

BAND EDGE COMPLIANCE - 4G LTE



XMIT 2020.12.30.0

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
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2021-03-11	2022-03-11
Block - DC	Fairview Microwave	SD3239	ANC	2021-06-24	2022-06-24
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17

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.

Per FCC Part 27.53(m)(2), the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The BTS may operate as a 8 port MIMO transmitter with transmitter outputs connected to four cross-polarized antennas [four transmitter outputs are connected to (+) radiators and four transmitter outputs are connected to (-) radiators]. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01, ANSI C63.26-2015 section 6.4.6.3 b)2) and KDB 662911 D02v01 page 3 example (2) since the transmitter outputs to each antenna are 90 degree-phase shifted relative to each other (cross-polarized radiators).

Per FCC 27.53(m)(6), "Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the 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 megahertz or 1 percent of emission bandwidth, as specified)".

RF conducted emissions testing was performed only on one port. The AZHL antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown during output power testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.2.5.3, 5.7.2i, and 6.4.

BAND EDGE COMPLIANCE - 4G LTE



TbTtX 2021.03.19.1 XMt 2020.12.30.0

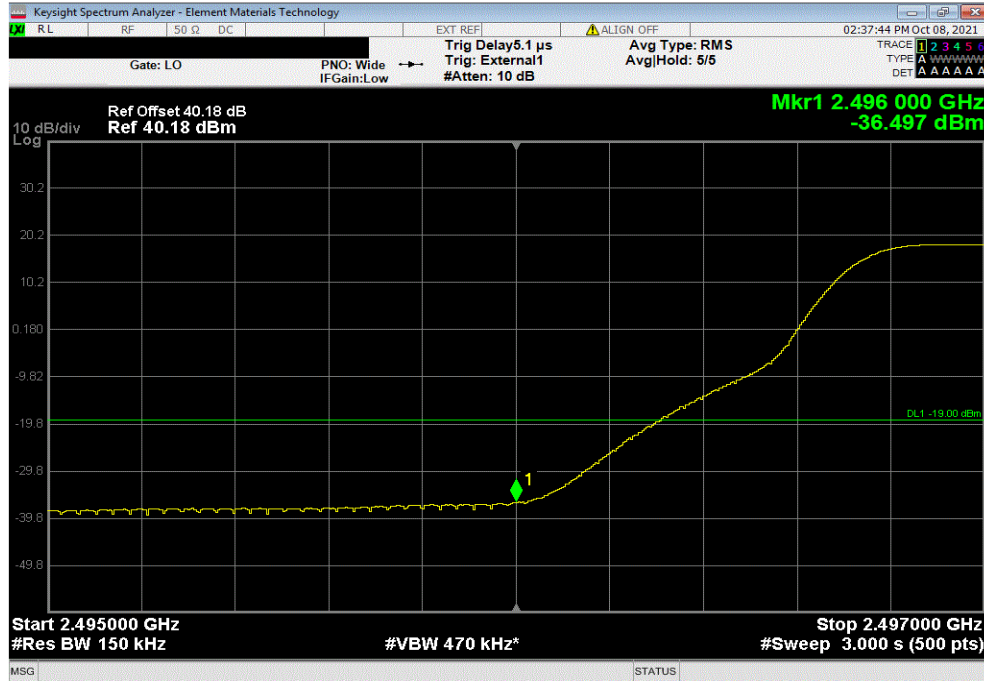
EUT: AZHL (C2PC LTE/5G NR B41)		Work Order: NOKI0035			
Serial Number: YK203400025		Date: 13-Oct-21			
Customer: Nokia Solutions and Networks		Temperature: 22.3 °C			
Attendees: David Le, John Rattavong		Humidity: 53.3% RH			
Project: None		Barometric Pres.: 1011 mbar			
Tested by: Brandon Hobbs		Power: 54 VDC			
Test Method		Job Site: TX09			
FCC 27:2021		ANSI C63.26:2015			
COMMENTS					
All losses in the measurement path were accounted for: attenuators, cables, DC block and filter when in use. Band n41 carriers and enabled at maximum power. External 1 gating was set using a trig delay = 5.044ms and a gate length = 6.8061ms.					
DEVIATIONS FROM TEST STANDARD					
None					
Configuration #	2	Signature			
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4G LTE, Band 41, 2496 MHz - 2690 MHz					
Port 1					
LTE15 (15MHz)					
QPSK					
Low Channel 2503.5 MHz	1	2496	-36.5	-19	Pass
Low Channel 2503.5 MHz	2	2495	-26.0	-19	Pass
High Channel 2682.5 MHz	1	2690	-27.8	-19	Pass
High Channel 2682.5 MHz	2	2691	-25.1	-19	Pass
16QAM					
Low Channel 2503.5 MHz	1	2496	-36.6	-19	Pass
Low Channel 2503.5 MHz	2	2495	-25.6	-19	Pass
High Channel 2682.5 MHz	1	2690	-27.9	-19	Pass
High Channel 2682.5 MHz	2	2691	-23.3	-19	Pass
64QAM					
Low Channel 2503.5 MHz	1	2496	-36.0	-19	Pass
Low Channel 2503.5 MHz	2	2495	-25.9	-19	Pass
High Channel 2682.5 MHz	1	2690	-27.9	-19	Pass
High Channel 2682.5 MHz	2	2691	-24.9	-19	Pass
256QAM					
Low Channel 2503.5 MHz	1	2496	-36.4	-19	Pass
Low Channel 2503.5 MHz	2	2495	-26.0	-19	Pass
High Channel 2682.5 MHz	1	2690	-27.9	-19	Pass
High Channel 2682.5 MHz	2	2691	-25.4	-19	Pass
LTE20 (20MHz)					
256QAM					
Low Channel 2506 MHz	1	2496	-26.7	-19	Pass
Low Channel 2506 MHz	2	2495	-28.1	-19	Pass
High Channel 2680 MHz	1	2690	-26.5	-19	Pass
High Channel 2680 MHz	2	2691	-26.6	-19	Pass

BAND EDGE COMPLIANCE - 4G LTE

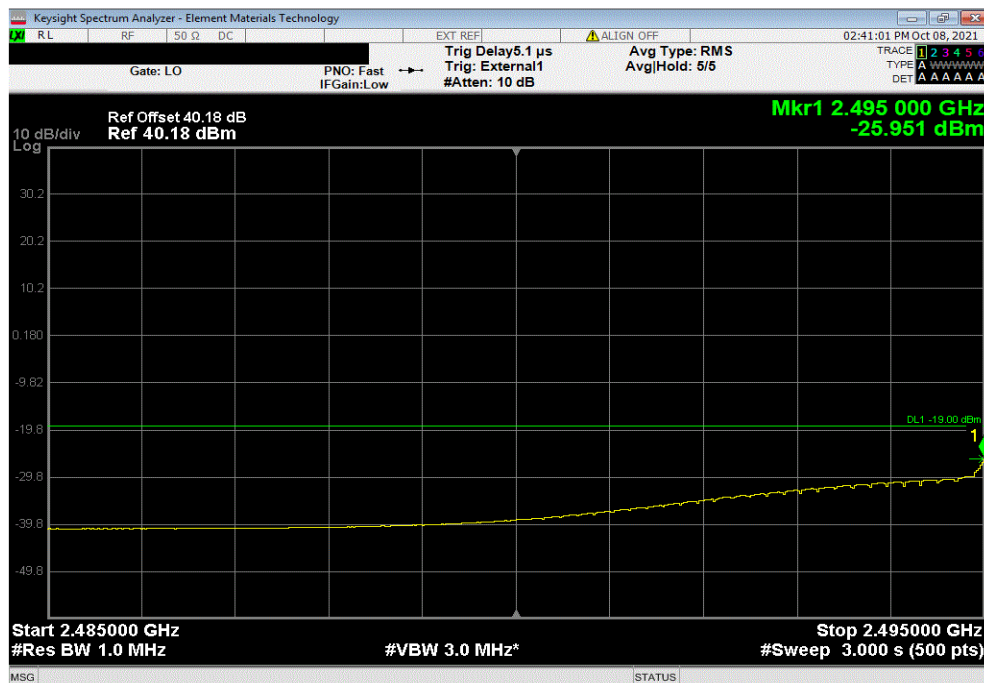


TbTtx 2021.03.19.1 XM8 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), QPSK, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2496	-36.5	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), QPSK, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2495	-25.95	-19	Pass		

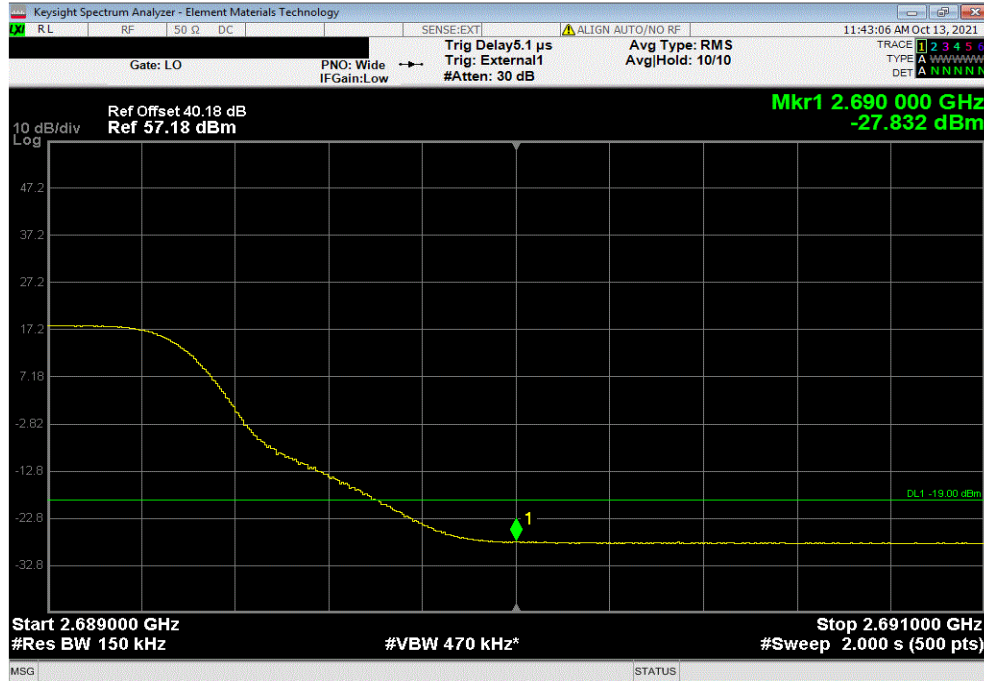


BAND EDGE COMPLIANCE - 4G LTE

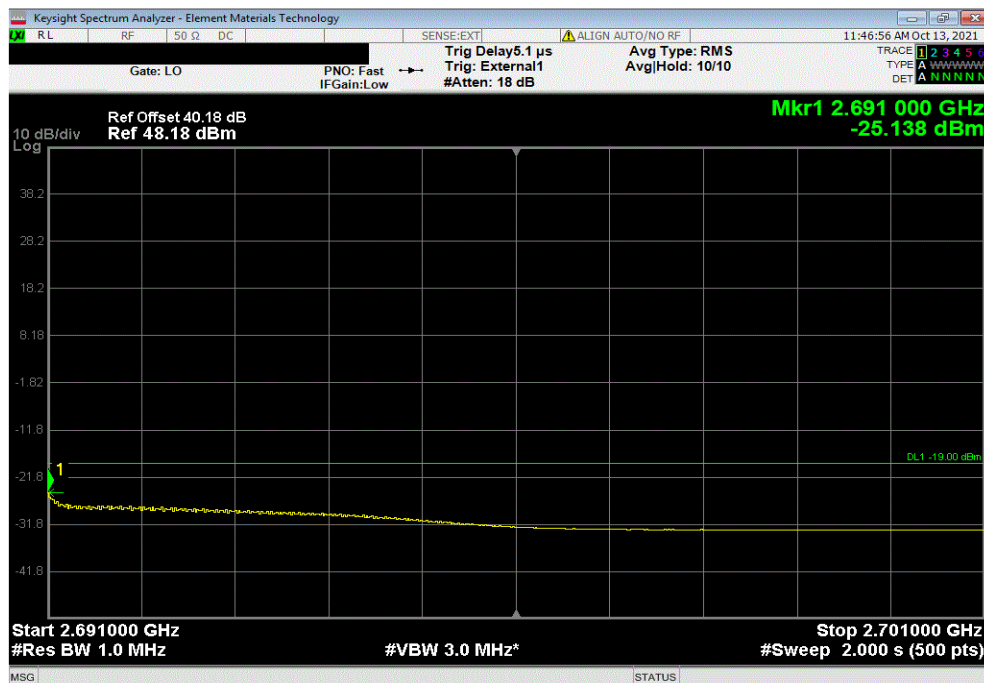


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), QPSK, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2690	-27.83	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), QPSK, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2691	-25.14	-19	Pass		

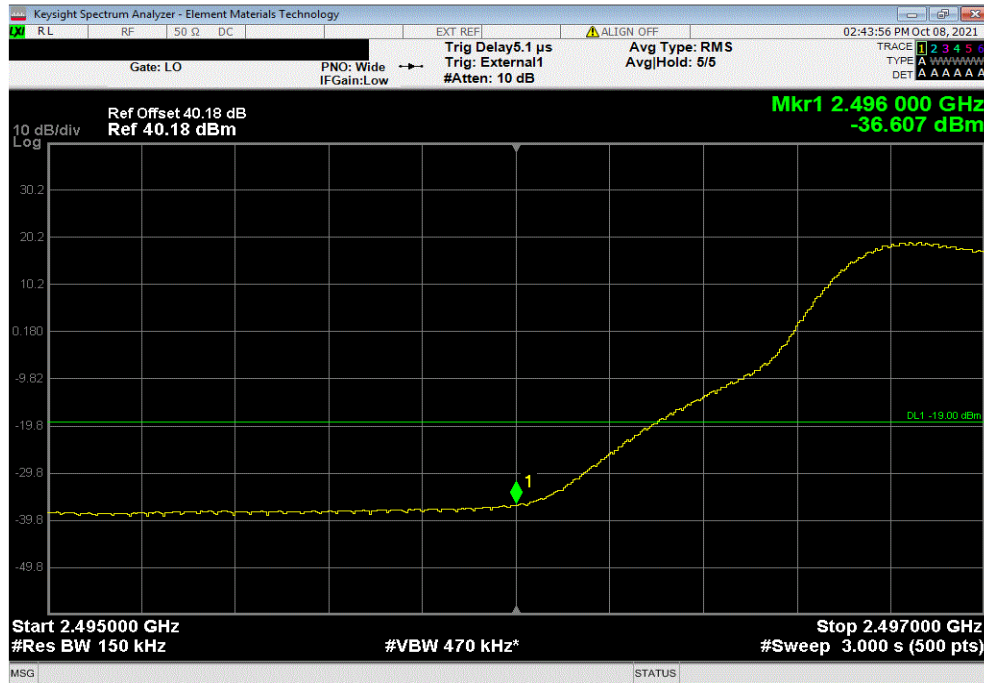


BAND EDGE COMPLIANCE - 4G LTE

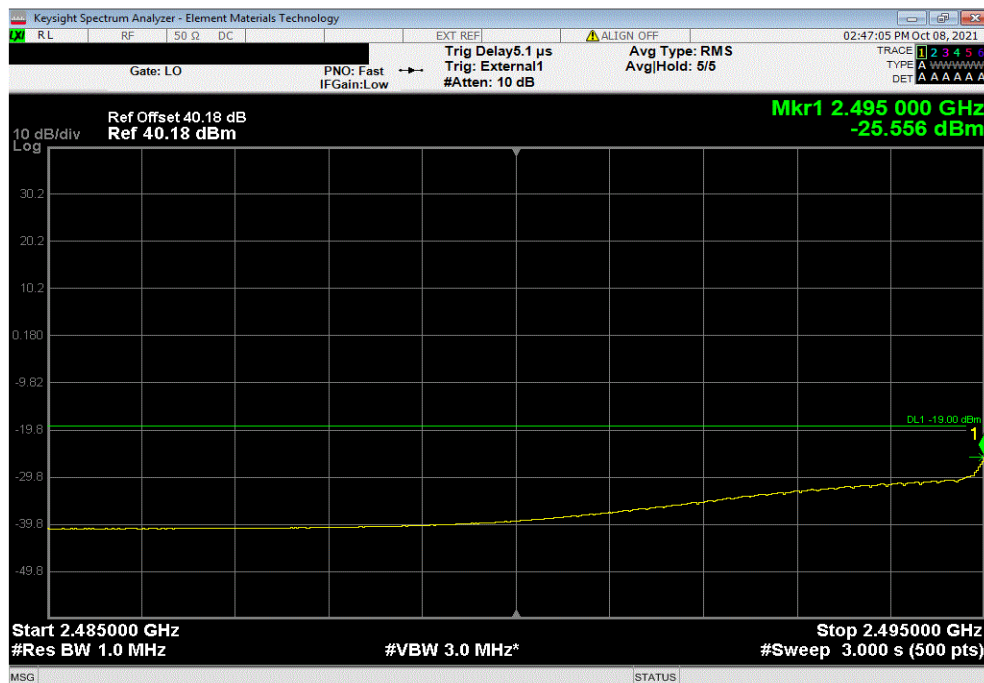


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 16QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2496	-36.61	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 16QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2495	-25.56	-19	Pass		

