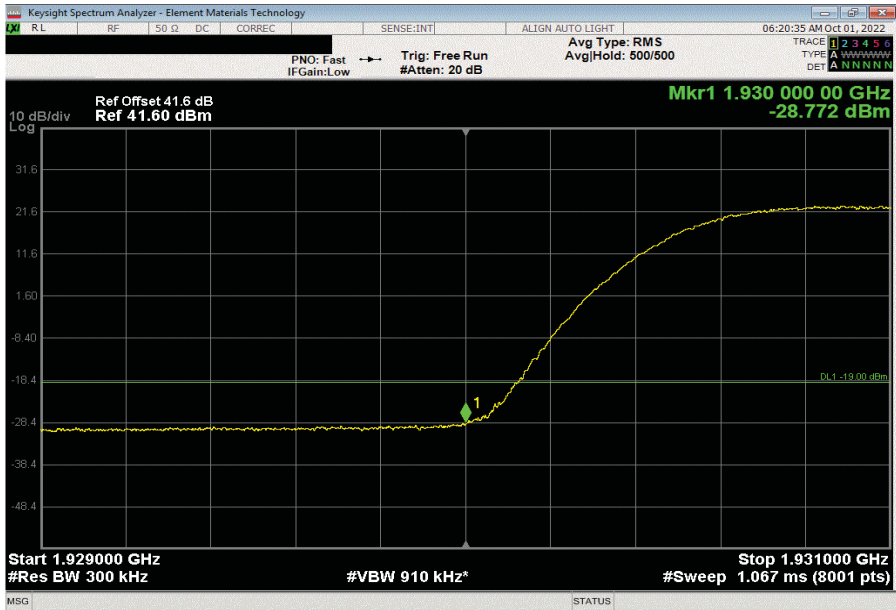


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

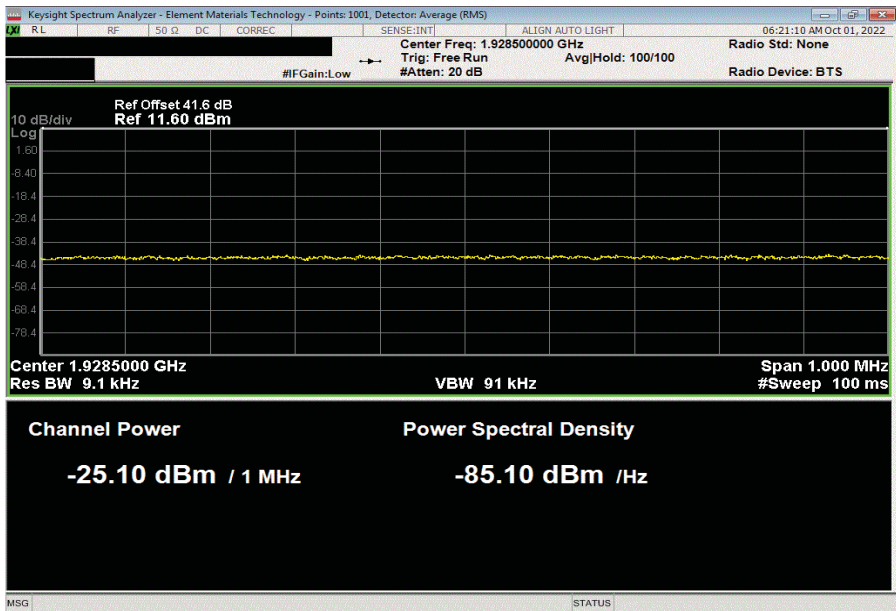


TbTb 2022 06.03.0 XMM 2022 02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-28.77	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-25.1	-19	Pass		

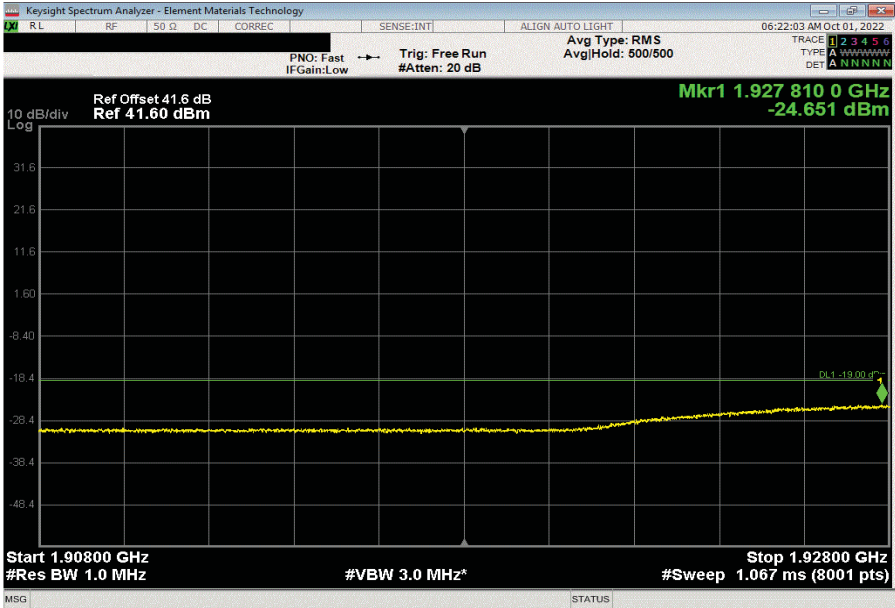


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

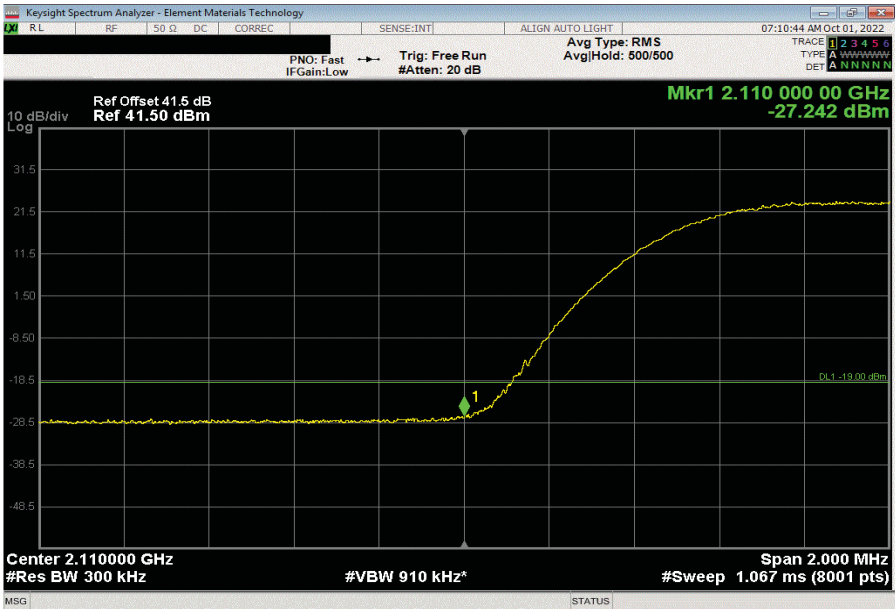


TbTtx 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.81	-24.65	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-27.24	-19	Pass		



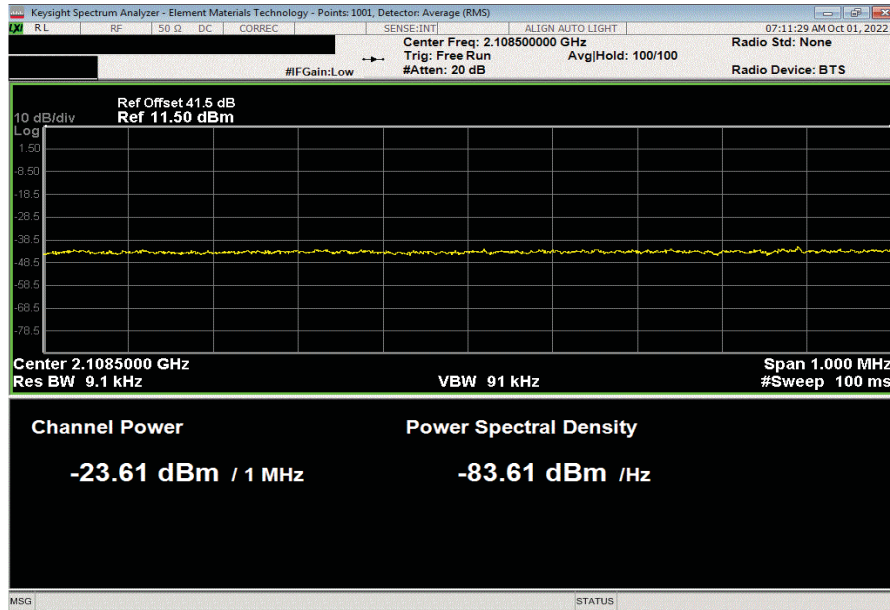
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



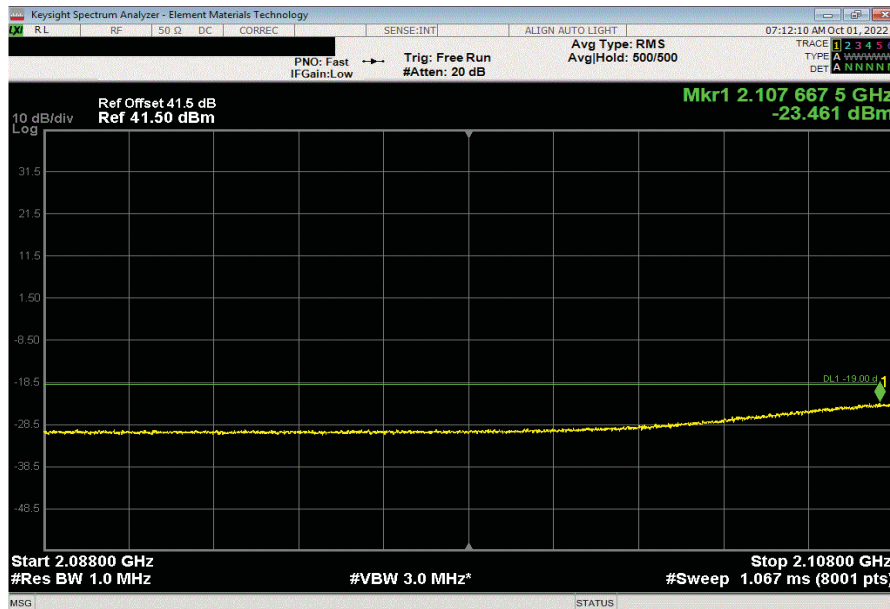
TbTb 2022 06 03 0

XMR 2022 02 07 0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-23.61	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2107.67	-23.46	-19	Pass		

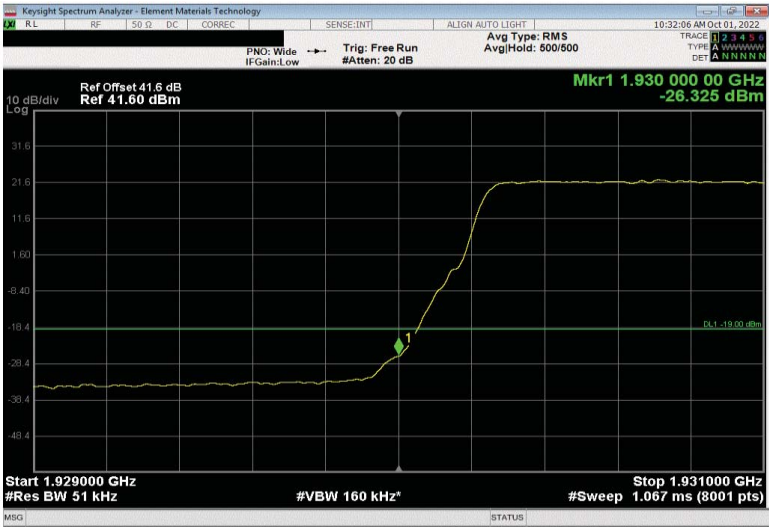


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

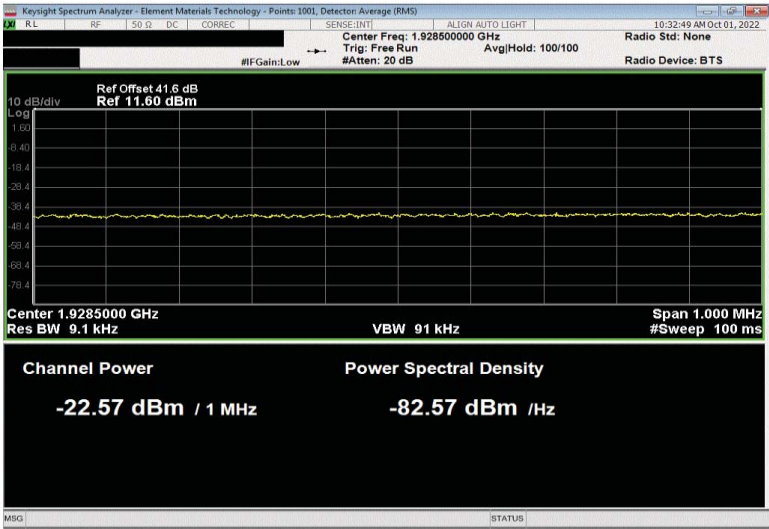


TSTX 2022.06.03.0 XMM 2022.02.07.6

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result	
1	1930	-26.33	-19	Pass	