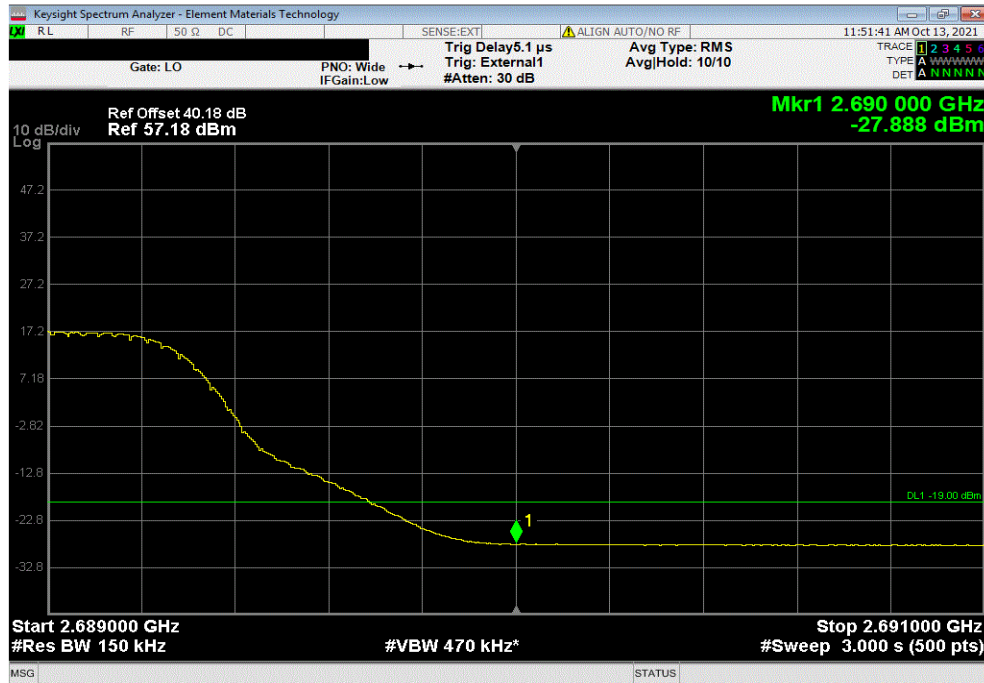


BAND EDGE COMPLIANCE - 4G LTE

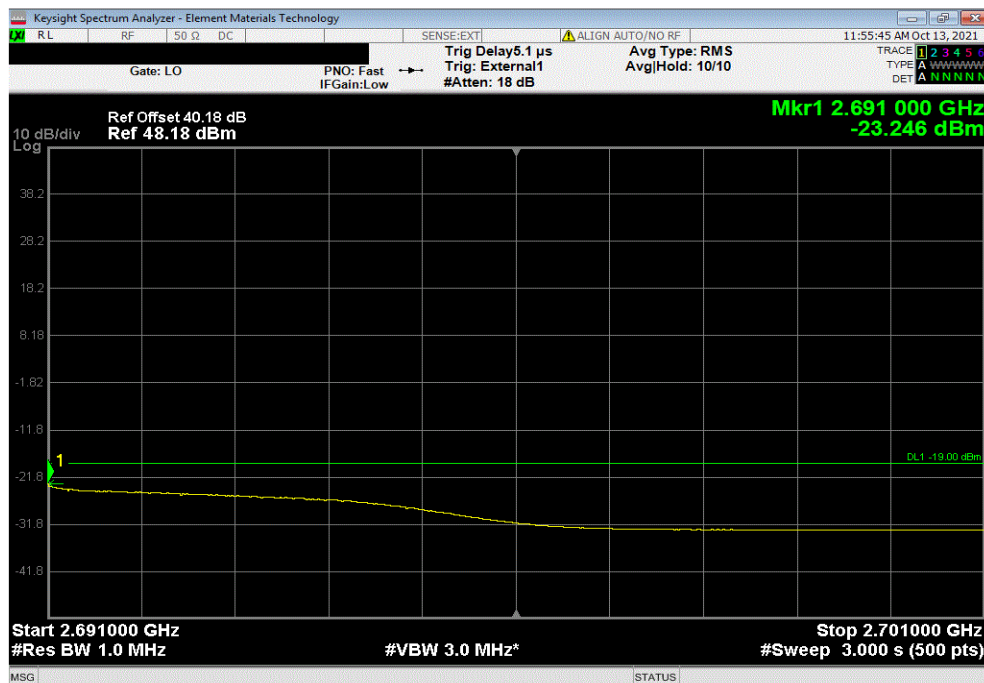


TbTtx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 16QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2690	-27.89	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 16QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2691	-23.25	-19	Pass		

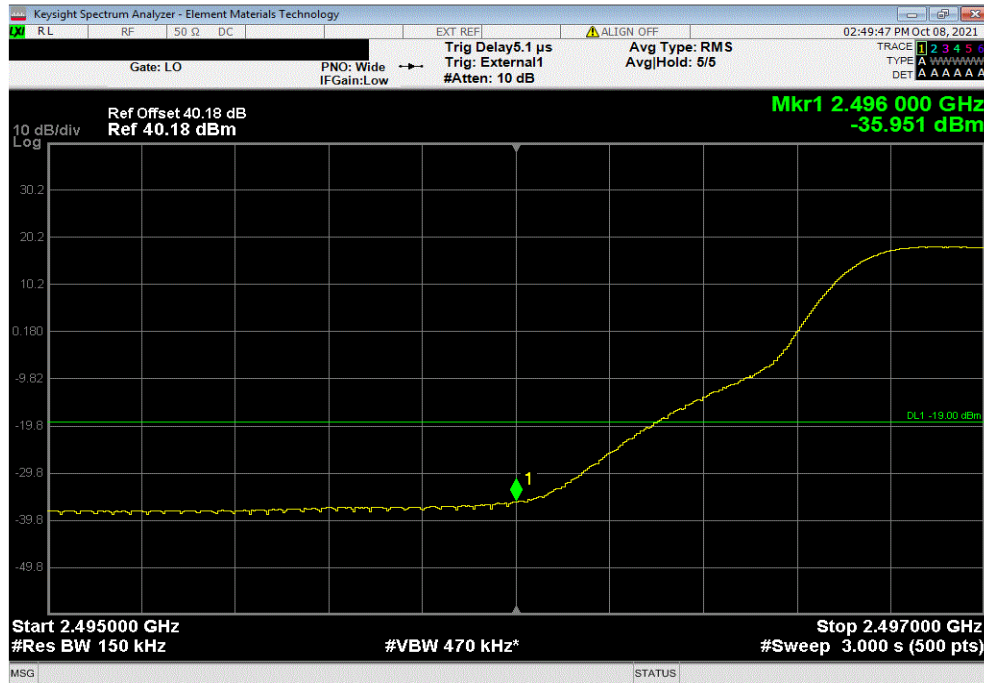


BAND EDGE COMPLIANCE - 4G LTE

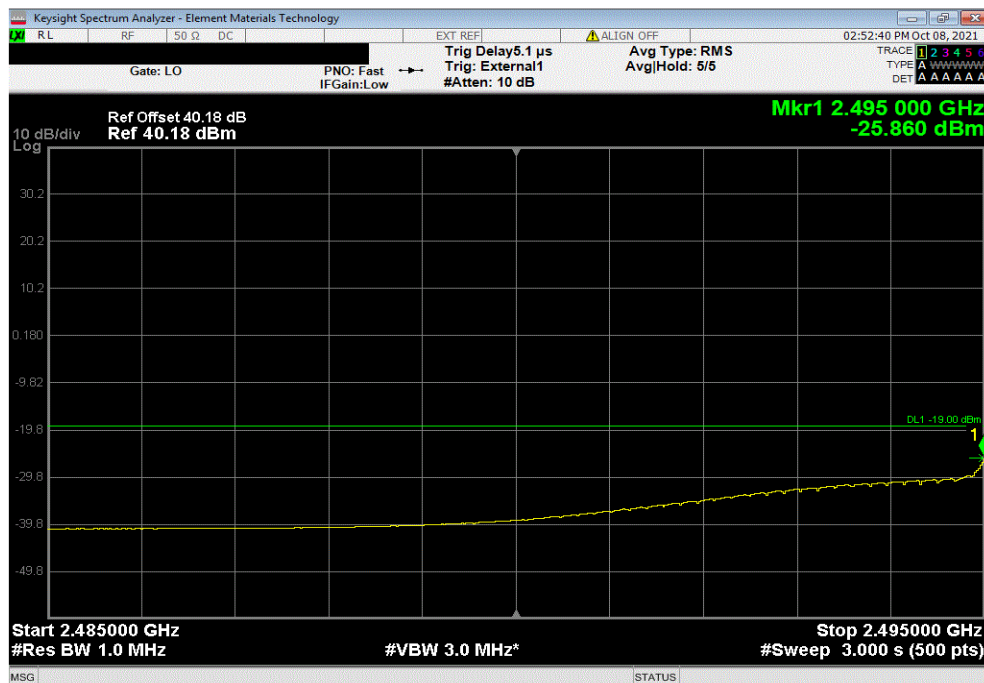


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 64QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2496	-35.95	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 64QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2495	-25.86	-19	Pass		

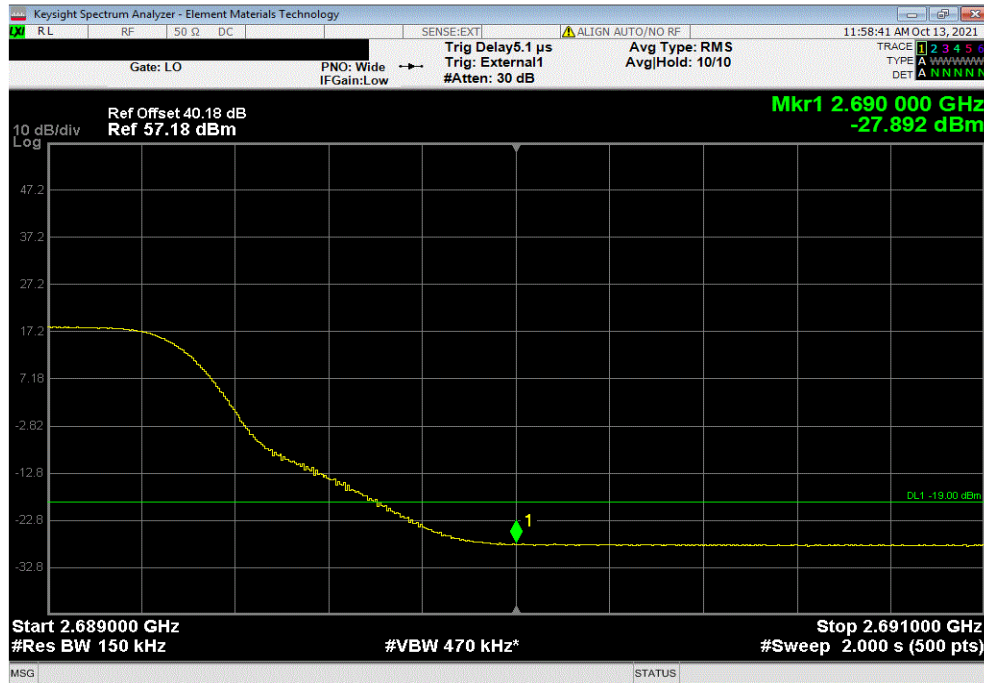


BAND EDGE COMPLIANCE - 4G LTE

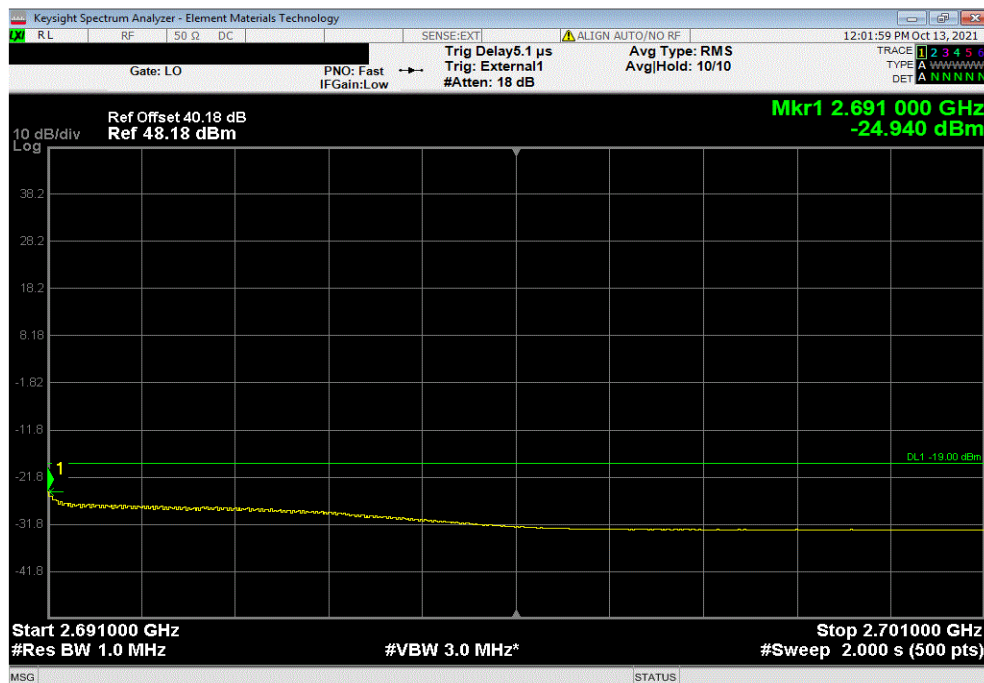


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 64QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2690	-27.89	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 64QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2691	-24.94	-19	Pass		

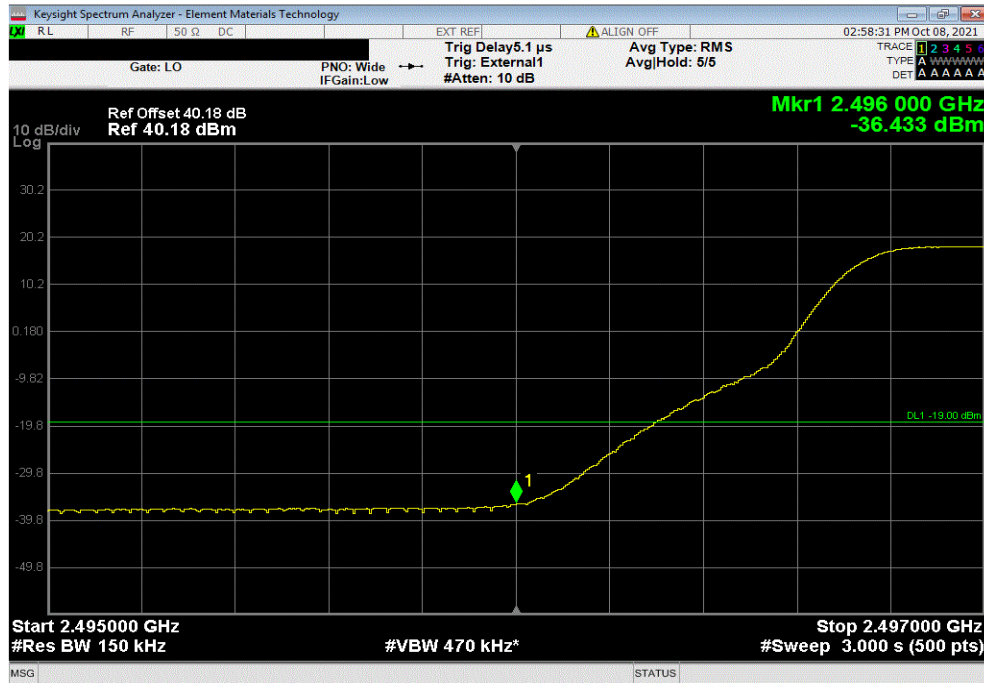


BAND EDGE COMPLIANCE - 4G LTE

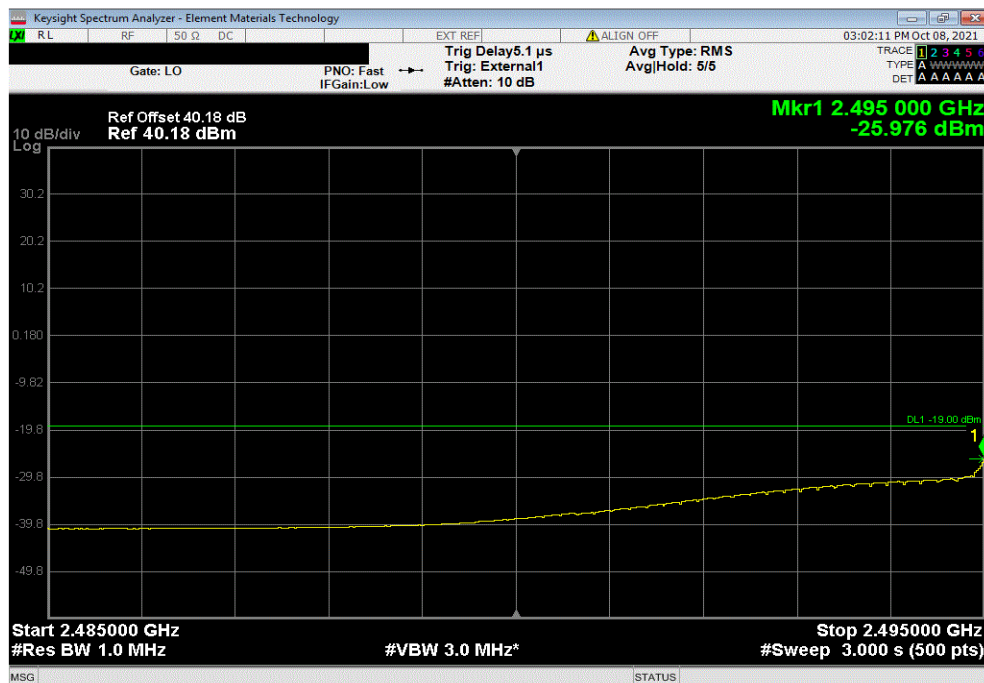


TbTtx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 256QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2496	-36.43	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 256QAM, Low Channel 2503.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2495	-25.98	-19	Pass		

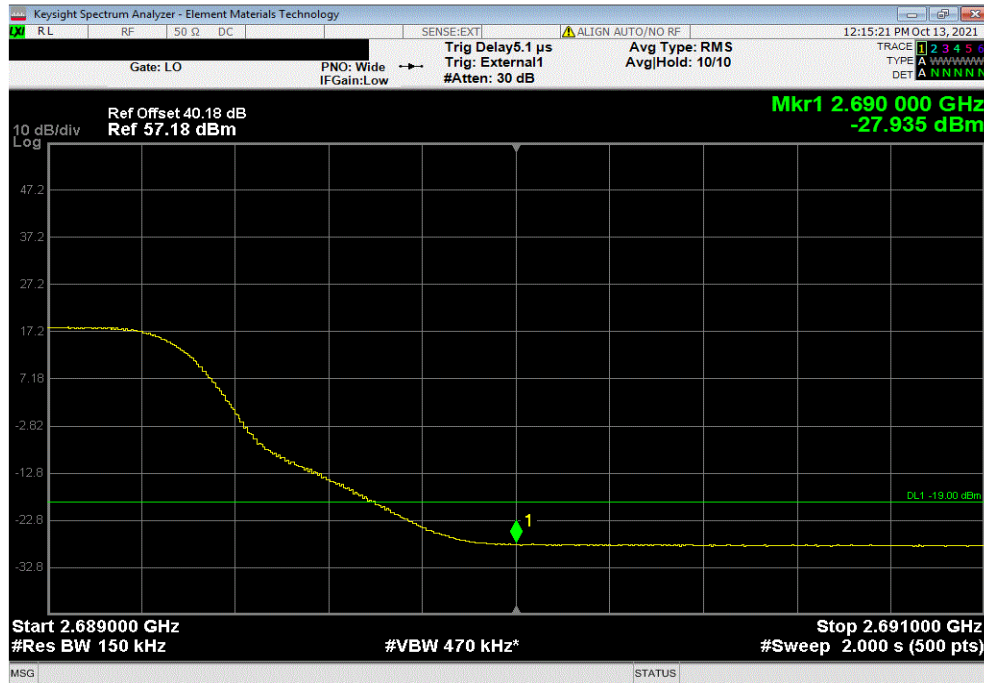


BAND EDGE COMPLIANCE - 4G LTE

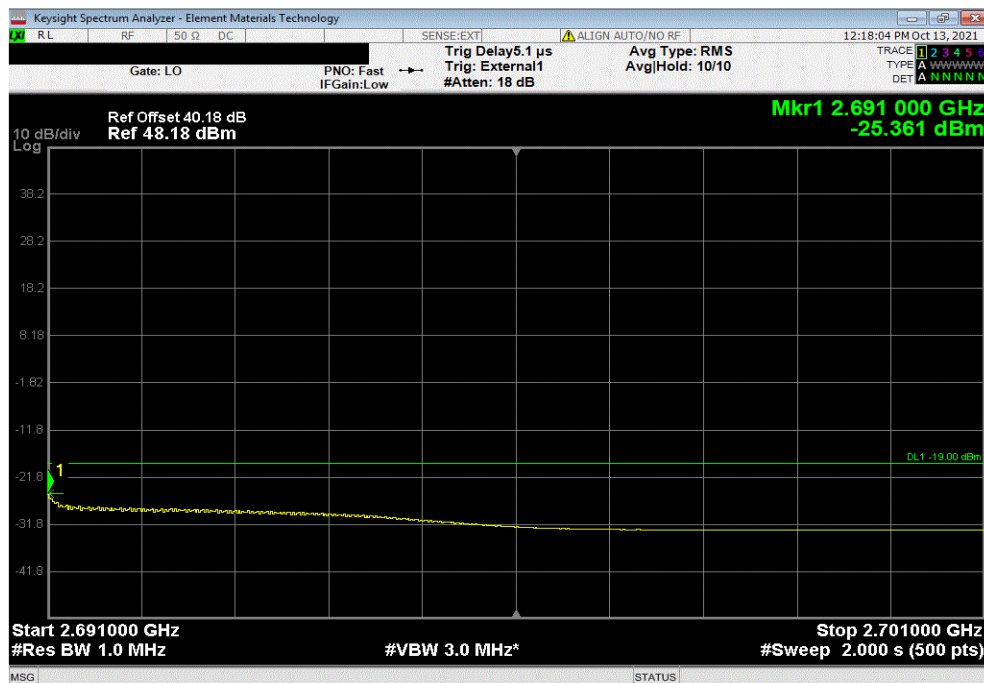


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 256QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2690	-27.94	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE15 (15MHz), 256QAM, High Channel 2682.5 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2691	-25.36	-19	Pass		

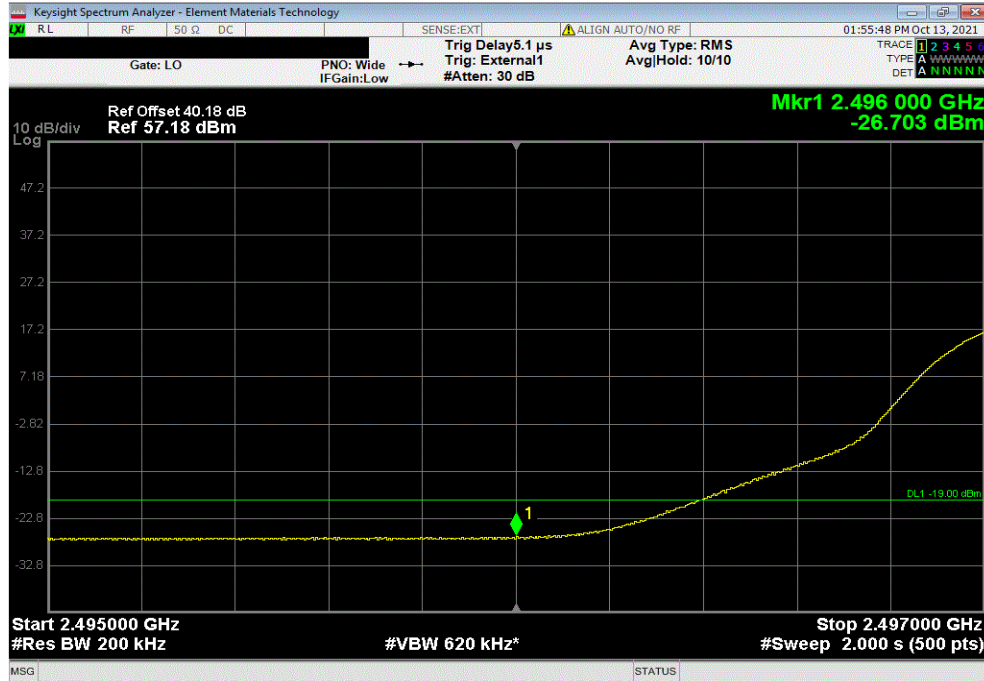


BAND EDGE COMPLIANCE - 4G LTE

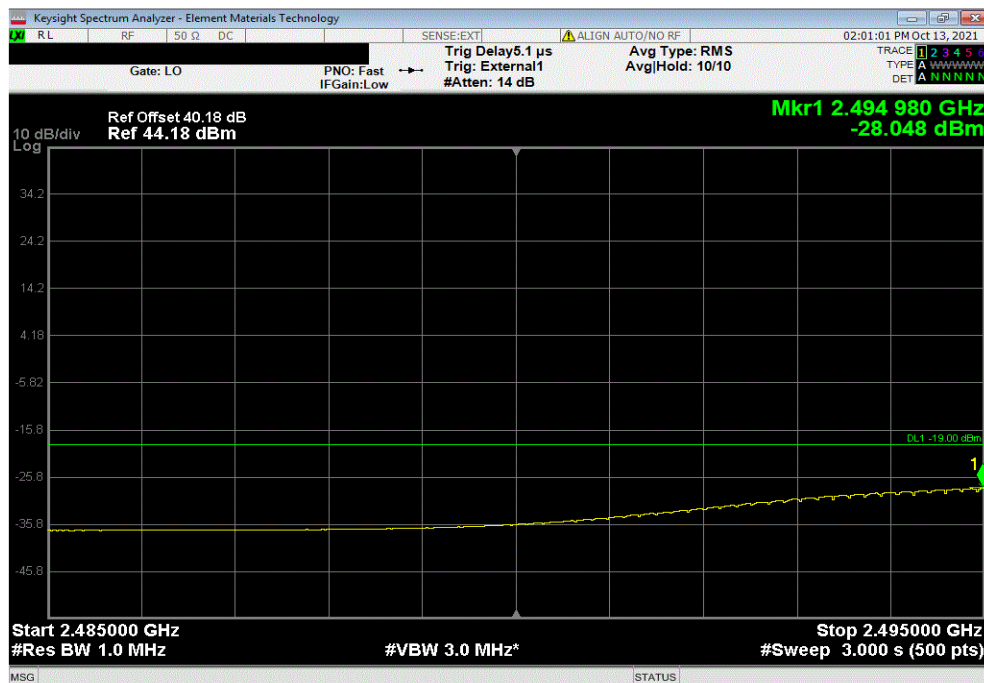


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE20 (20MHz), 256QAM, Low Channel 2506 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2496	-26.7	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE20 (20MHz), 256QAM, Low Channel 2506 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2494.98	-28.05	-19	Pass		

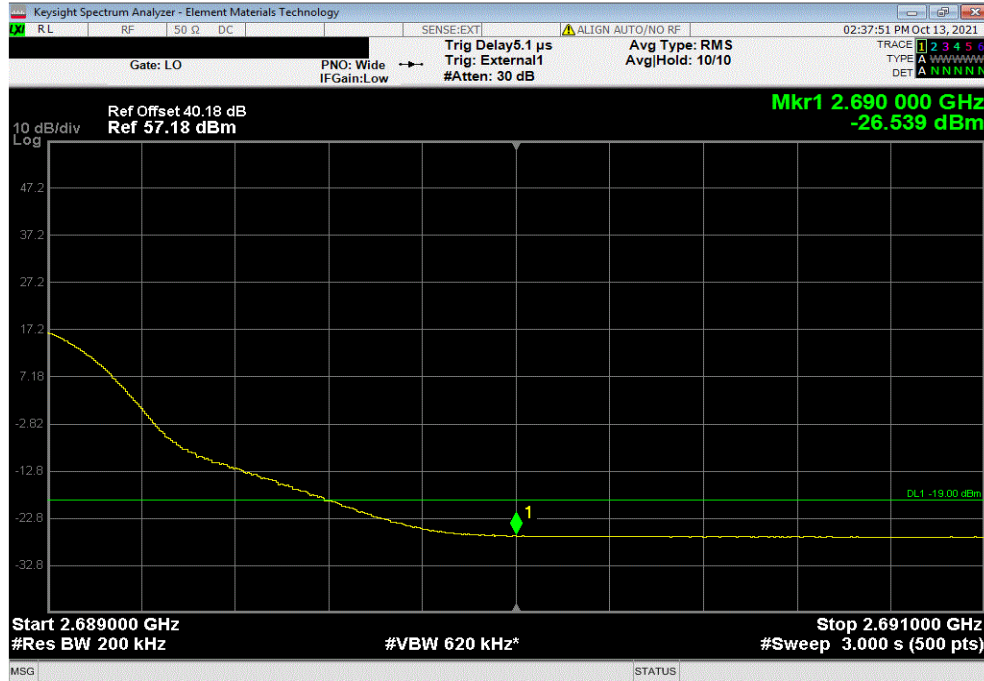


BAND EDGE COMPLIANCE - 4G LTE

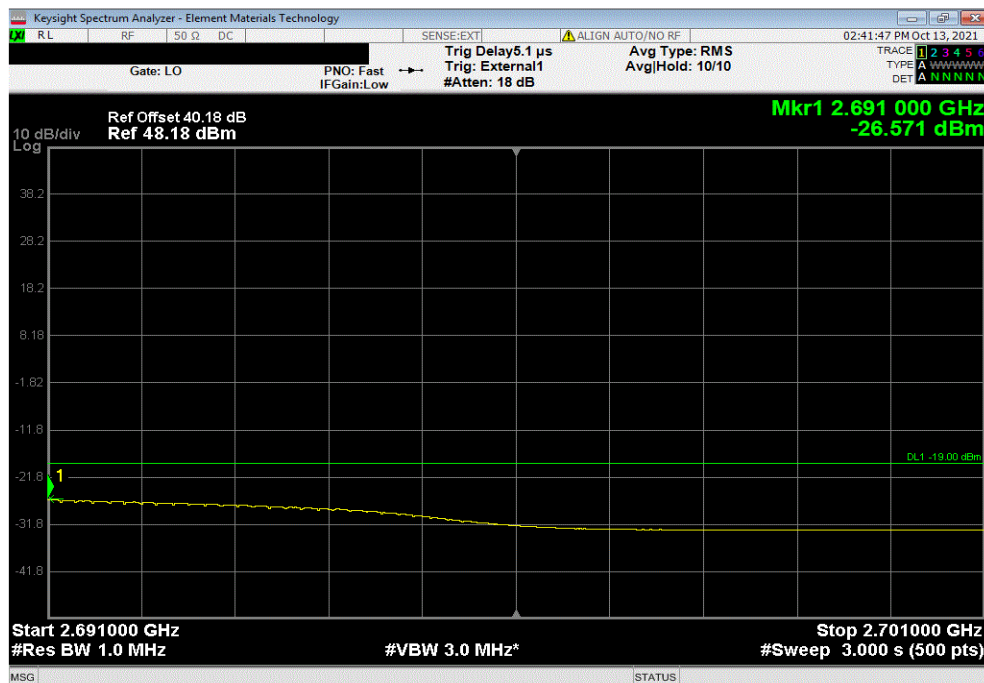


TbTx 2021.03.19.1 XMt 2020.12.30.0

4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE20 (20MHz), 256QAM, High Channel 2680 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
1	2690	-26.54	-19	Pass		