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result	
2	1928.5	-22.57	-19	Pass	

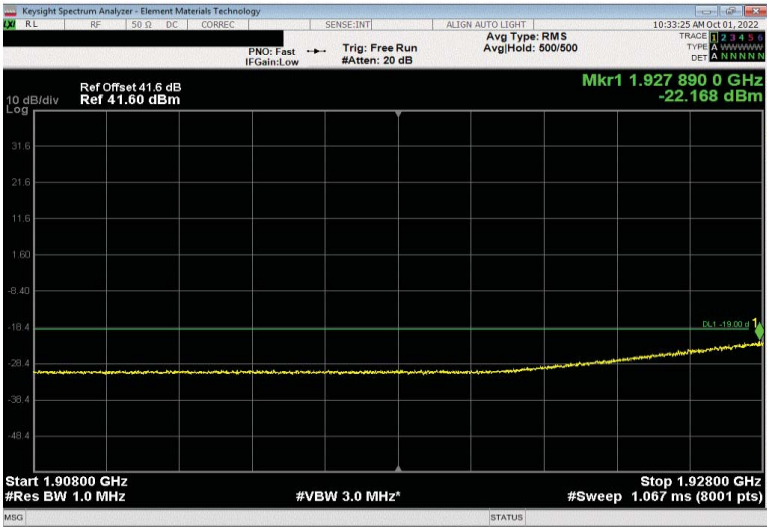


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

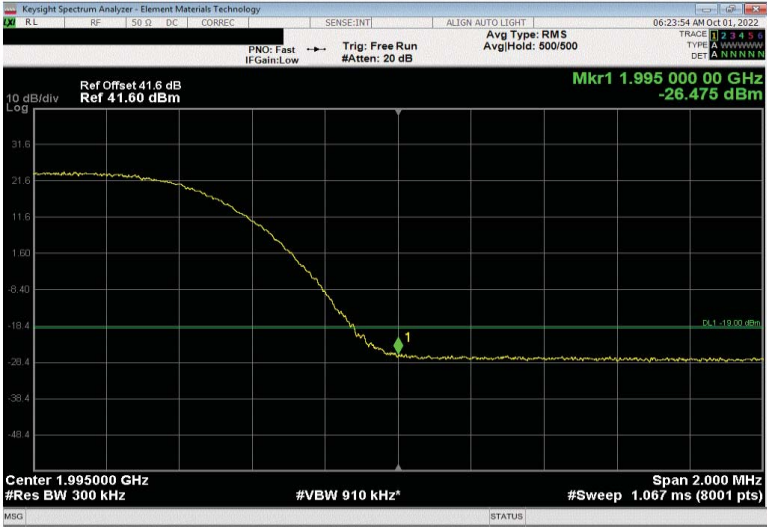


Thru 2022.06.09.0 KMI 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result	
3	1927.89	-22.17	-19	Pass	



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result	
1	1995	-26.48	-19	Pass	



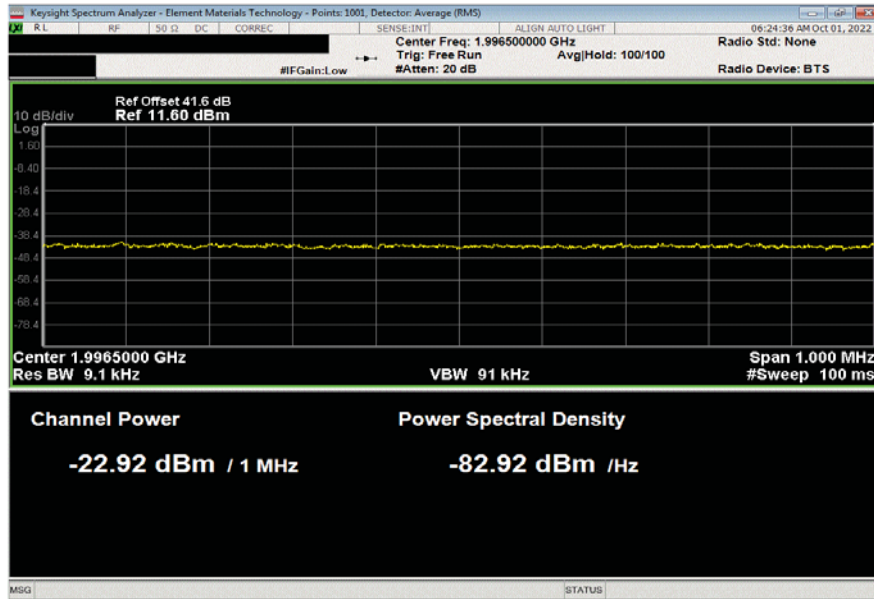
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



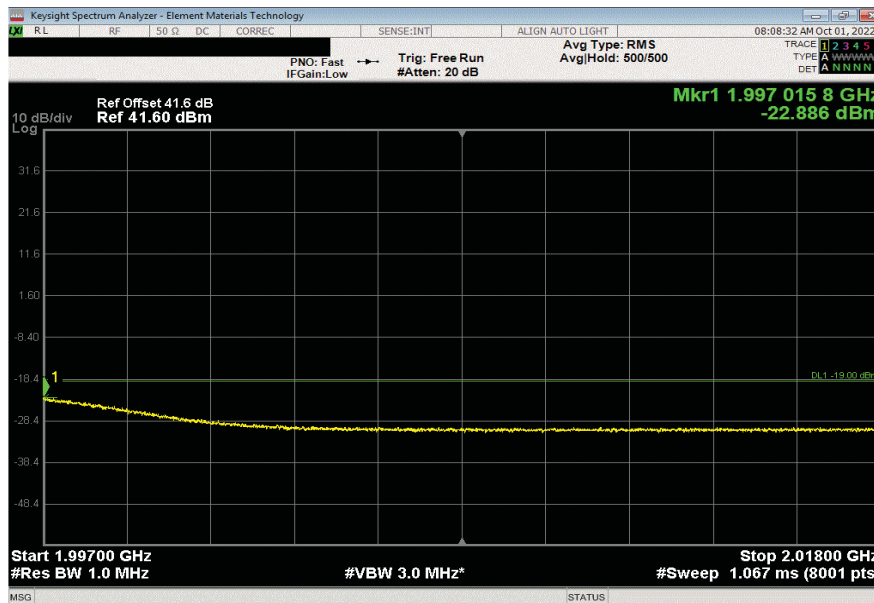
Test 2022.06.03.0

MM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-22.92	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.02	-22.886	-19	Pass		



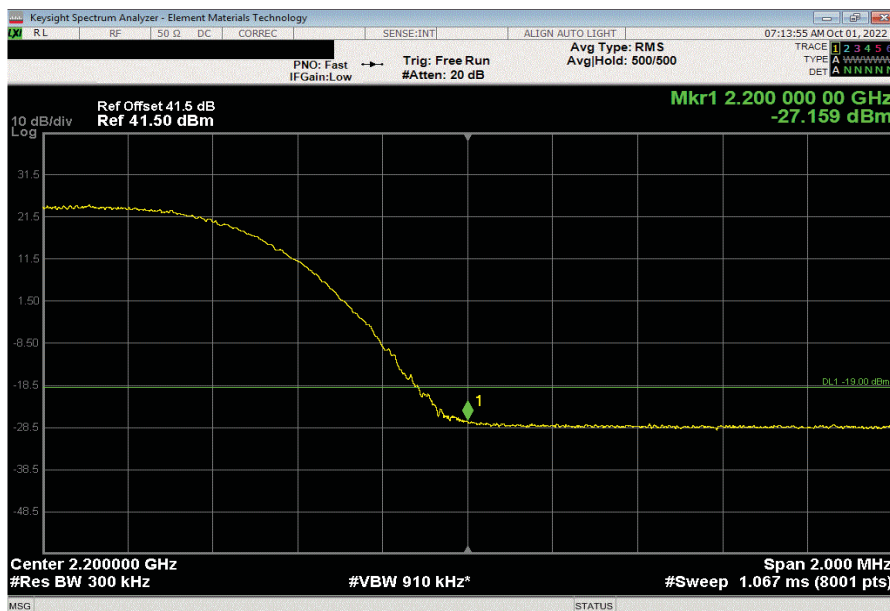
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



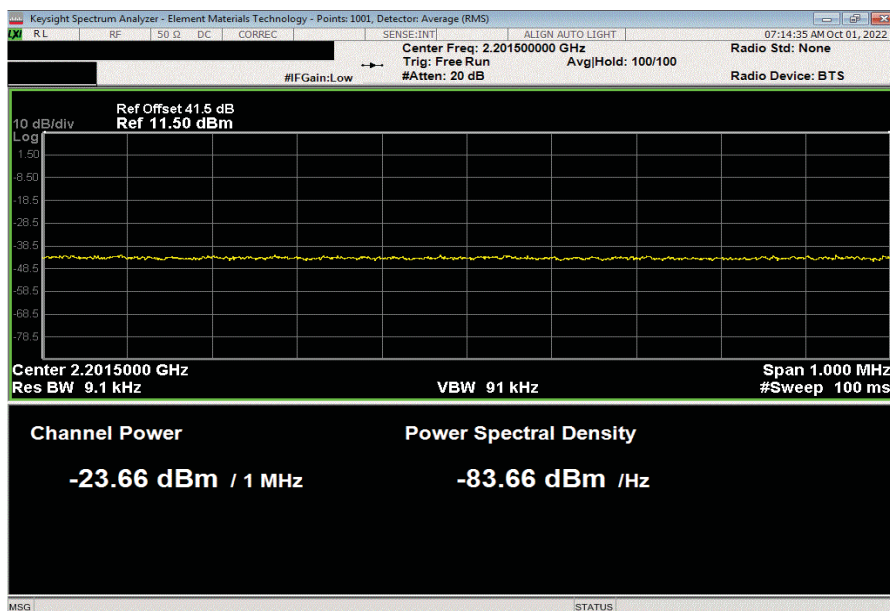
TbTx 2022.06.03.0

XMR 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2200	-27.16	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2201.5	-23.66	-19	Pass		



BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

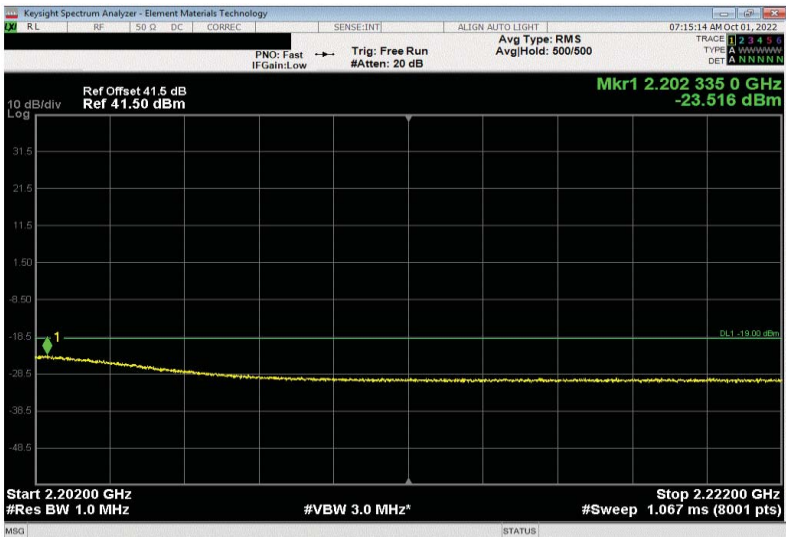


TotTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
3	2202.34	-23.52	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	1995	-25.38	-19	Pass