4G LTE, Band 41, 2496 MHz - 2690 MHz, Port 1, LTE20 (20MHz), 256QAM, High Channel 2680 MHz						
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result		
2	2691	-26.57	-19	Pass		



SPURIOUS CONDUCTED EMISSIONS - 5G NR



XMIT 2020.12.30.0

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
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	2021-03-11	2022-03-11
Generator - Signal	Agilent	N5173B	TIW	2020-07-17	2023-07-17
Block - DC	Fairview Microwave	SD3239	ANC	2021-06-24	2022-06-24
Block - DC	Fairview Microwave	SD3379	AMM	2021-09-14	2022-09-14

TEST DESCRIPTION

The antenna port spurious emissions were measured at the RF output terminal of the EUT through 4 different attenuation configurations which continues through to the RF input of the spectrum analyzer. Analyzer plots utilizing a resolution bandwidth called out by the client's test plan were made for each modulation type from 9 KHz to 27 GHz. The conducted power of spurious emissions, up to the 10th harmonic of the transmit frequency, were investigated to ensure they were less than the limits also called out by the client's test plan shown below.

The measurement methods are detailed in KDB 971168 D01v03 section 6 and ANSI C63.26-2015.

Per FCC 2.1057(a)(1) and RSS Gen 6.13, the upper level of measurement is the 10th harmonic of the highest fundamental frequency.

These measurements are for the frequency band after the first 1.0 MHz bands immediately outside and adjacent to the frequency block.

RF conducted emissions testing was performed only on one port. The AZHL antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in output power 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.

Per FCC Part 27.53(m)(2), the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The BTS may operate as a 8 port MIMO transmitter with transmitter outputs connected to four cross-polarized antennas [four transmitter outputs are connected to (+) radiators and four transmitter outputs are connected to (-) radiators]. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01, ANSI C63.26-2015 section 6.4.6.3 b)2) and KDB 662911 D02v01 page 3 example (2) since the transmitter outputs to each antenna are 90 degree-phase shifted relative to each other (cross-polarized radiators).

Per FCC 27.53(m)(6), "Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the 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 megahertz or 1 percent of emission bandwidth, as specified)".

The limit for the 9kHz to 150kHz frequency range was adjusted to -49dBm to correct for a spectrum analyzer RBW of 1kHz versus required RBW of 1MHz [i.e.: -49dBm = -19dBm -10log(1MHz/1kHz)]. The limit for the 150kHz to 20MHz frequency range was adjusted to -39dBm to correct for a spectrum analyzer RBW of 10kHz versus required RBW of 1MHz [i.e.: -39dBm = -19dBm -10log(1MHz/10kHz)]. The required limit of -19dBm with a RBW of ≥ 1 MHz was used for all other frequency ranges. (See ANSI C63.26-2015 paragraph 5.7.2a for details on the Limit/RBW scaling method)

SPURIOUS CONDUCTED EMISSIONS - 5G NR



THTx 2021.03.19.1 XMH 2020.12.30.0

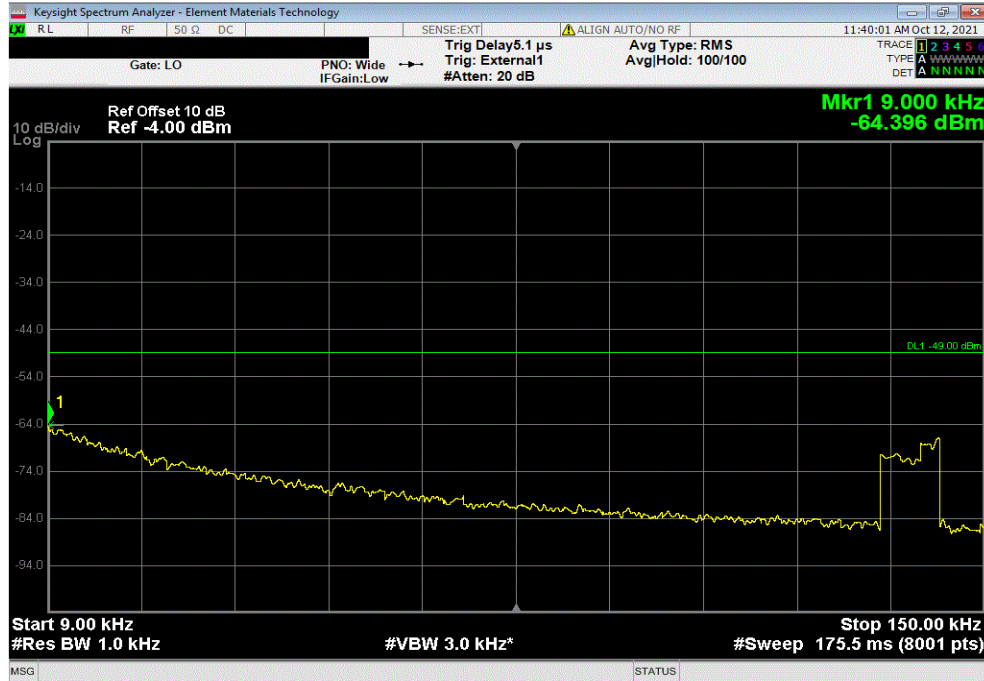
EUT: AZHL (C2PC LTE/5G NR B41)		Work Order: NOKI0035				
Serial Number: YK203400025		Date: 12-Oct-21				
Customer: Nokia Solutions and Networks		Temperature: 21.6 °C				
Attendees: David Le, John Rattanavong		Humidity: 49.5% RH				
Project: None		Barometric Pres.: 1015 mbar				
Tested by: Brandon Hobbs		Power: 154 VDC				
TEST SPECIFICATIONS		Test Method				
FCC 27:2021		ANSI C63.26:2015				
COMMENTS						
All losses in the measurement path were accounted for: attenuators, cables, DC block and filter when in use. Band n41 carriers and enabled at maximum power. External 1 gating was set using a trig delay = 86.2us and a gate length = 3.714ms.						
DEVIATIONS FROM TEST STANDARD						
None						
Configuration #	1,2,3,4	Signature 				
		Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz						
(NR20) 20 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.4	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-58.2	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3755.67	-27.5	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2708.29	-34.8	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4773.15	-50.0	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13602.25	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26213.4	-47.1	-19	Pass
(NR30) 30 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.7	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.16	-58.9	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3748.7	-27.6	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2708.29	-34.8	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4773.15	-50.1	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	14360.7	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26262.45	-47.3	-19	Pass
(NR40) 40 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-63.3	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-58.6	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3737.76	-27.7	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2705.88	-34.8	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4784.7	-50.0	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13600.5	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26251.65	-47.4	-19	Pass
(NR50) 50 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.5	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.16	-58.8	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3708.9	-28.0	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2710.09	-34.8	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4771.05	-50.2	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13602.95	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26213.85	-47.3	-19	Pass
(NR60) 60 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.2	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.16	-58.5	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3758.16	-27.7	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2705.26	-34.7	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4773.15	-49.9	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13605.05	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26266.95	-47.2	-19	Pass
(NR70) 70 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.3	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-59.3	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3748.21	-27.5	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2709.79	-34.6	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4788.2	-50.3	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	14344.25	-42.4	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26232.75	-47.3	-19	Pass
(NR80) 80 MHz Bandwidth						
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.1	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-58.0	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3784.52	-27.4	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2712.49	-34.3	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4770.7	-50.0	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	14357.55	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26221.05	-47.1	-19	Pass
(NR90) 90 MHz Bandwidth						
QPSK Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-63.7	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.16	-58.6	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3788.01	-25.8	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2724.8	-34.3	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4785.05	-49.9	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13605.75	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26254.8	-47.1	-19	Pass
16QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-63.5	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.16	-59.1	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3793.98	-27.6	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2724.8	-34.4	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4773.85	-49.9	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13601.9	-42.2	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26256.6	-47.1	-19	Pass
64QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-64.0	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-58.2	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3738.75	-27.7	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2715.49	-34.3	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4785.75	-49.9	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13614.15	-42.3	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26256.15	-47.1	-19	Pass
256QAM Modulation						
	Mid Channel 2592.99 MHz	9 kHz - 150 kHz	0.01	-63.7	-49	Pass
	Mid Channel 2592.99 MHz	150 kHz - 20 MHz	0.15	-58.6	-39	Pass
	Mid Channel 2592.99 MHz	20 MHz - 4 GHz	3749.2	-27.6	-19	Pass
	Mid Channel 2592.99 MHz	2.45 GHz - 2.75 GHz	2708.29	-34.1	-19	Pass
	Mid Channel 2592.99 MHz	4 GHz - 11 GHz	4781.55	-49.8	-19	Pass
	Mid Channel 2592.99 MHz	11 GHz - 18 GHz	13620.1	-42.2	-19	Pass
	Mid Channel 2592.99 MHz	18 GHz - 27 GHz	26226.9	-47.2	-19	Pass

SPURIOUS CONDUCTED EMISSIONS - 5G NR

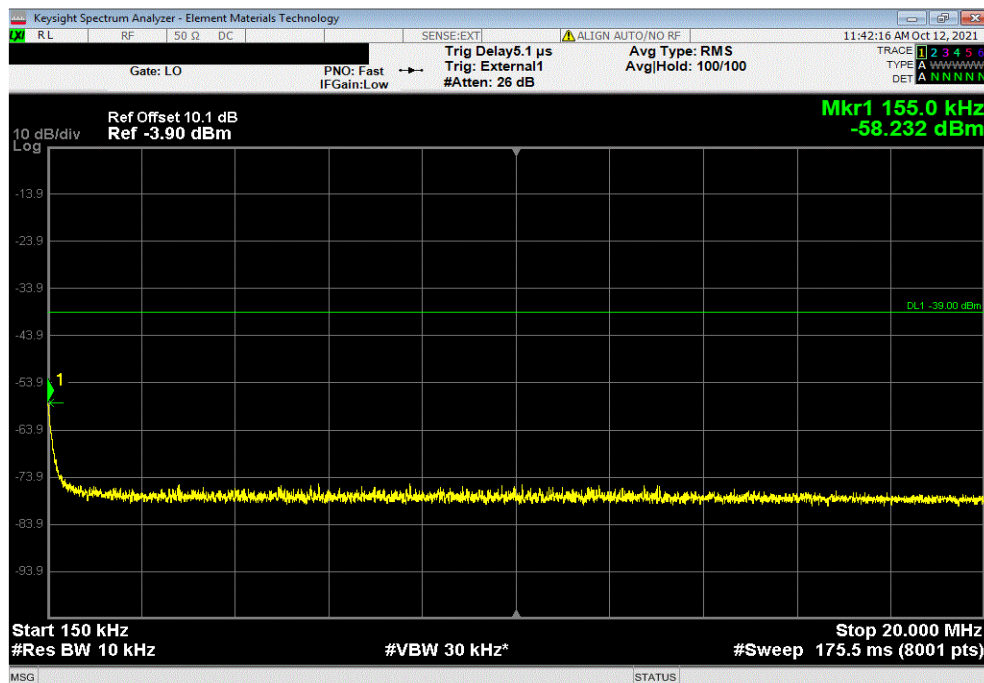


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.4	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-58.23	-39	Pass	

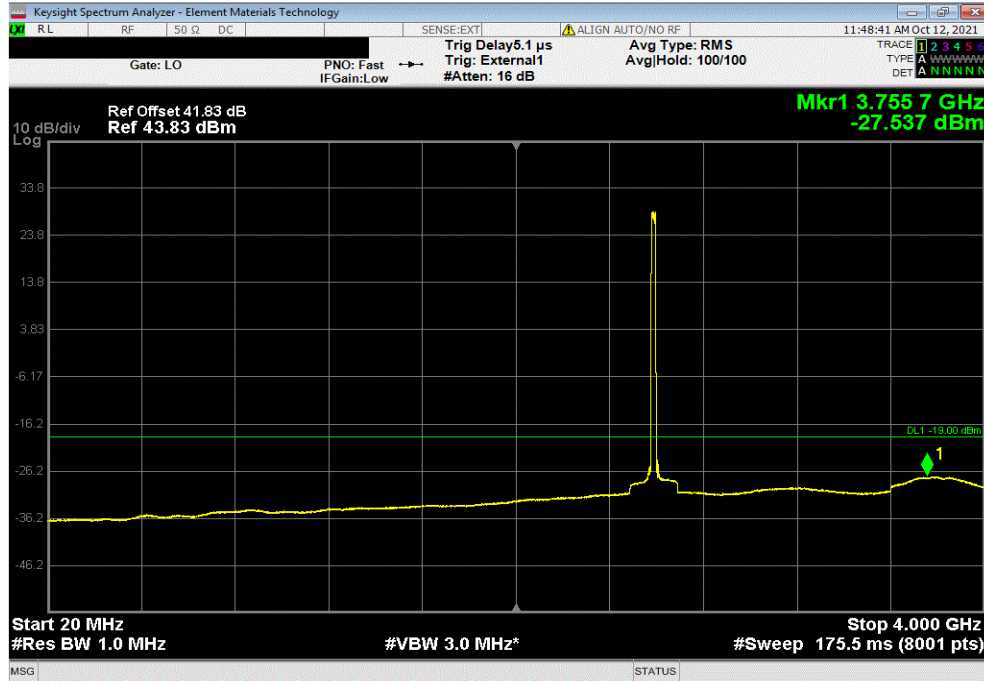


SPURIOUS CONDUCTED EMISSIONS - 5G NR

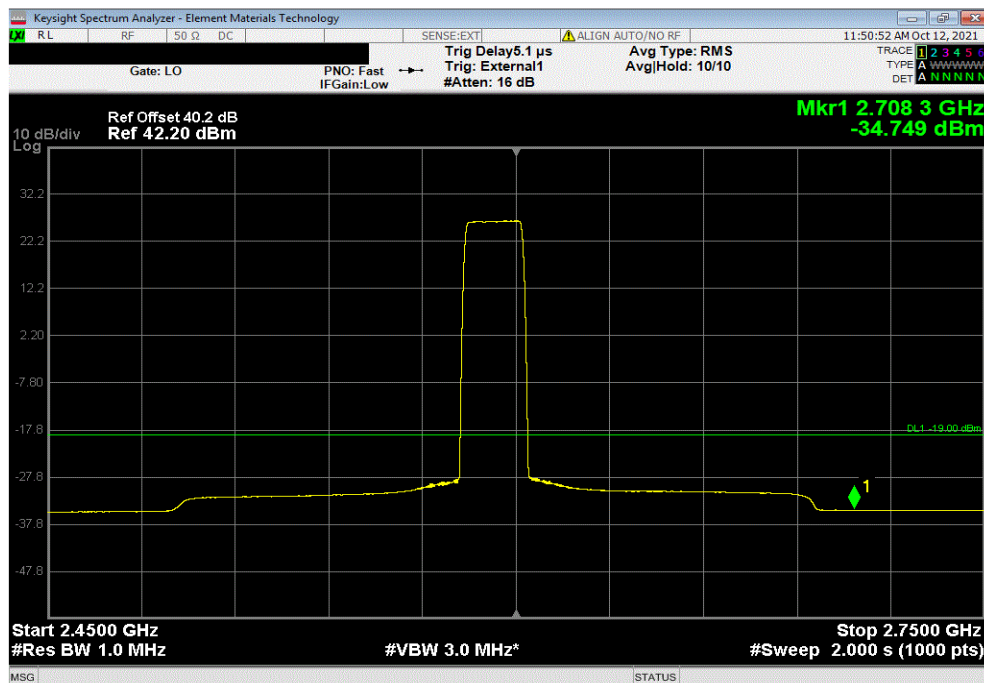


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3755.67	-27.54	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2708.29	-34.75	-19	Pass	

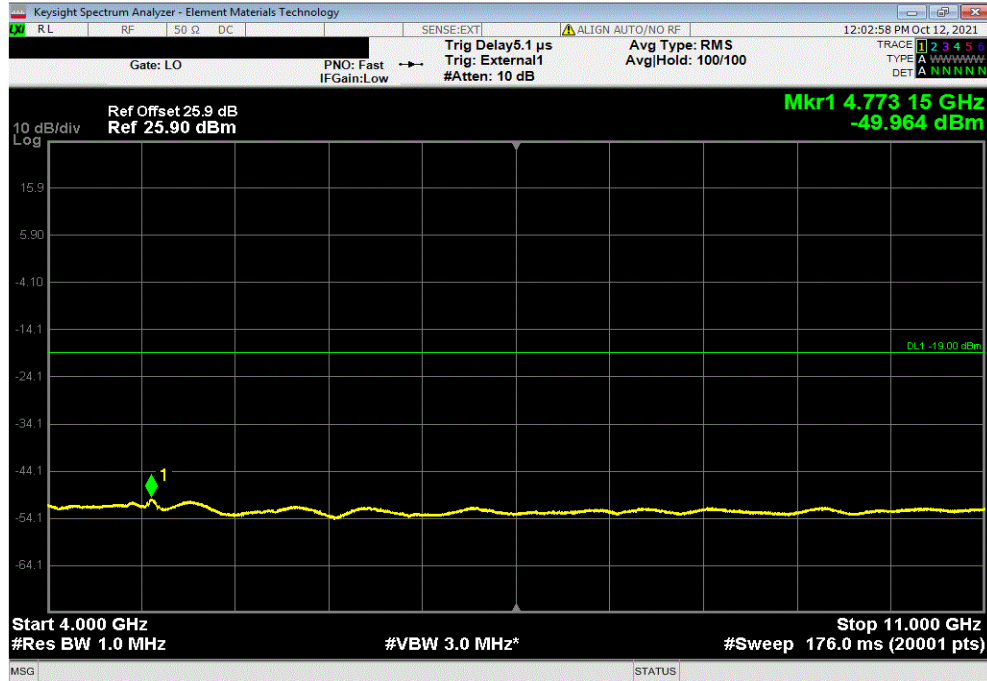


SPURIOUS CONDUCTED EMISSIONS - 5G NR

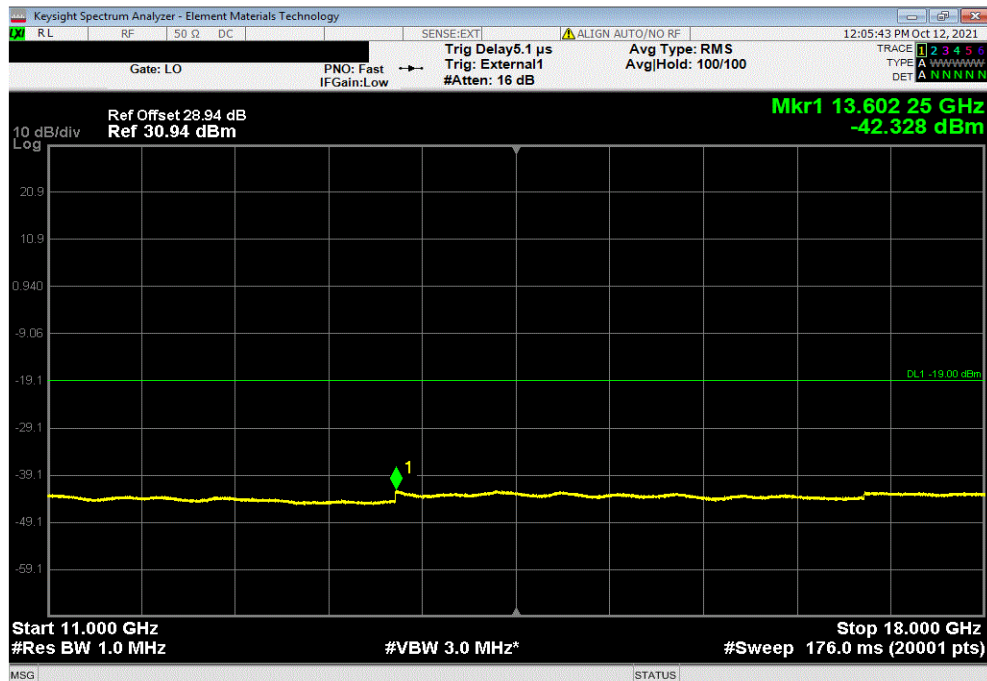


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4773.15	-49.96	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13602.25	-42.33	-19	Pass	

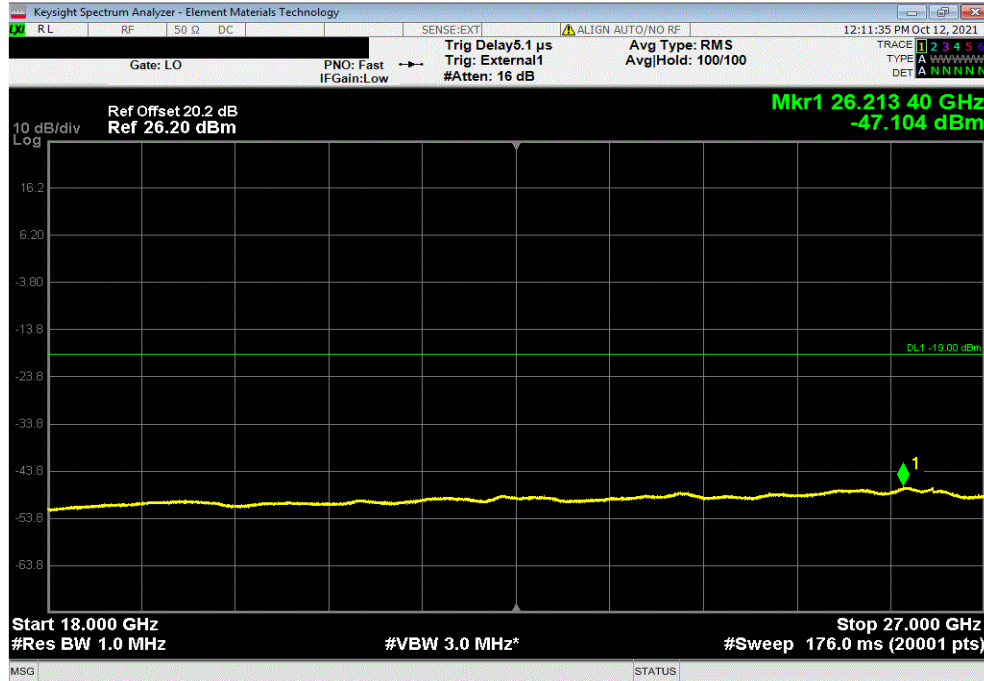


SPURIOUS CONDUCTED EMISSIONS - 5G NR

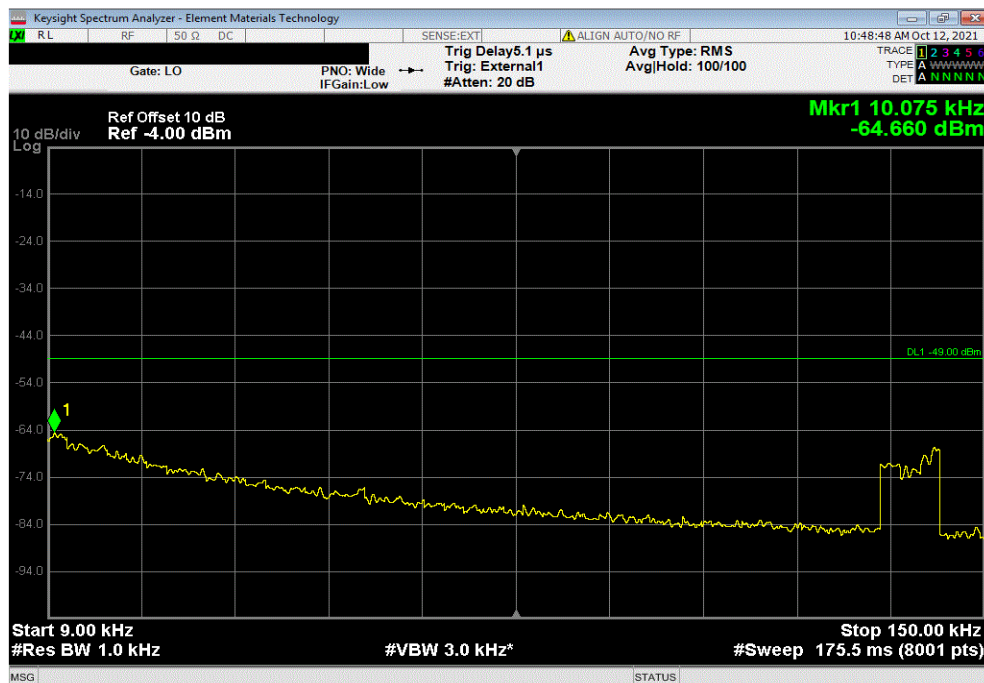


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR20) 20 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26213.4	-47.1	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.66	-49	Pass	

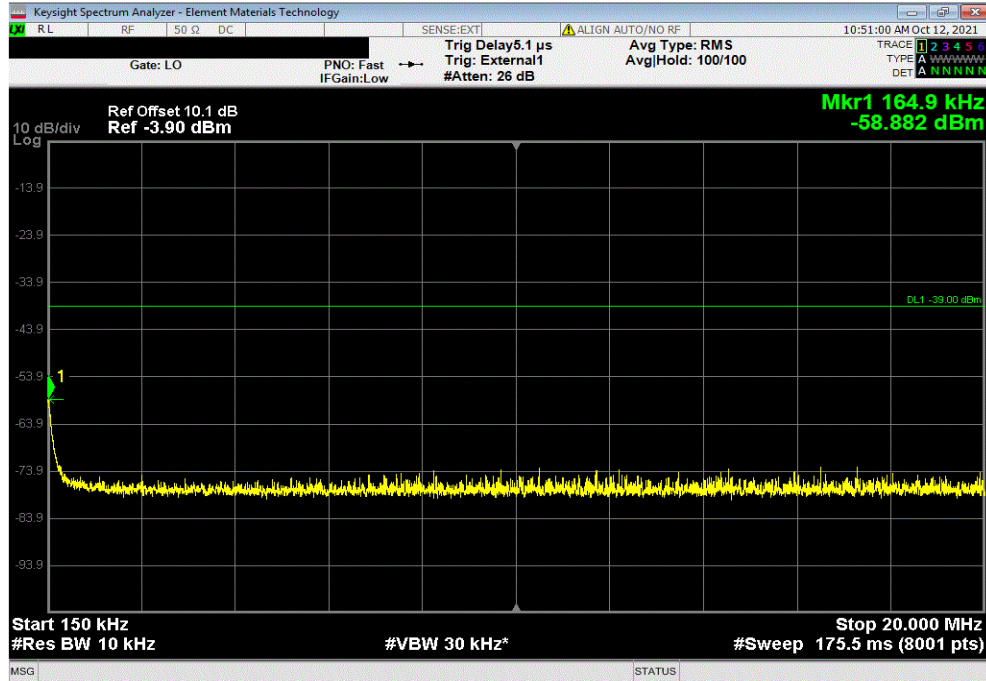


SPURIOUS CONDUCTED EMISSIONS - 5G NR

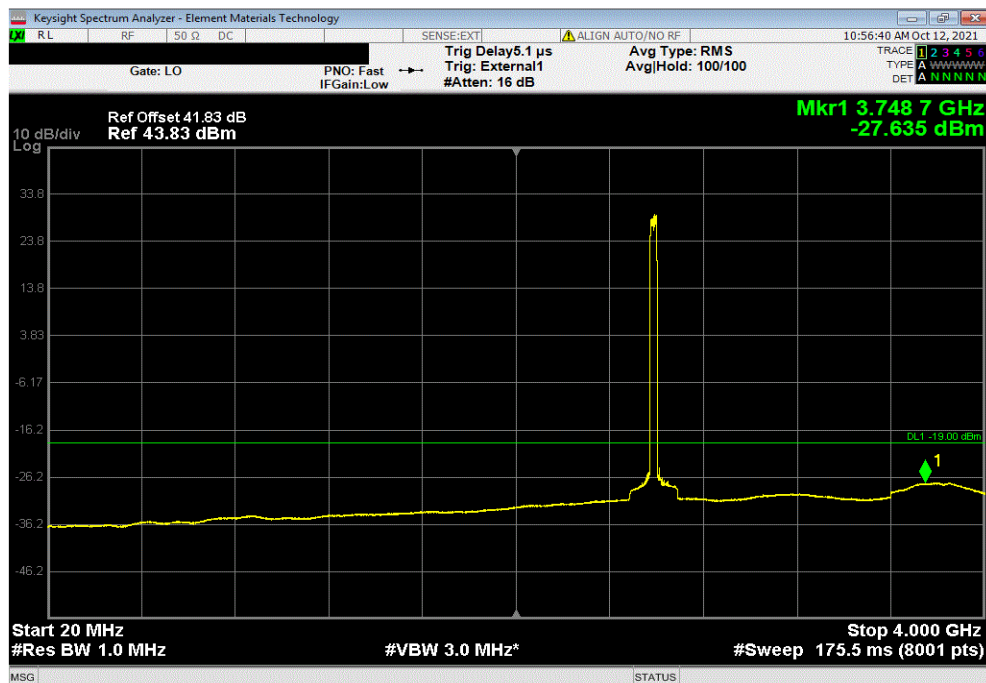


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-58.88	-39	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3748.7	-27.64	-19	Pass	