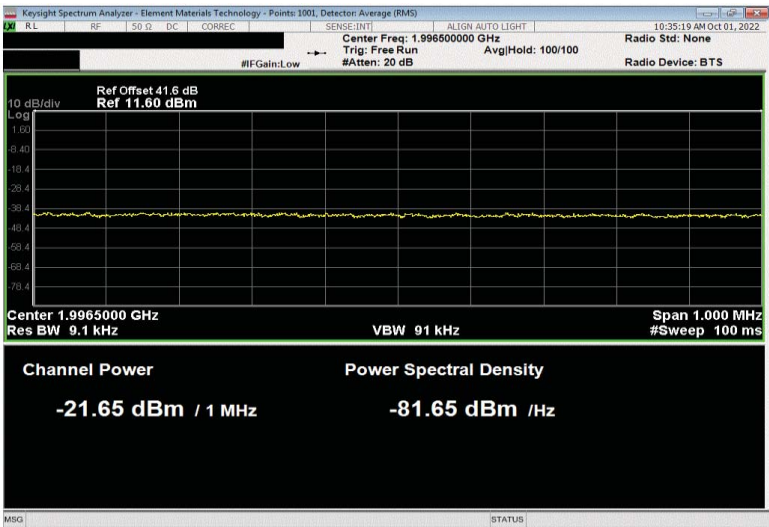


BAND EDGE COMPLIANCE - MULTIBAND
MULTICARRIER

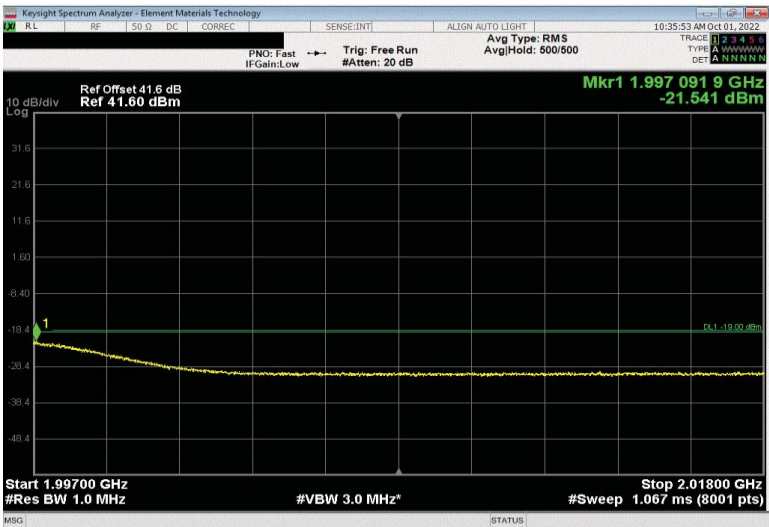


TSTx 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-21.65	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.09	-21.54	-19	Pass		



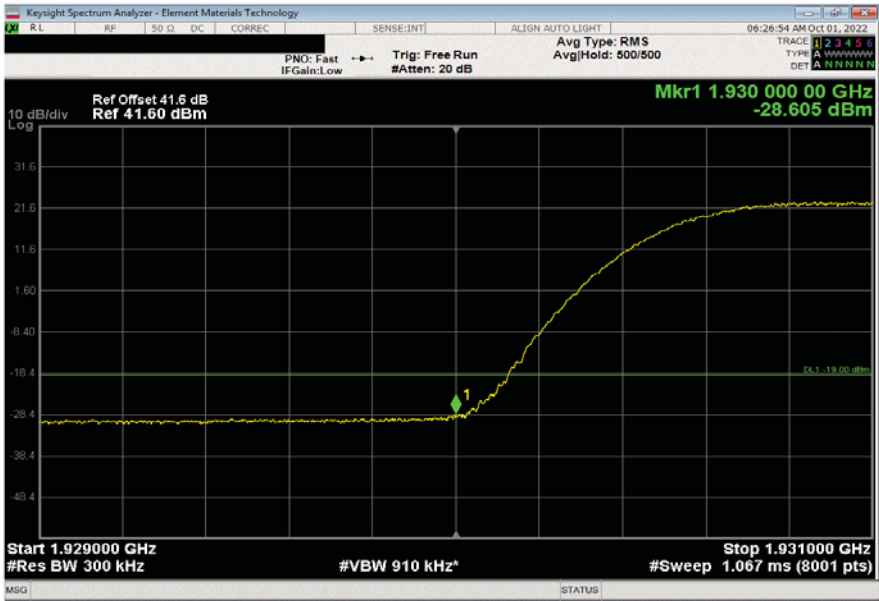
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



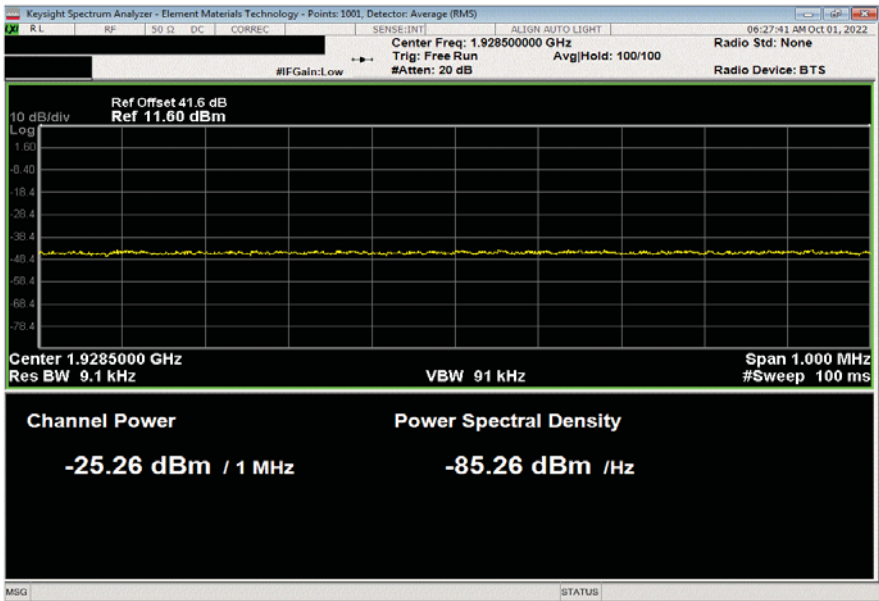
ThyTy 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-28.61	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-25.26	-19	Pass		



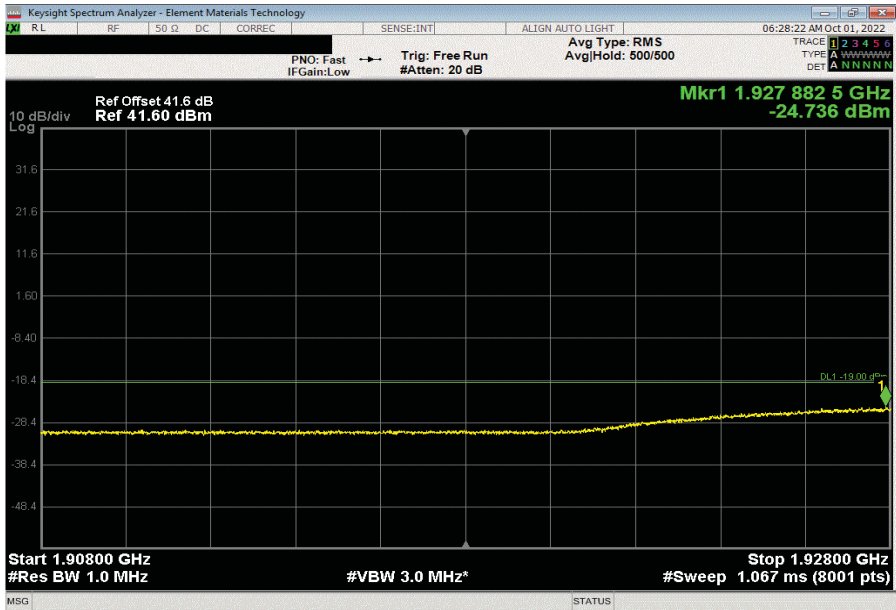
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



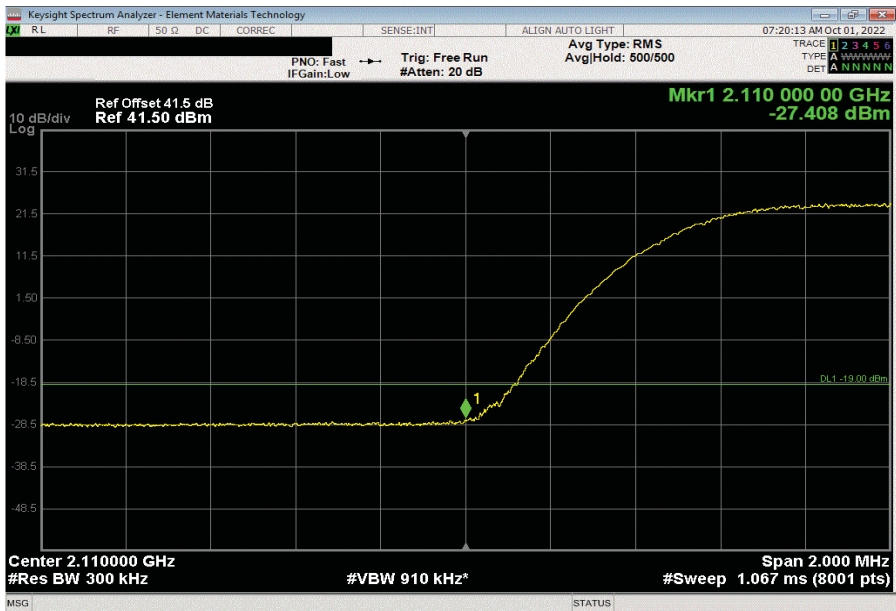
TotTx 2022 06.03.0

XMM 2022 02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 1, PCS Band 20W 30 MHz BW (1945.0 and 1975.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.88	-24.74	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-27.41	-19	Pass		



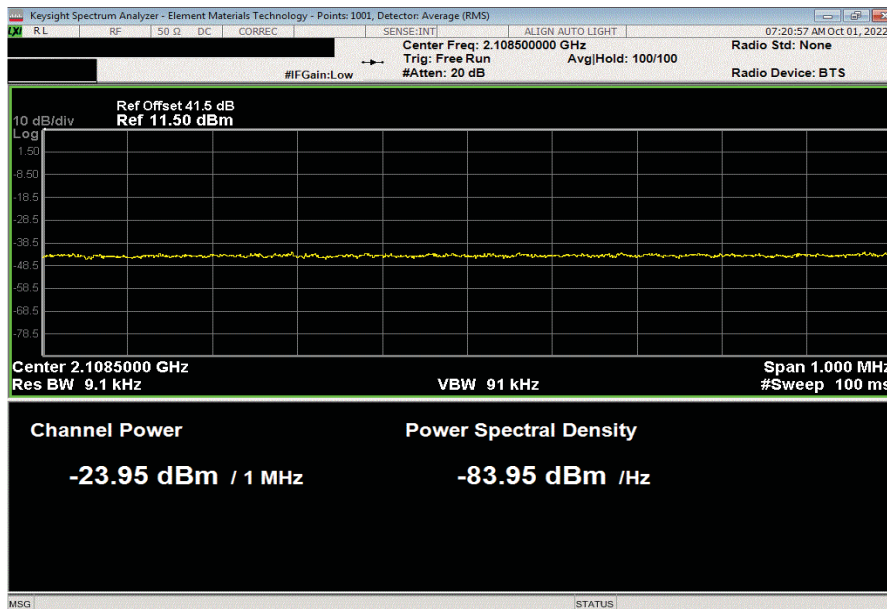
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



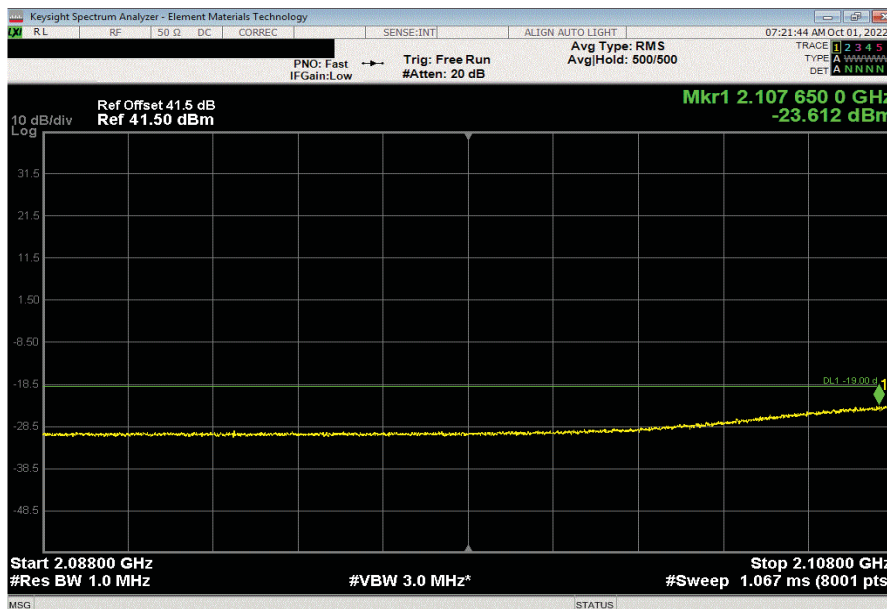
TbTfx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
2	2108.5	-23.95	-19	Pass			