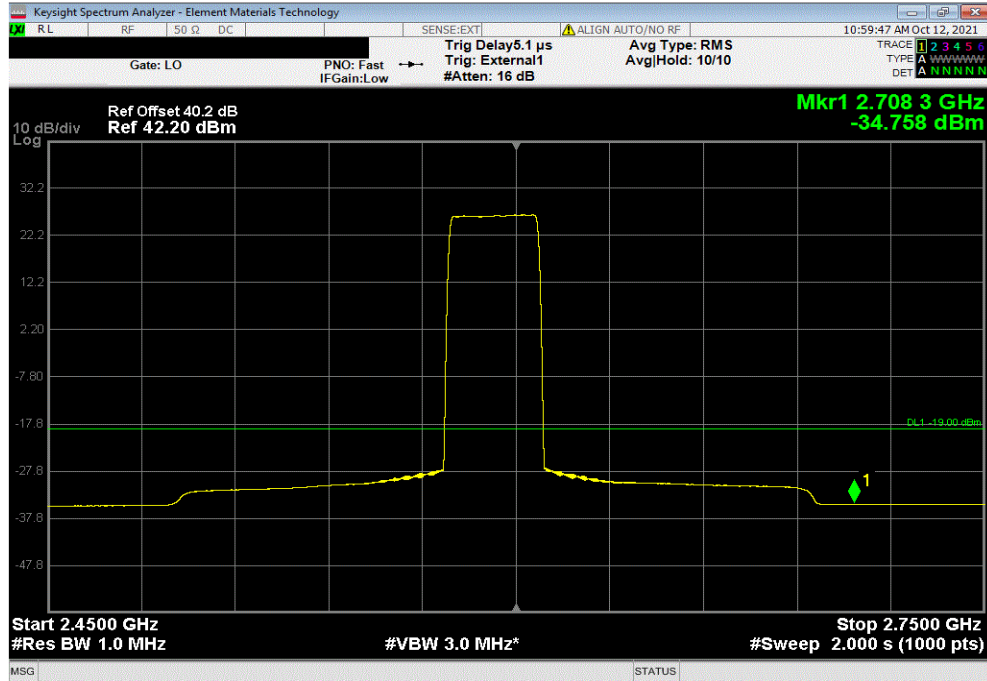


SPURIOUS CONDUCTED EMISSIONS - 5G NR

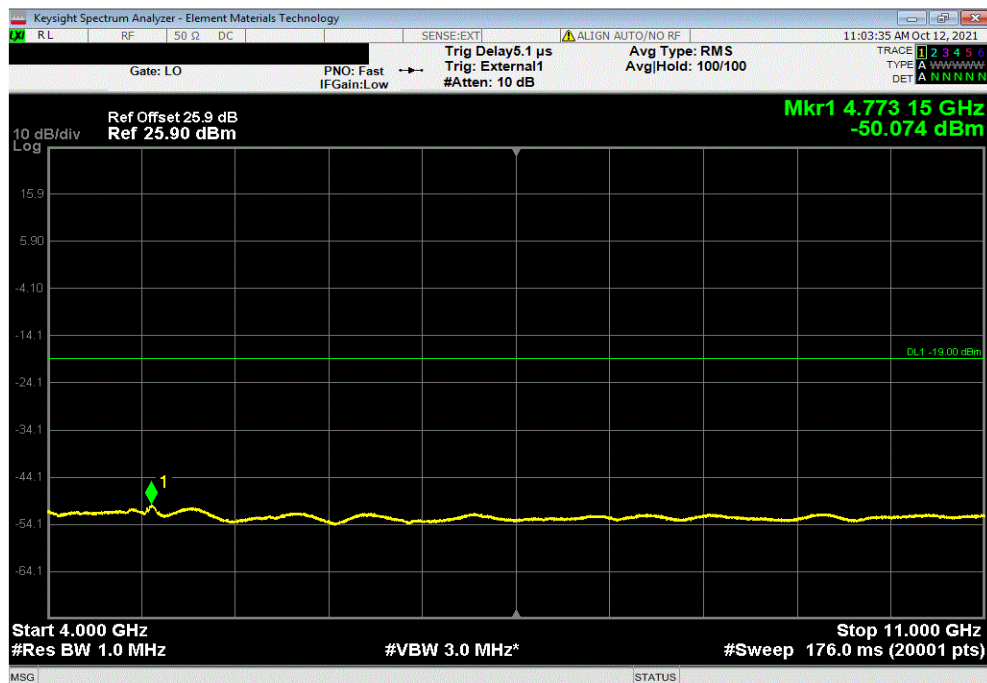


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2708.29	-34.76	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4773.15	-50.07	-19	Pass	

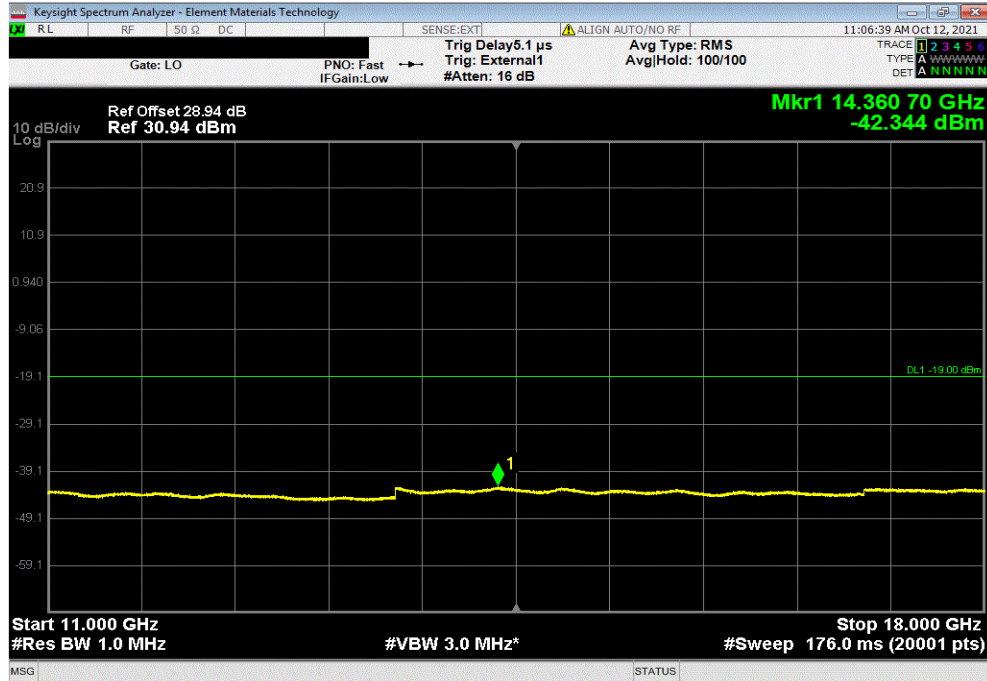


SPURIOUS CONDUCTED EMISSIONS - 5G NR

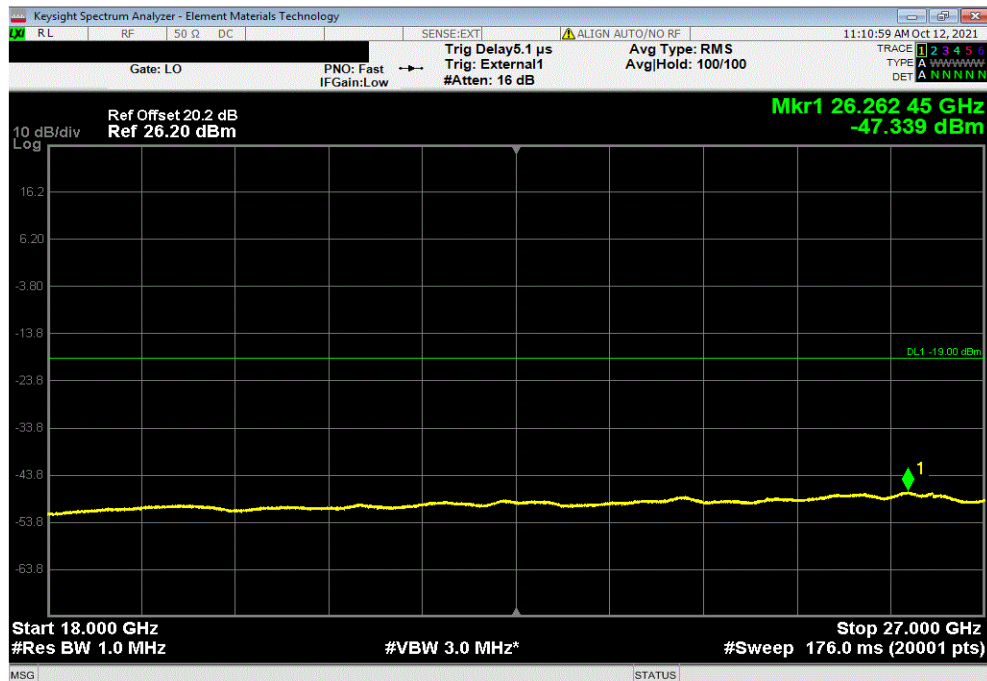


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	14360.7	-42.34	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR30) 30 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26262.45	-47.34	-19	Pass	

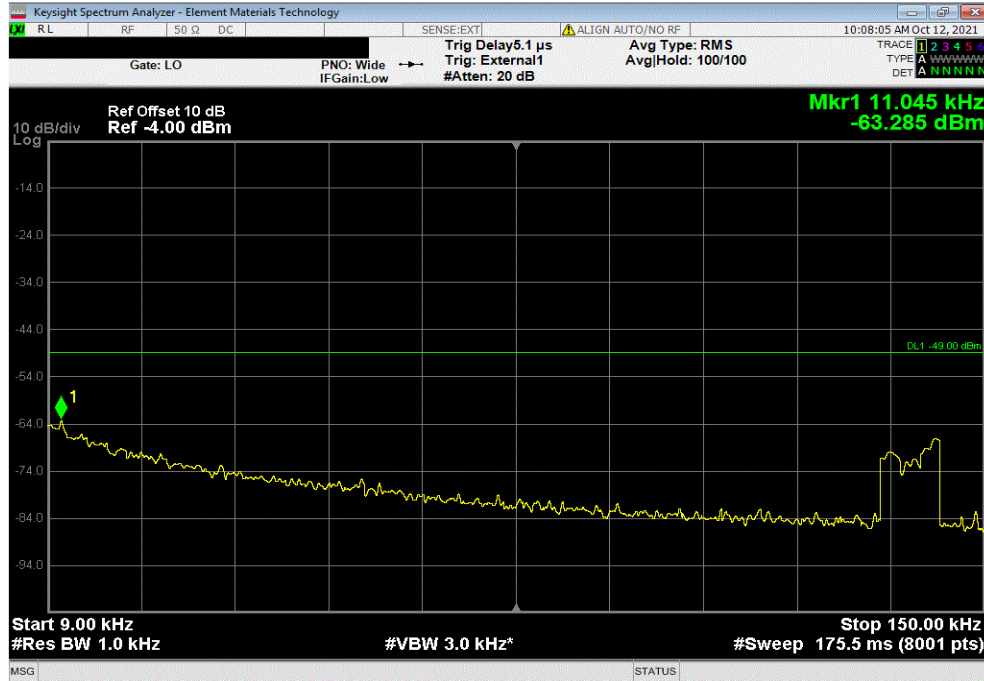


SPURIOUS CONDUCTED EMISSIONS - 5G NR

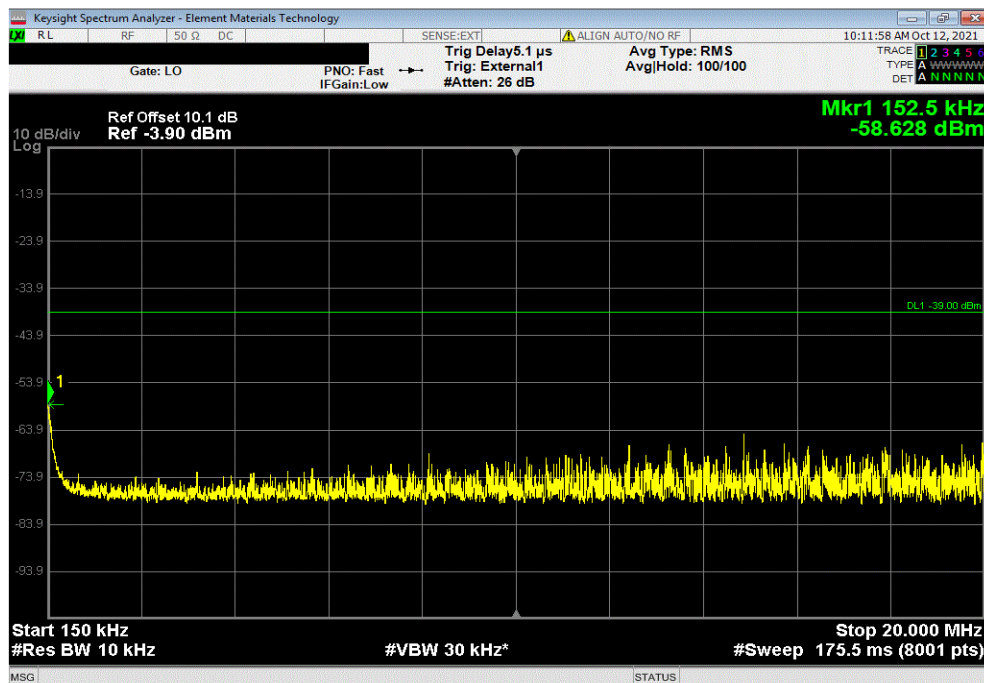


TbTtx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-63.29	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-58.63	-39	Pass	

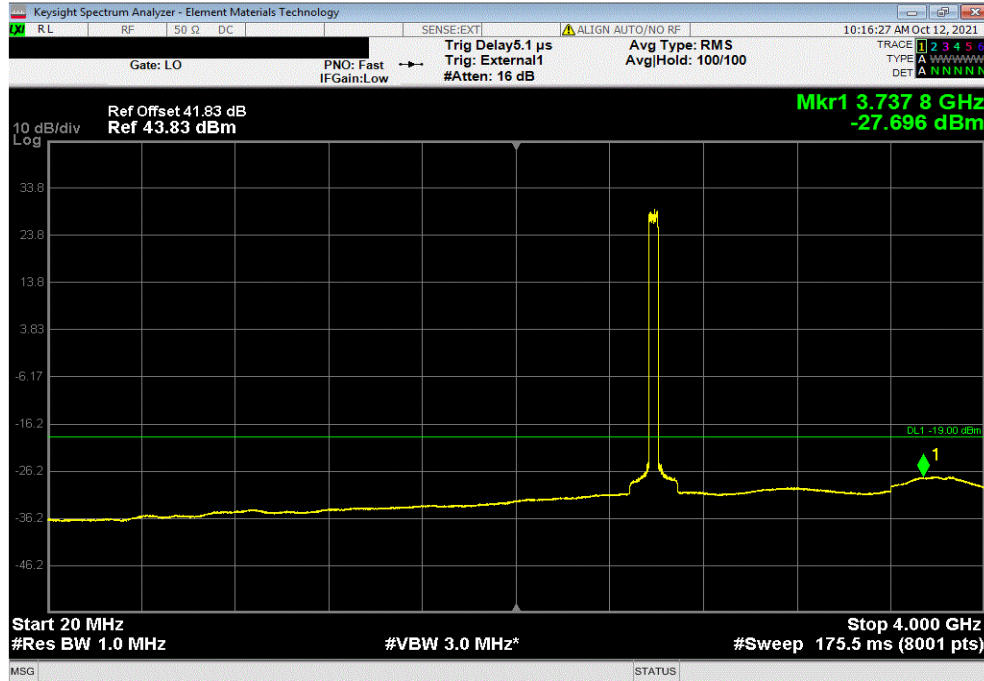


SPURIOUS CONDUCTED EMISSIONS - 5G NR

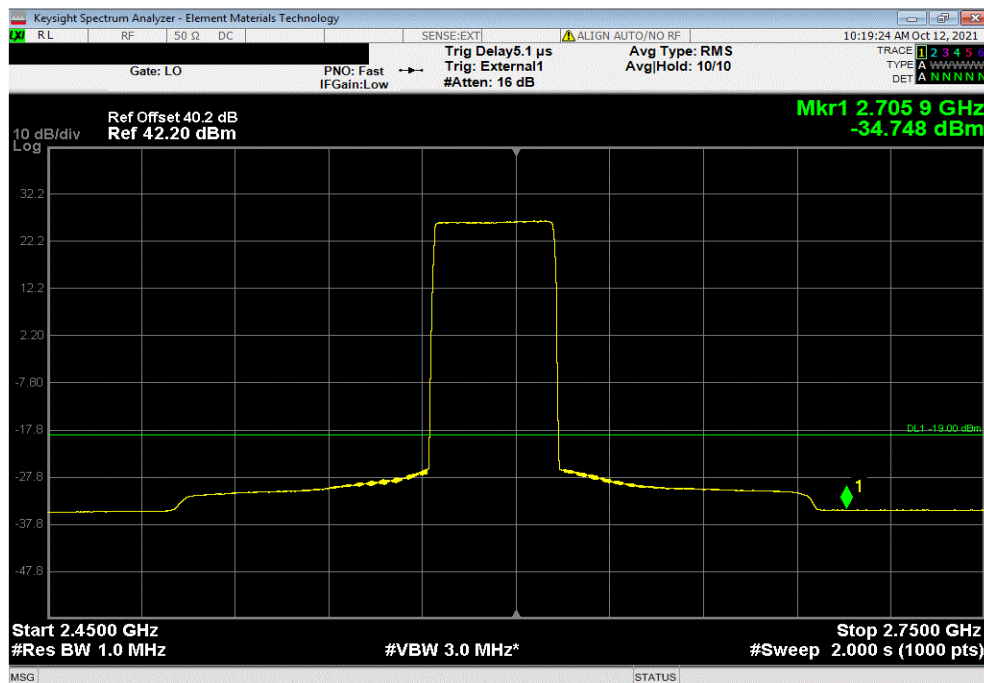


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3737.76	-27.7	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2705.88	-34.75	-19	Pass	

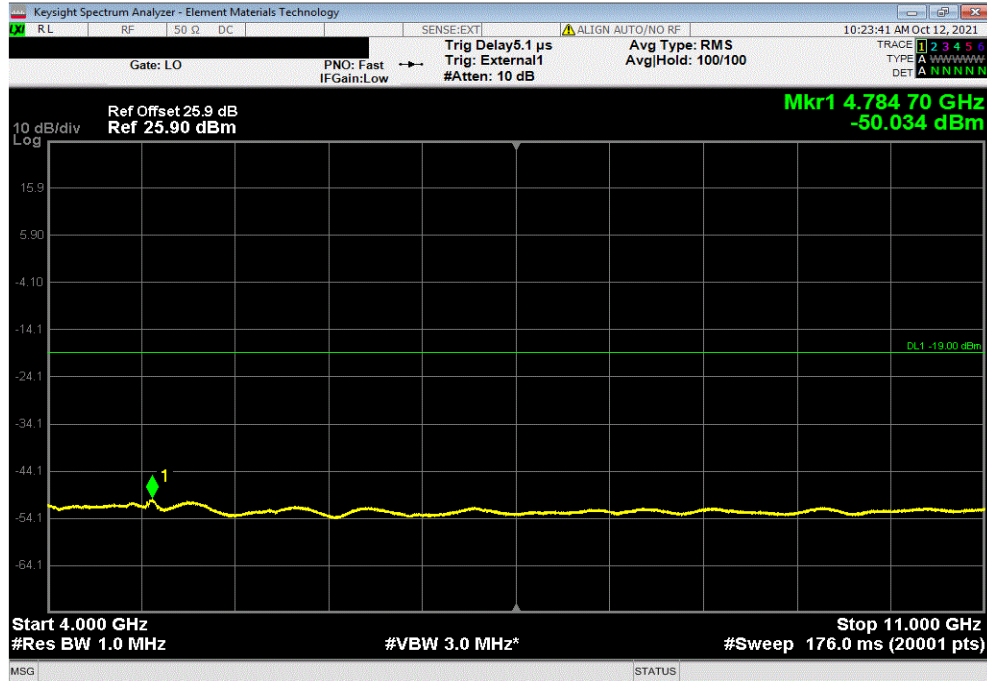


SPURIOUS CONDUCTED EMISSIONS - 5G NR

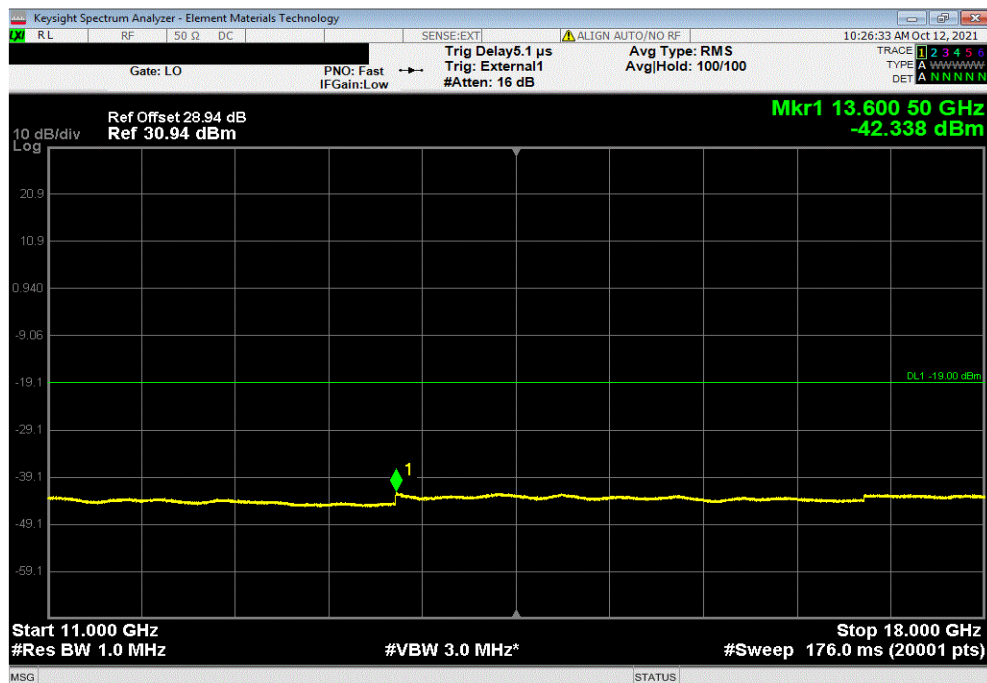


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4784.7	-50.03	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13600.5	-42.34	-19	Pass	

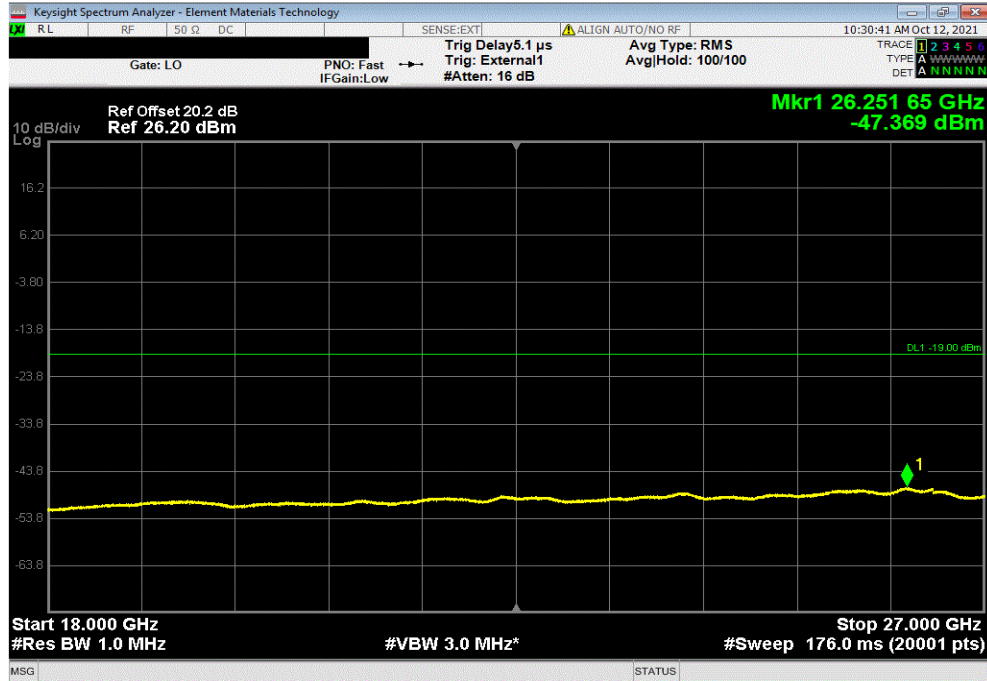


SPURIOUS CONDUCTED EMISSIONS - 5G NR

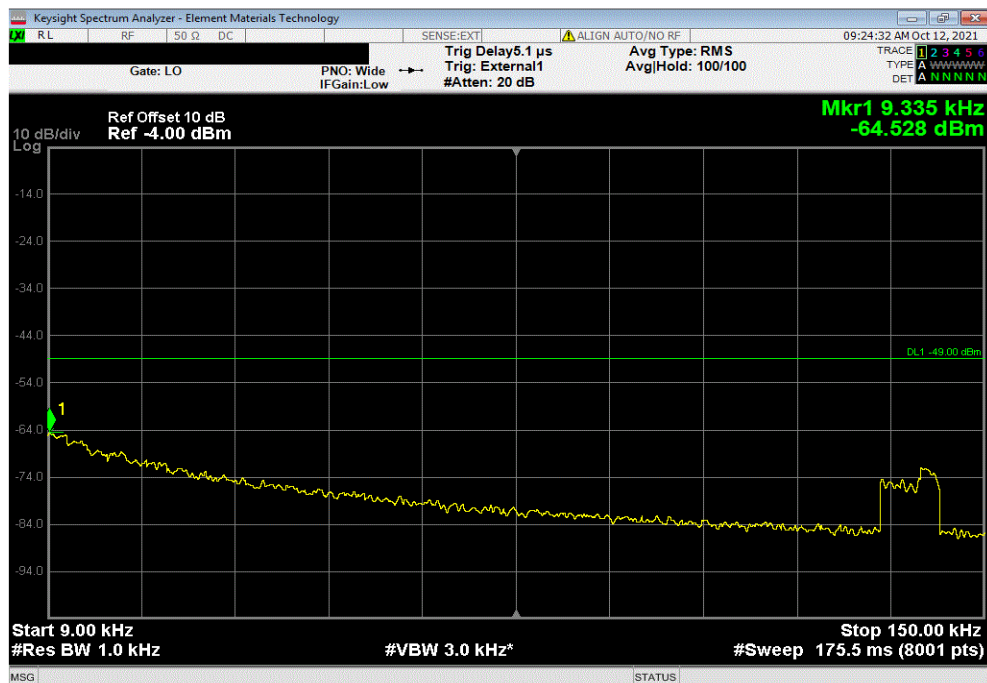


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR40) 40 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26251.65	-47.37	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.53	-49	Pass	

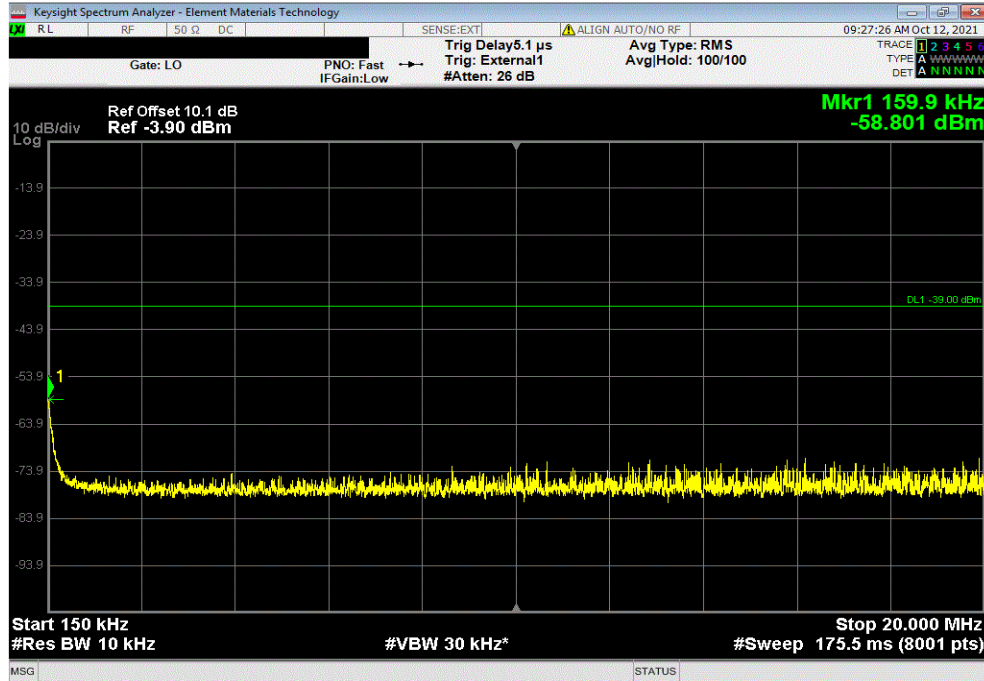


SPURIOUS CONDUCTED EMISSIONS - 5G NR

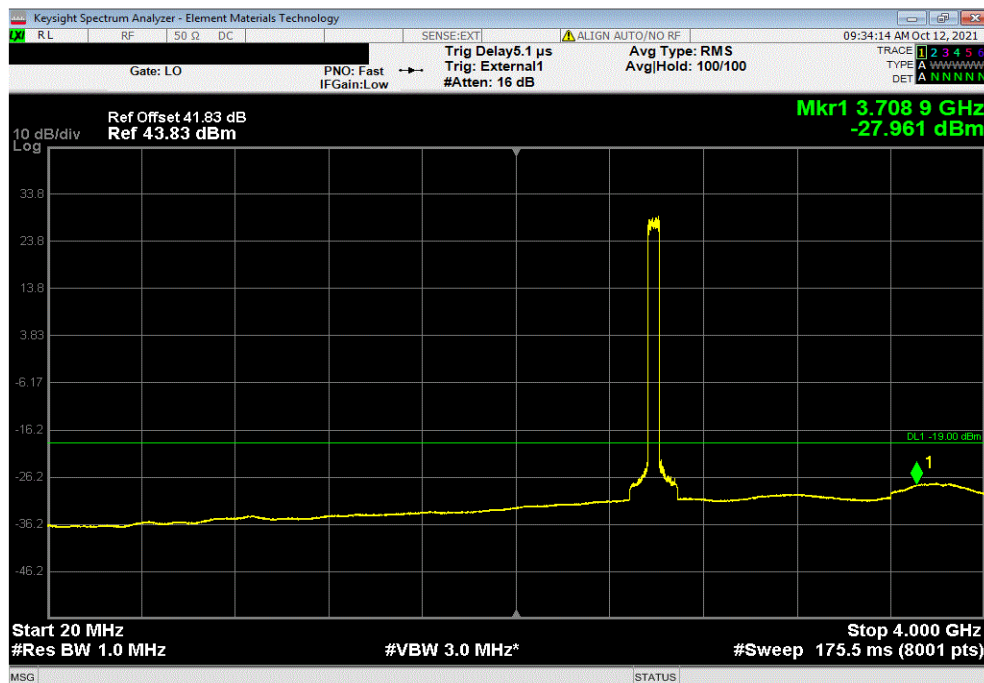


TbTtx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-58.8	-39	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3708.9	-27.96	-19	Pass	