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 3, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2125.0 and 2155.0 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
3	2107.65	-23.61	-19	Pass			



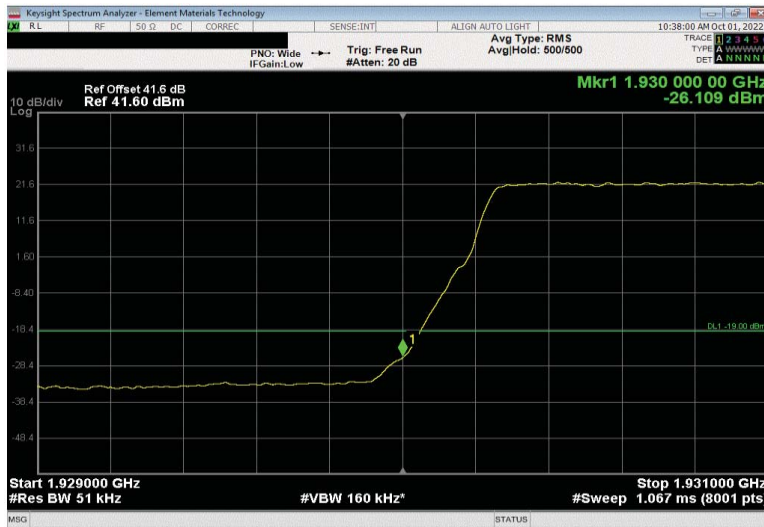
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



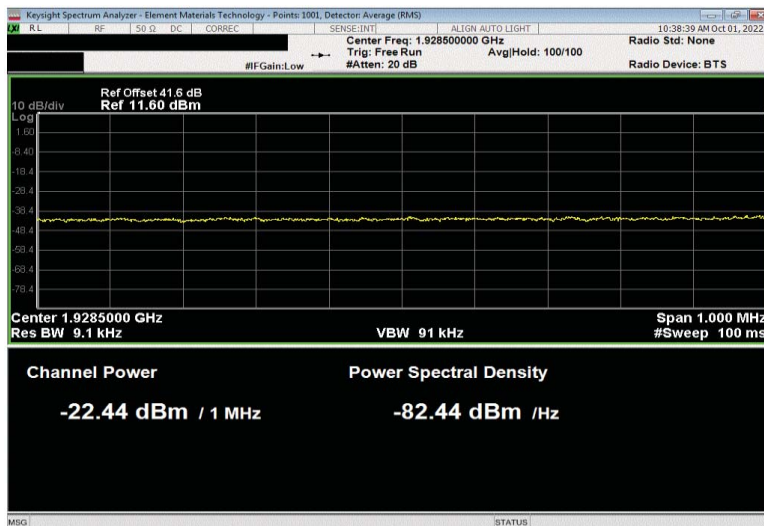
TSTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1930	-26.11	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1928.5	-22.44	-19	Pass		

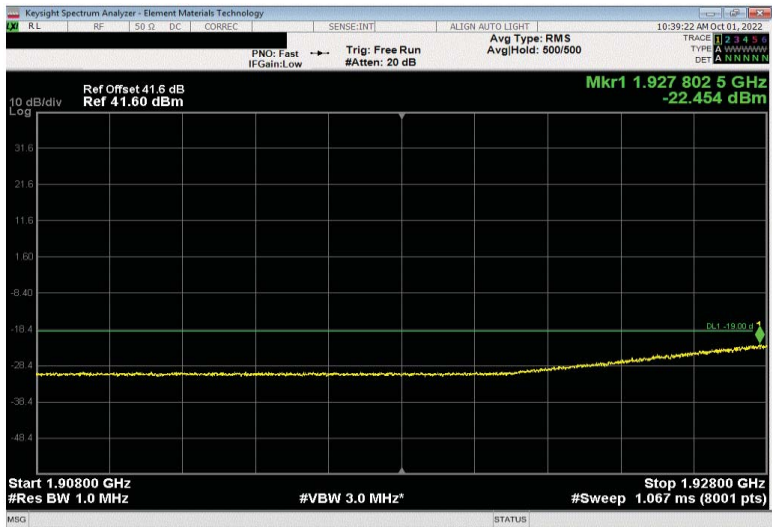


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

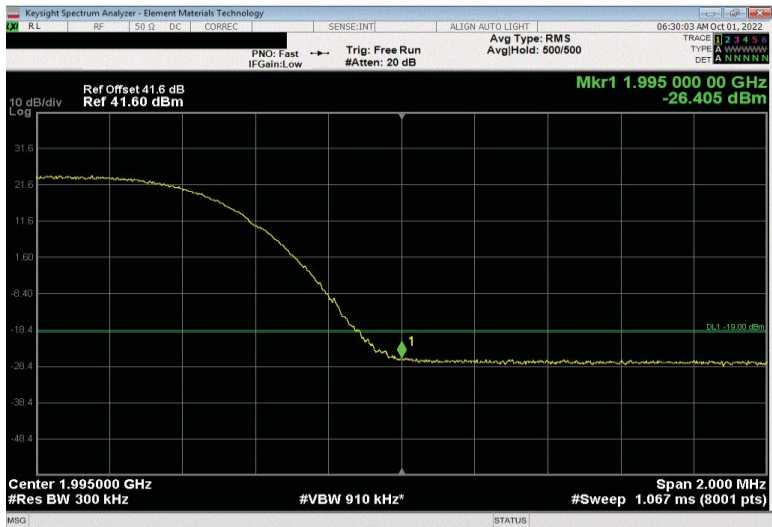


TKT1 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1927.8	-22.45	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1995	-26.41	-19	Pass		



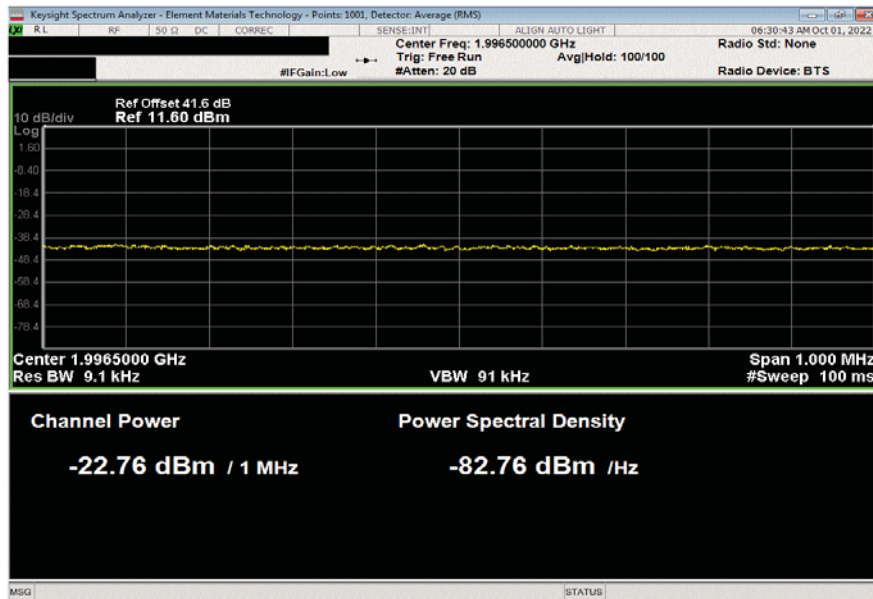
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



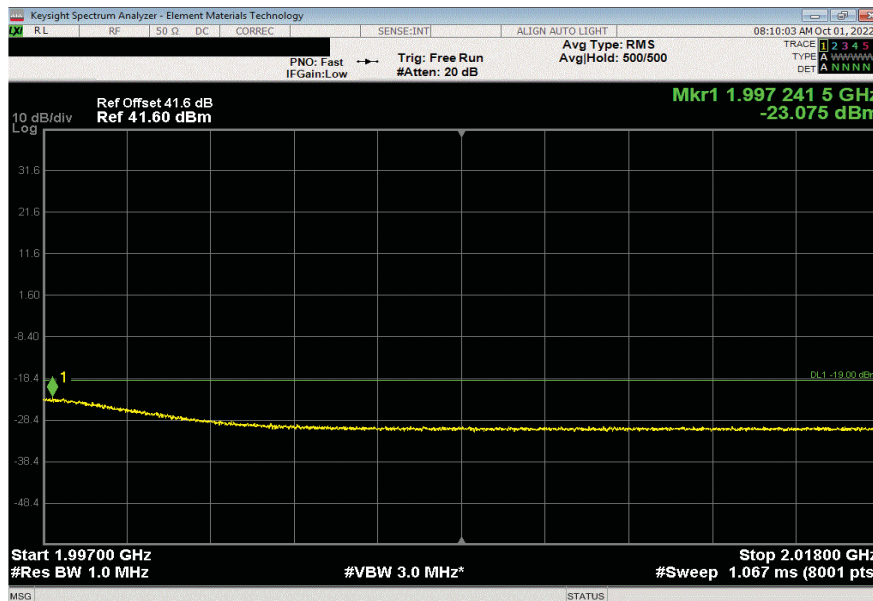
TbTf v 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-22.76	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 2, PCS Band 20W 30 MHz BW (1950.0 and 1980.0 MHz), AWS Band 40W 5 MHz BW (2155.0 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.24	-23.075	-19	Pass		



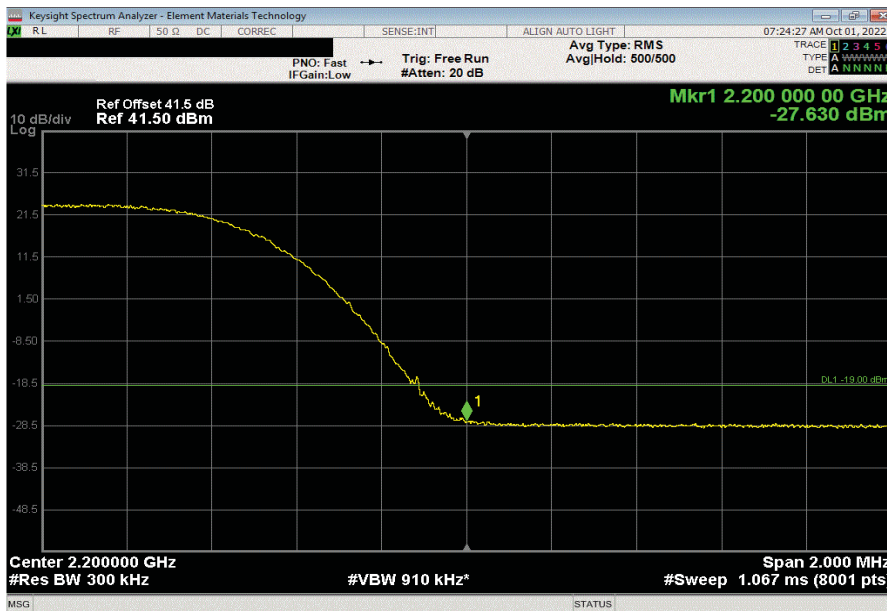
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



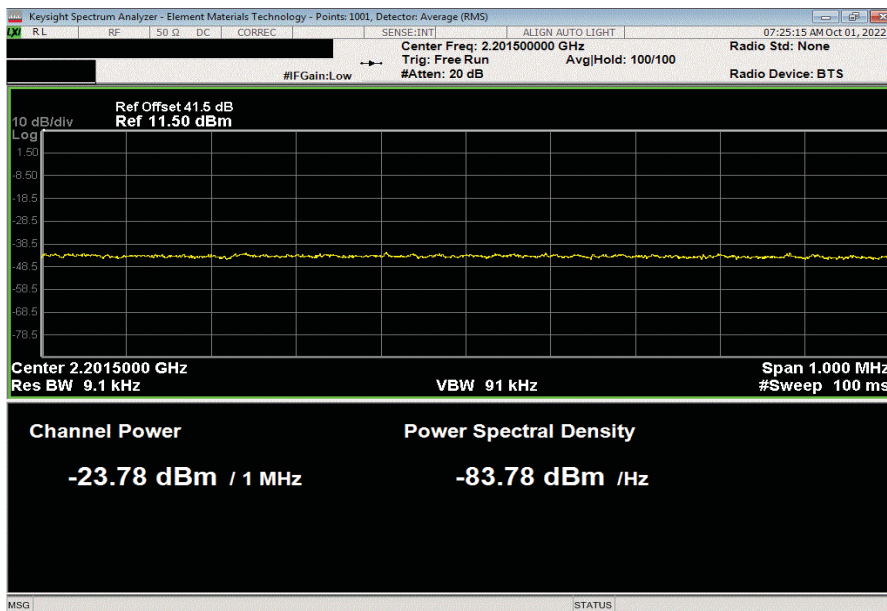
TbTx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
1	2200	-27.63	-19	Pass			



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)							
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result			
2	2201.5	-23.78	-19	Pass			



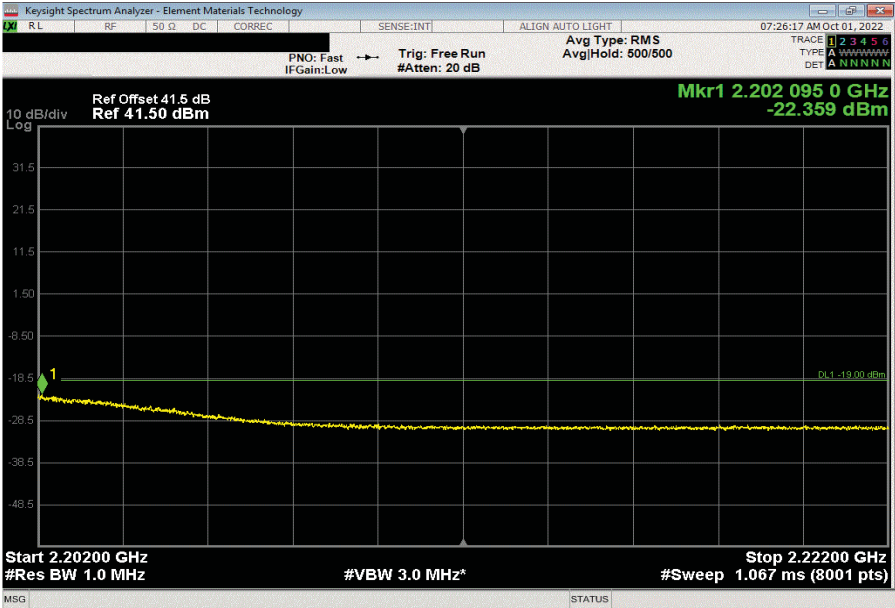
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



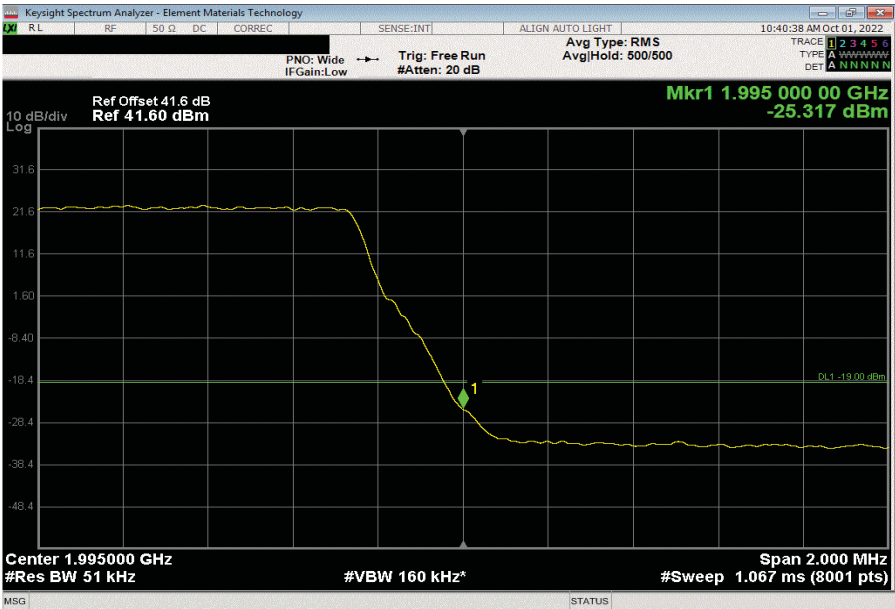
TbTfx 2022.06.03.0

XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 4, PCS Band 40W 5 MHz BW (1962.5 MHz), AWS Band 20W 30 MHz BW (2155.0 and 2185 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2202.1	-22.36	-19	Pass		



PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2172.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	1995	-25.32	-19	Pass		

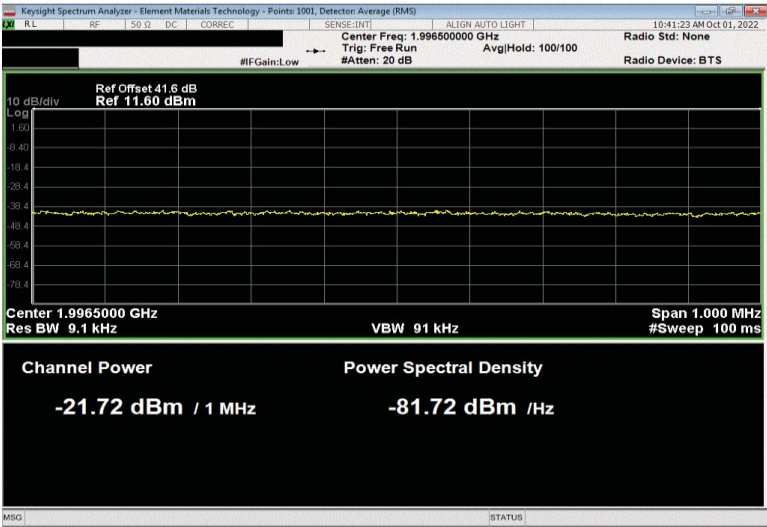


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

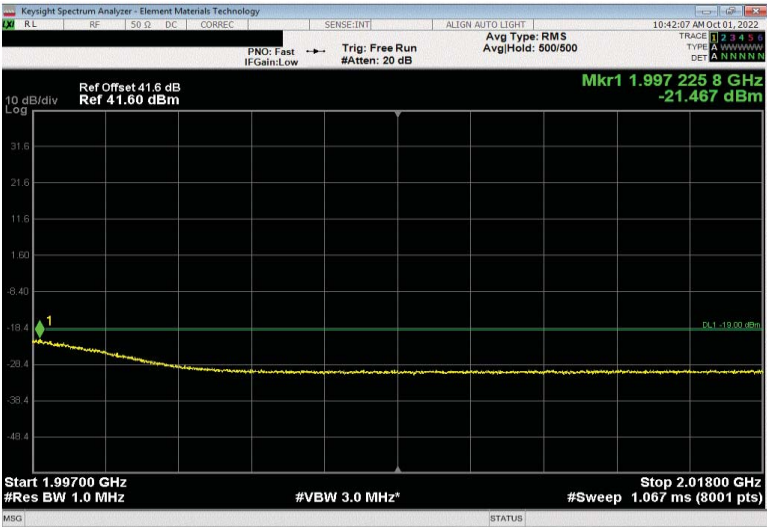


TMTA 2022.06.03.0 XMM 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	1996.5	-21.72	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, High Side, MultiCarrier Test Case 5, PCS Band 13.3W 5 MHz BW (1932.5, 1937.5 and 1992.5 MHz), AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	1997.23	-21.47	-19	Pass		

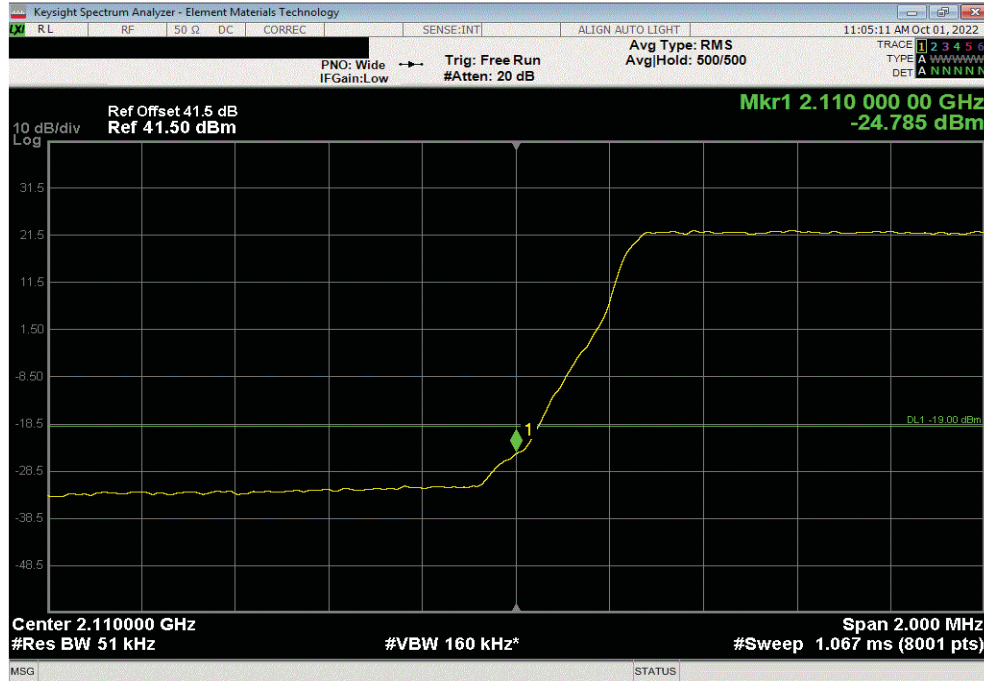


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

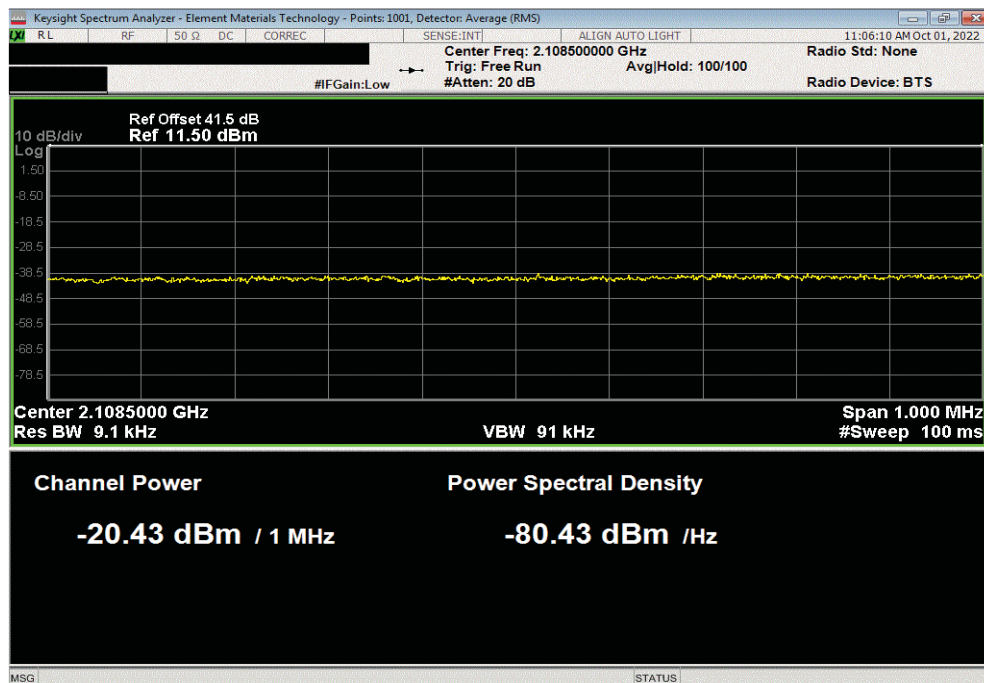


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-24.79	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-20.43	-19	Pass		



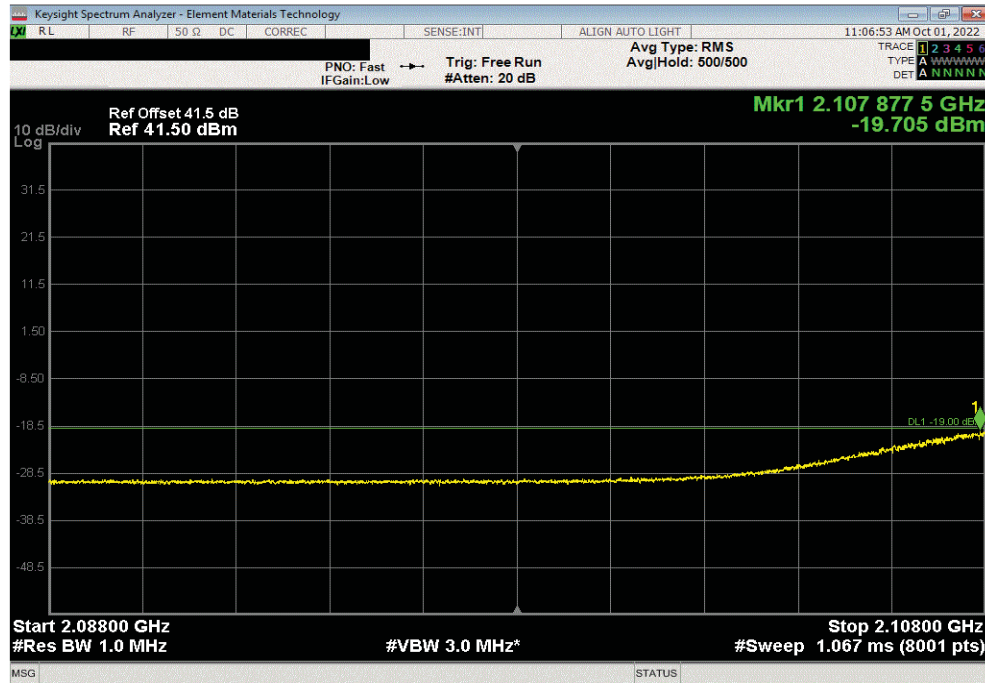
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



TbTtx 2022.06.03.0 XMIT 2022.02.07.0

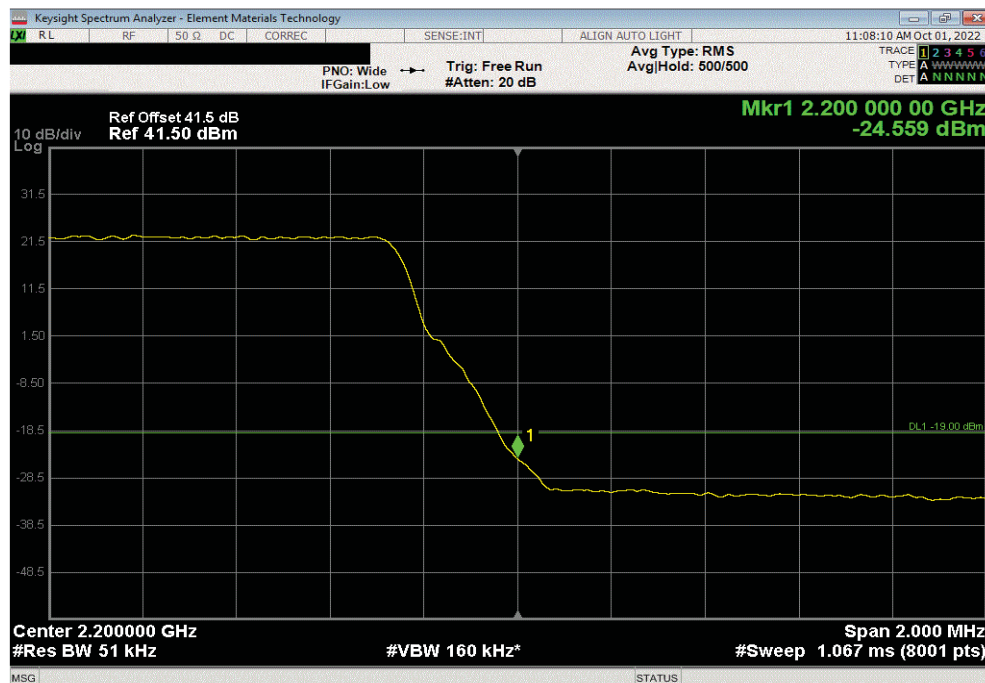
Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
3	2107.88	-19.71	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	2200	-24.56	-19	Pass



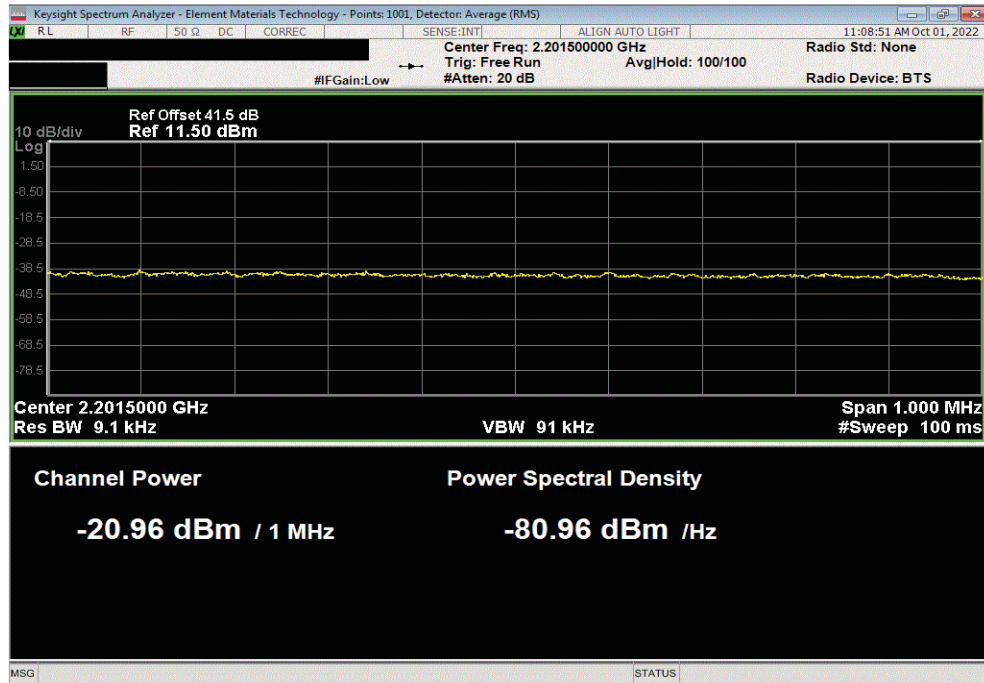
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



TbTx 2022.06.03.0 XbTx 2022.02.07.0

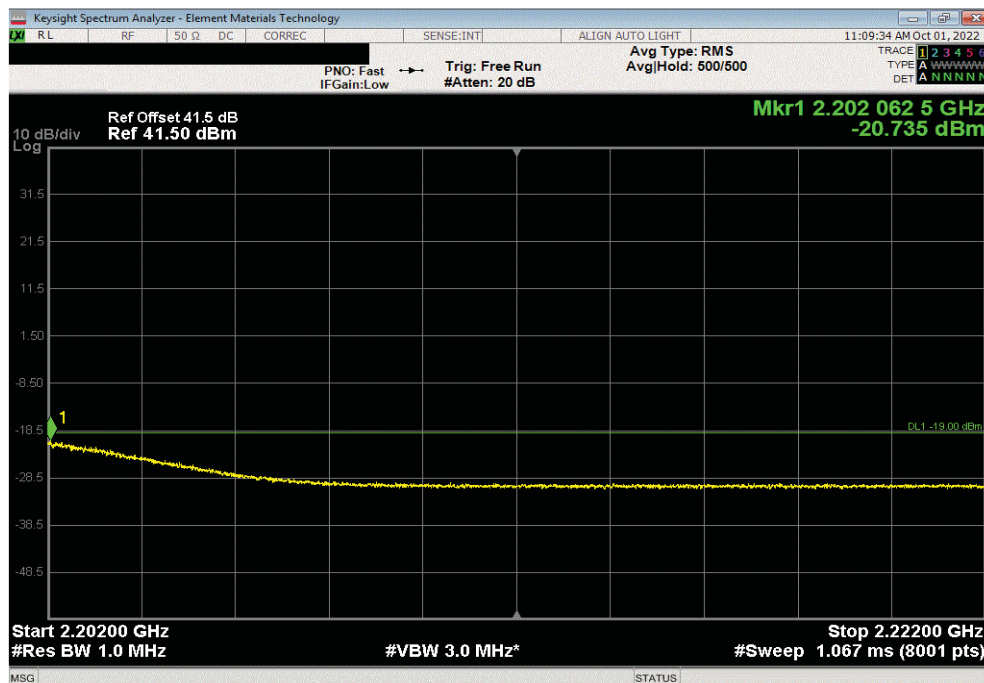
Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
2	2201.5	-20.96	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, QPSK, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
3	2202.06	-20.74	-19	Pass

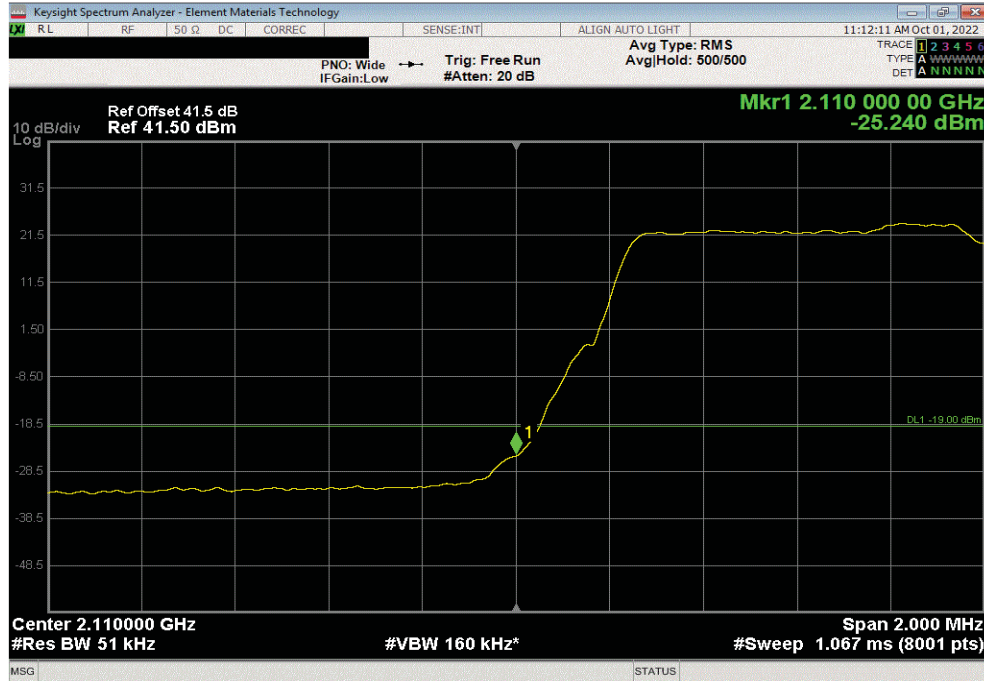


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

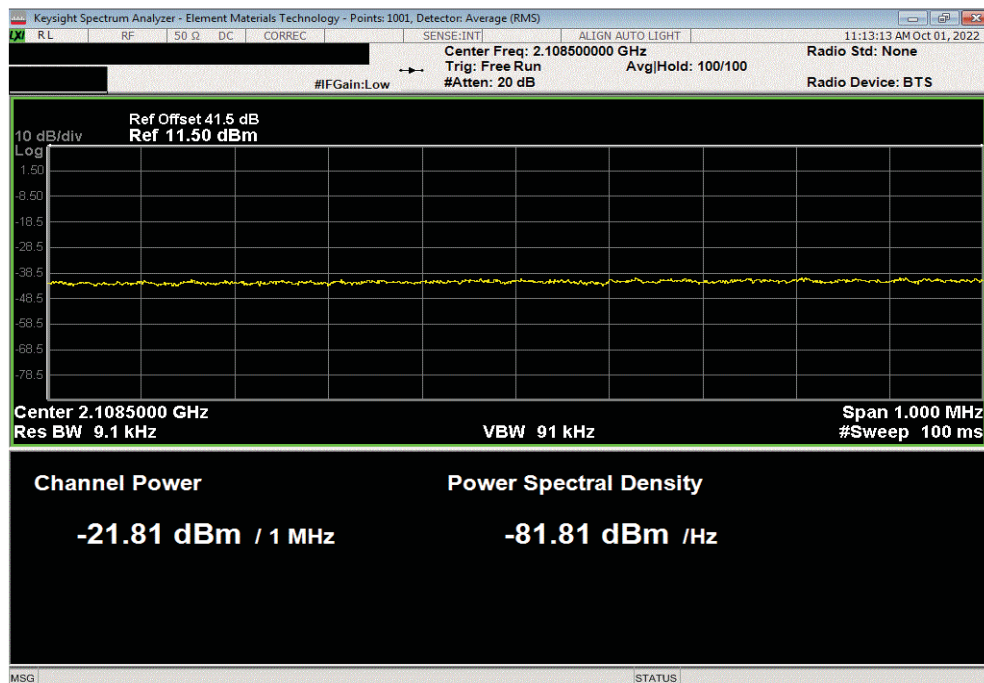


TbTx 2022.06.03.0 XMit 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-25.24	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-21.81	-19	Pass		

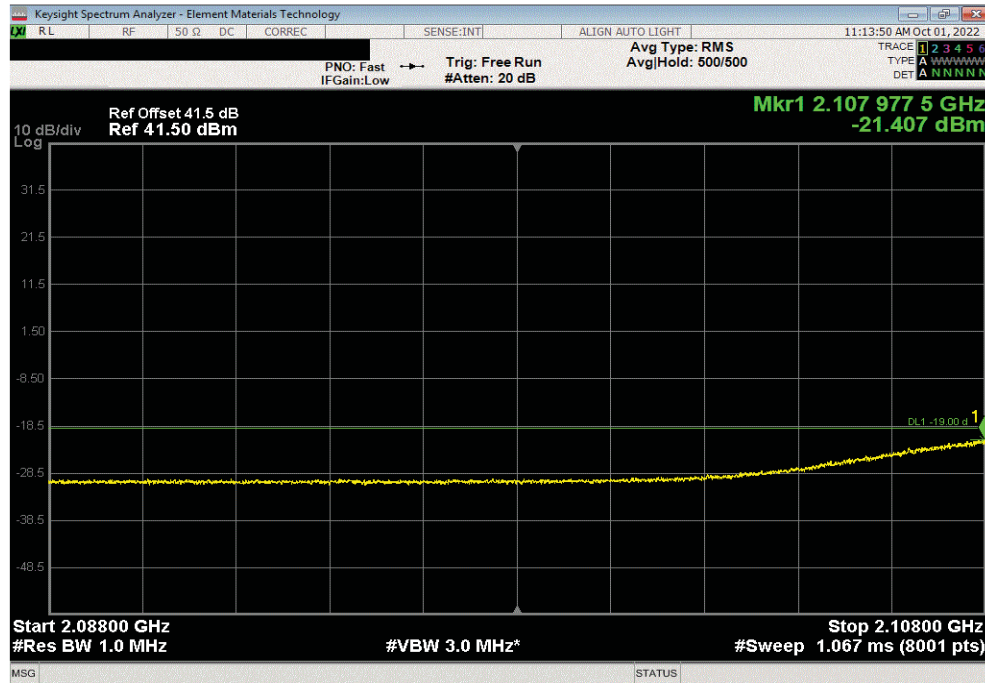


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

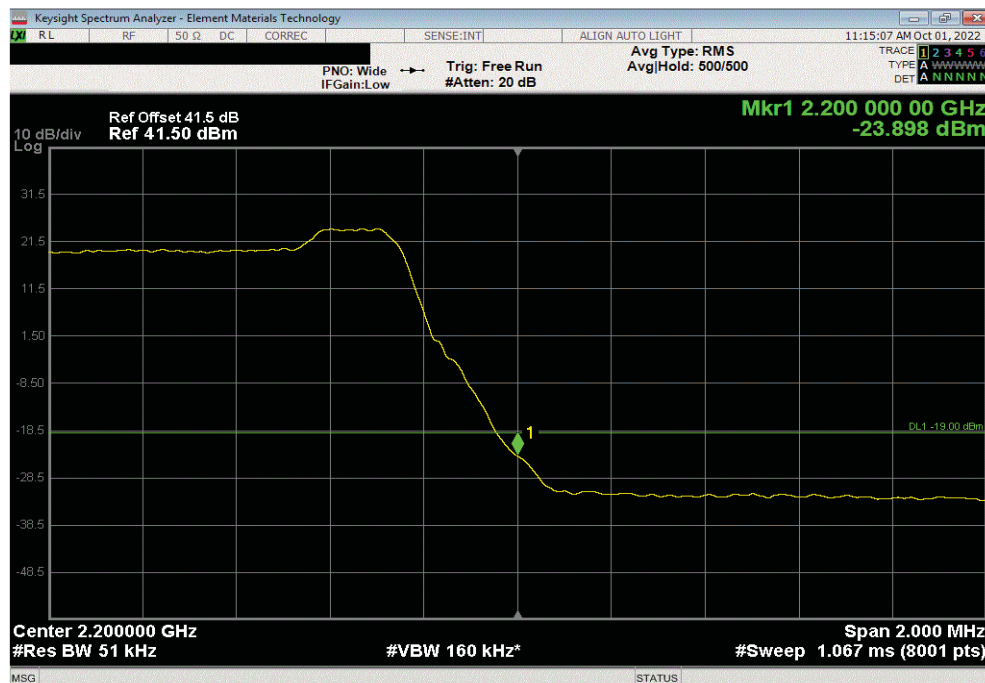


TbTtx 2022.06.03.0 XMit 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2107.98	-21.41	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2200	-23.9	-19	Pass		



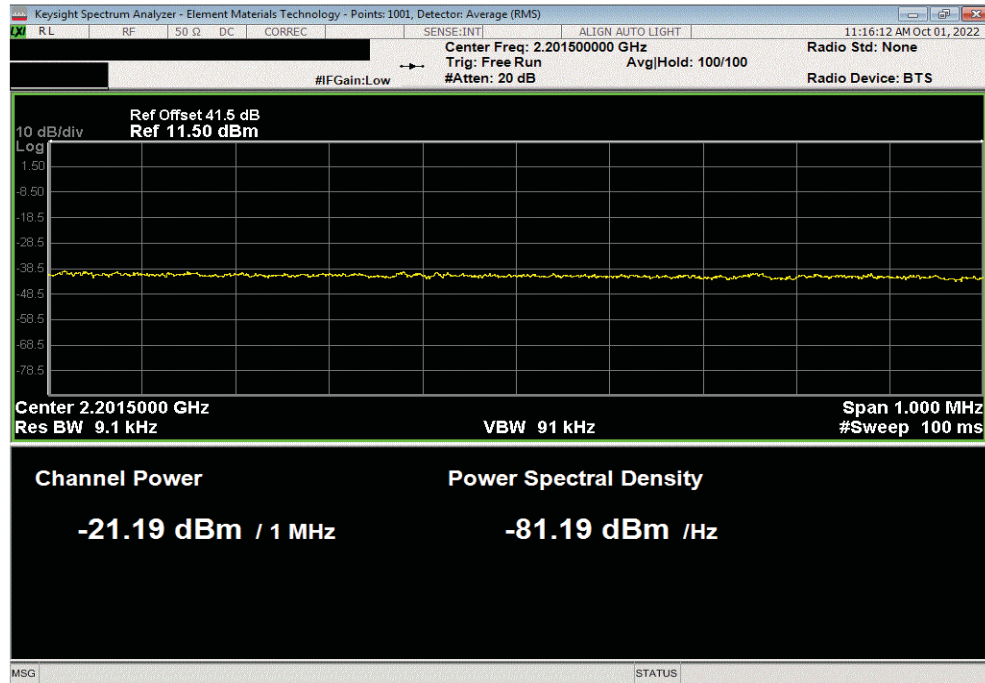
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



TbTx 2022.06.03.0 XbTx 2022.02.07.0

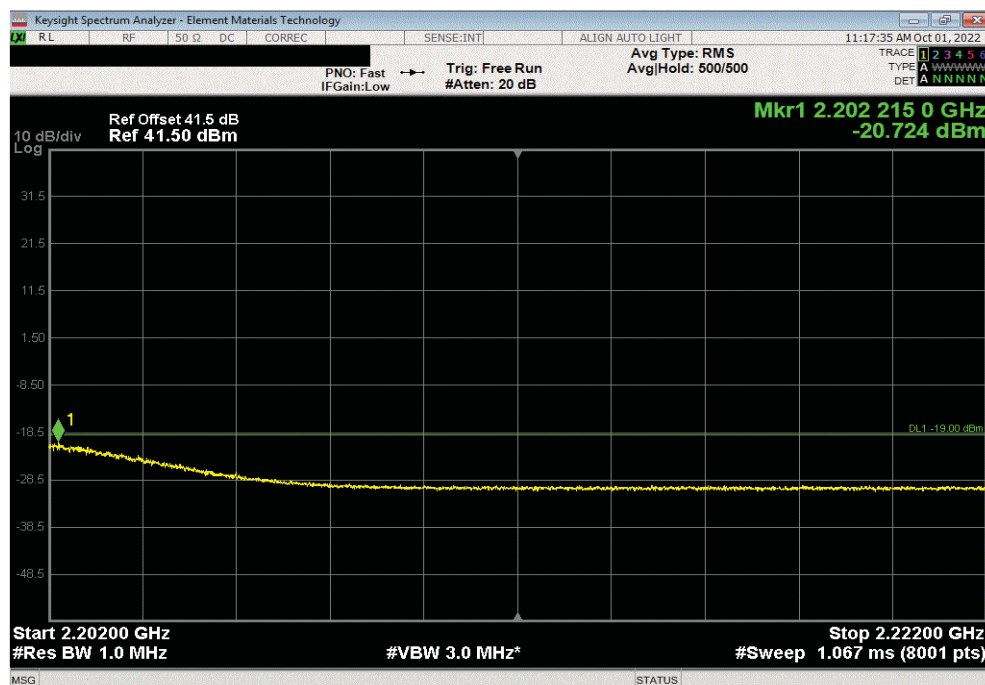
Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
2	2201.5	-21.19	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 16QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
3	2202.22	-20.72	-19	Pass

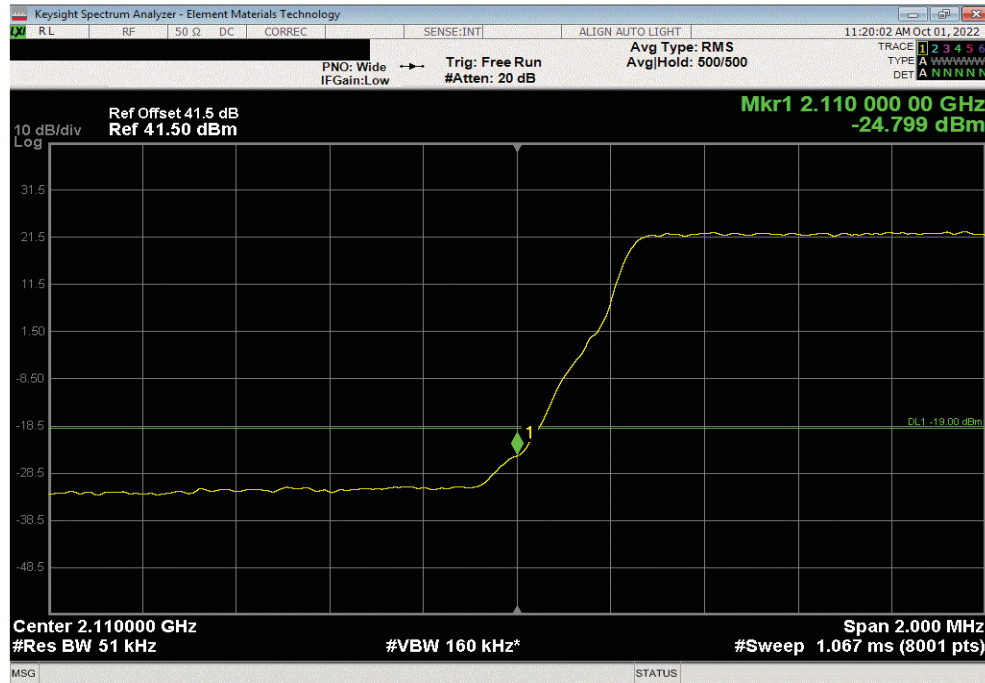


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

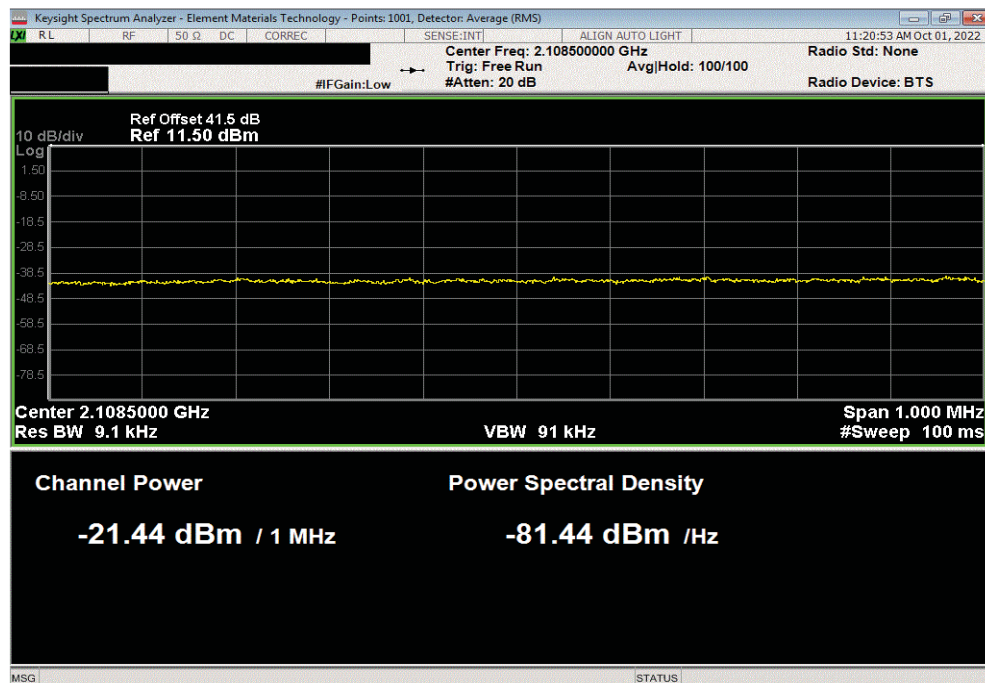


TbTtx 2022.06.03.0 XMit 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-24.8	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-21.44	-19	Pass		



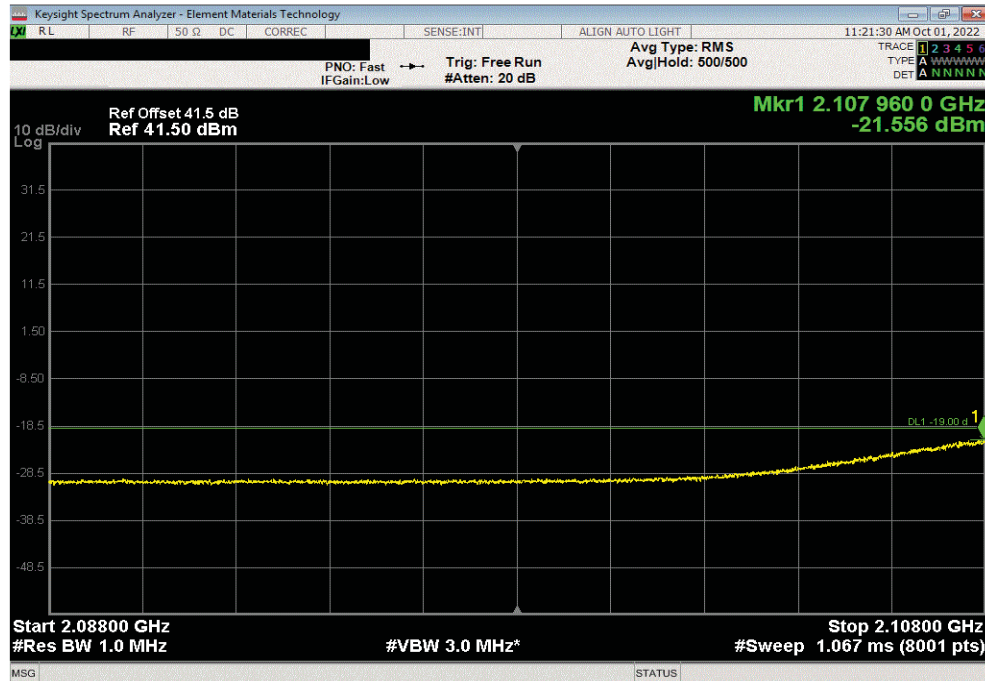
BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



TbTtx 2022.06.03.0 XMit 2022.02.07.0

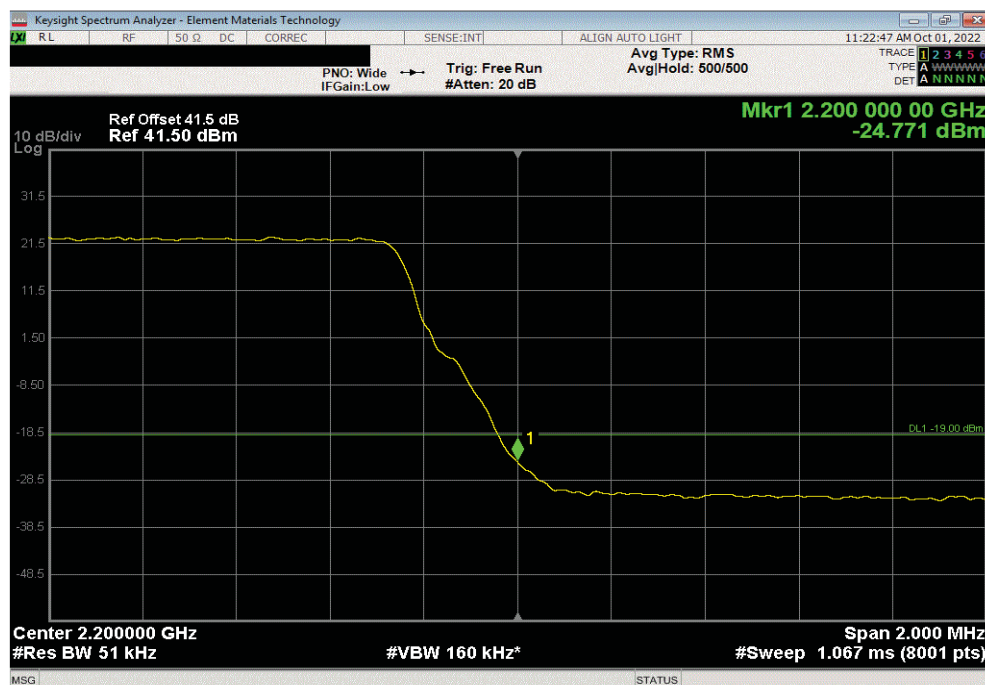
Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
3	2107.96	-21.56	-19	Pass



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)

Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result
1	2200	-24.77	-19	Pass

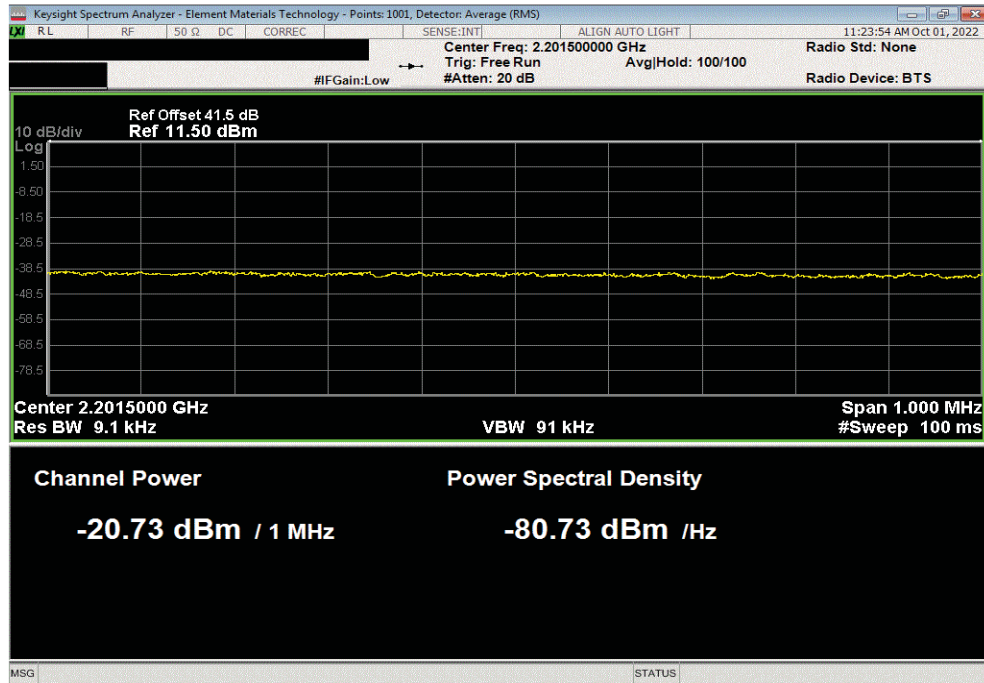


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER

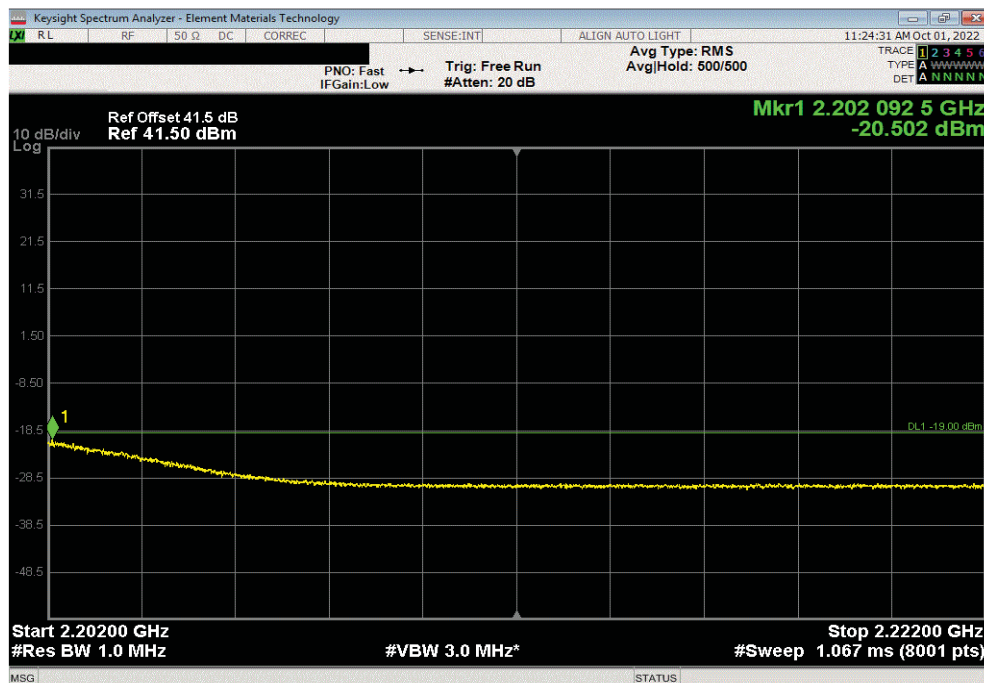


TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2201.5	-20.73	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 64QAM, High Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
3	2202.09	-20.5	-19	Pass		

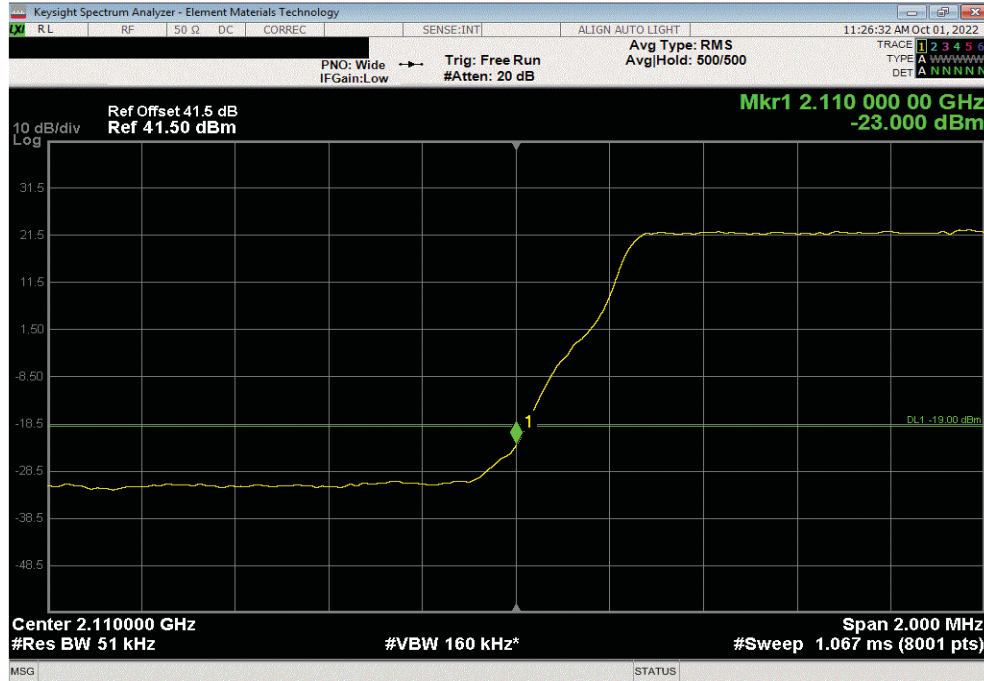


BAND EDGE COMPLIANCE - MULTIBAND MULTICARRIER



TbTx 2022.06.03.0 XbTx 2022.02.07.0

Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
1	2110	-23	-19	Pass		



Port 1, NR, PCS Band and AWS Band, MultiCarrier, 256QAM, Low Side, MultiCarrier Test Case 5, AWS Band 13.3W 5 MHz BW (2112.5, 2117.5 and 2197.5 MHz)						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit (dBm)	Result		
2	2108.5	-21.61	-19	Pass		