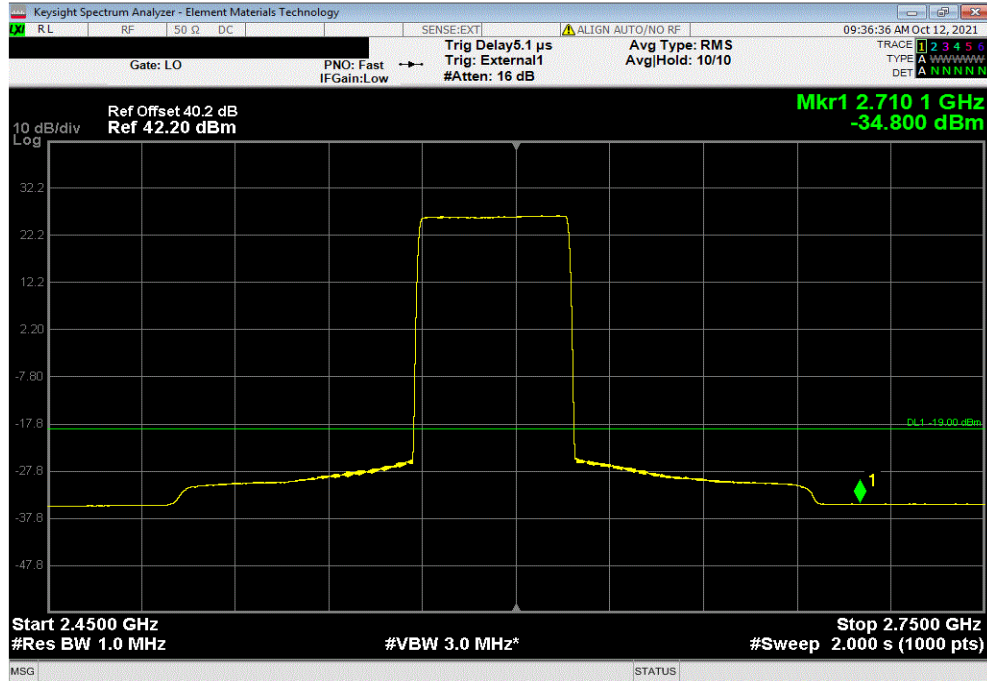


SPURIOUS CONDUCTED EMISSIONS - 5G NR

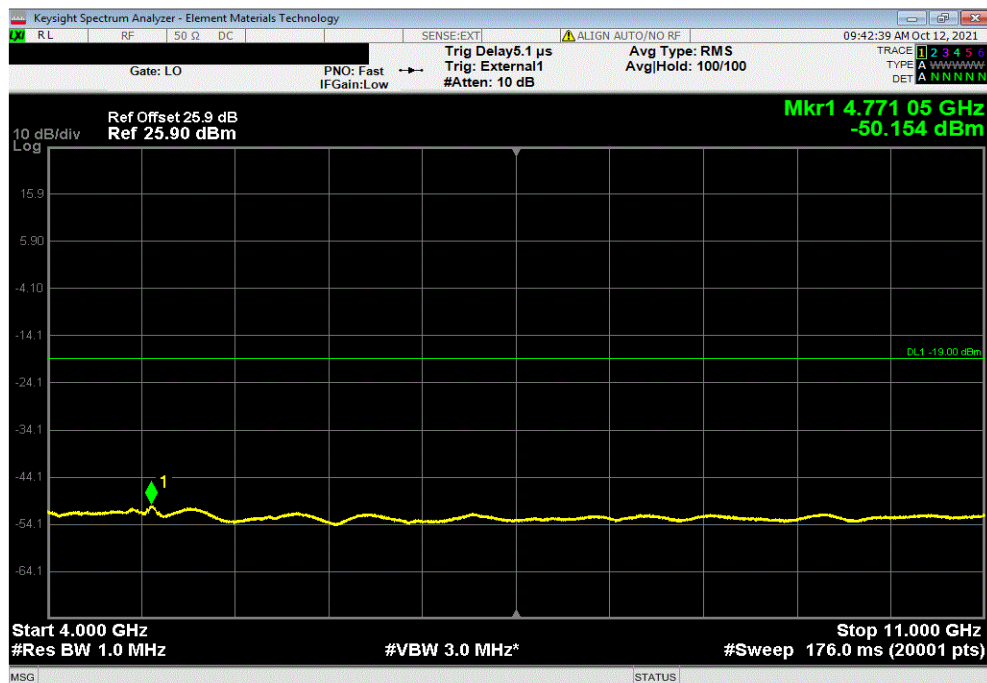


TbTx 2021.03.19.1 XMR 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2710.09	-34.8	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4771.05	-50.15	-19	Pass	

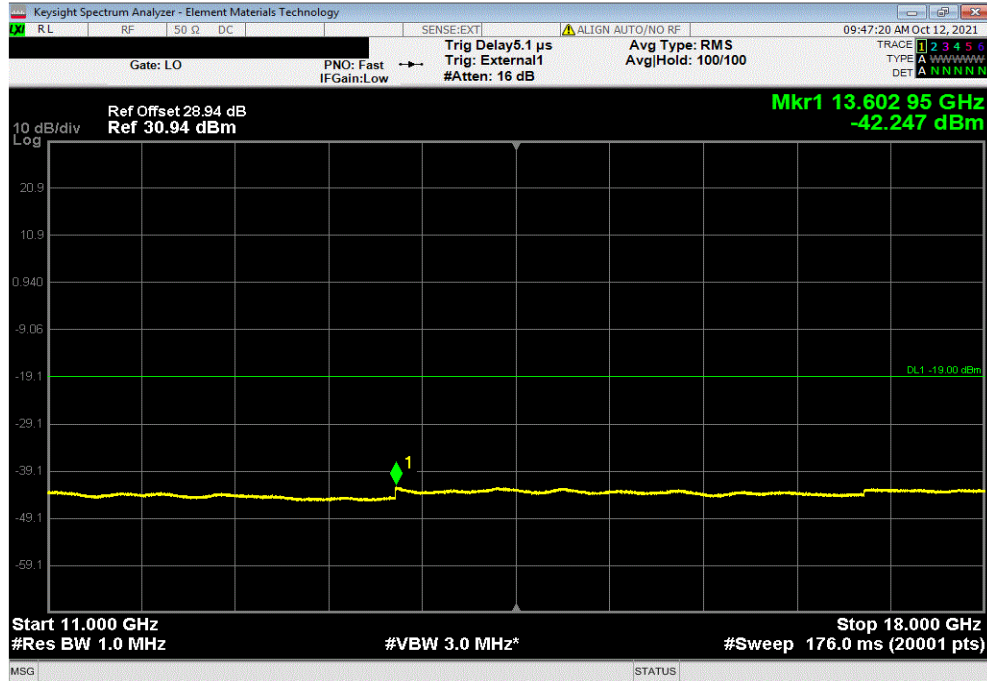


SPURIOUS CONDUCTED EMISSIONS - 5G NR

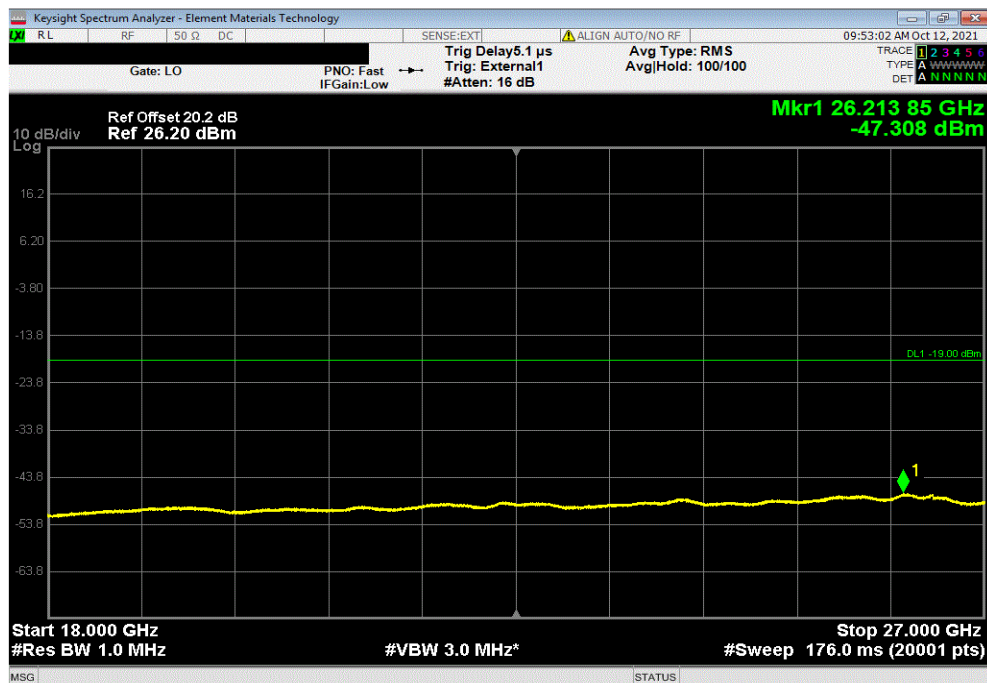


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13602.95	-42.25	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR50) 50 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26213.85	-47.31	-19	Pass	

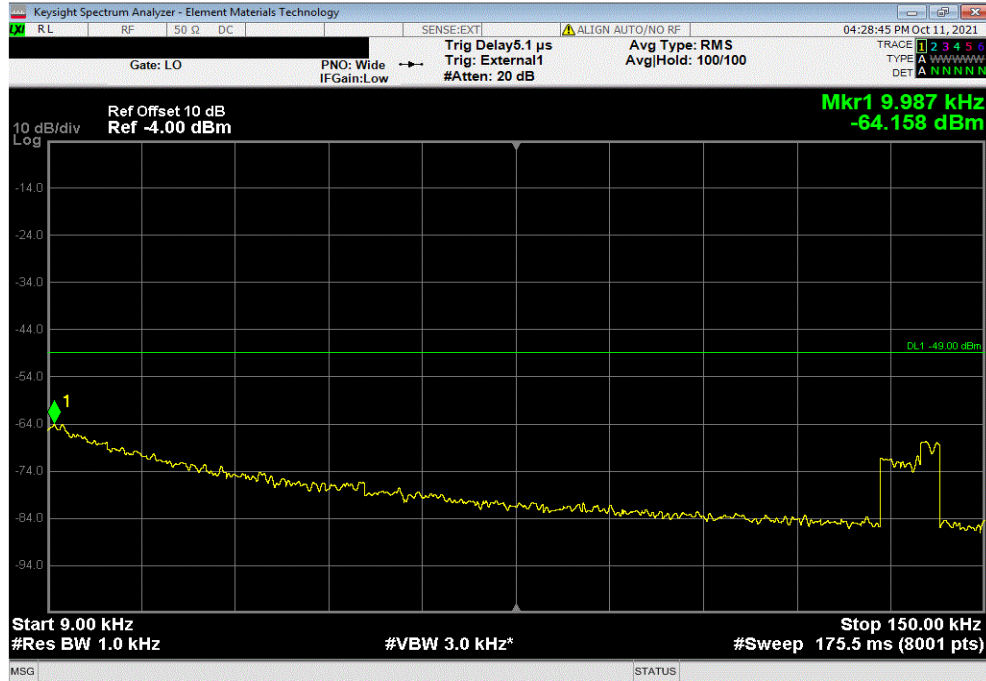


SPURIOUS CONDUCTED EMISSIONS - 5G NR

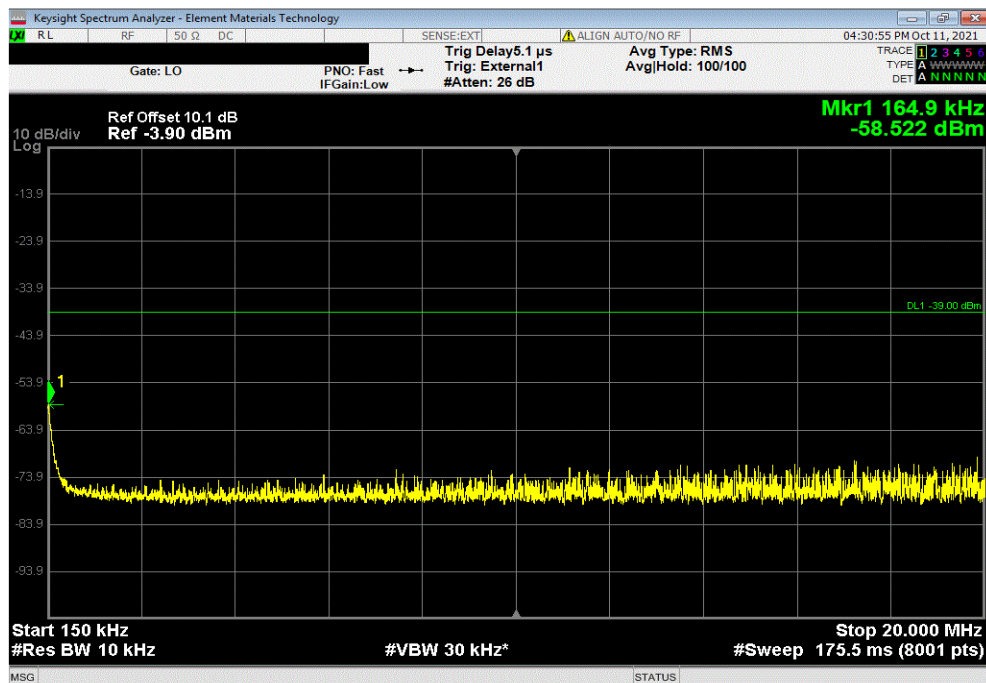


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.16	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-58.52	-39	Pass	

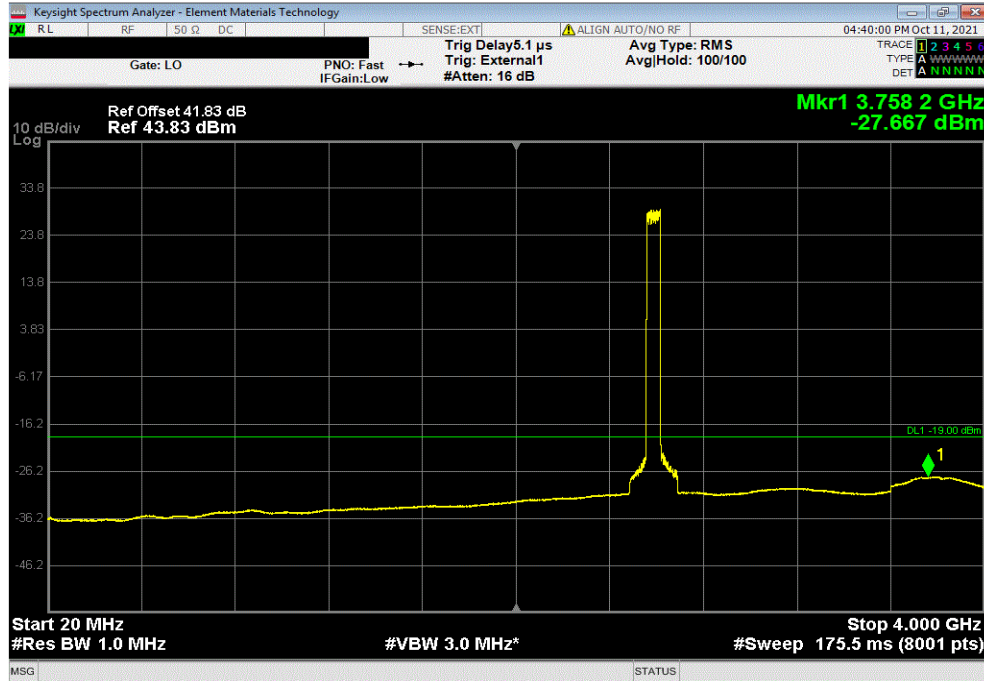


SPURIOUS CONDUCTED EMISSIONS - 5G NR

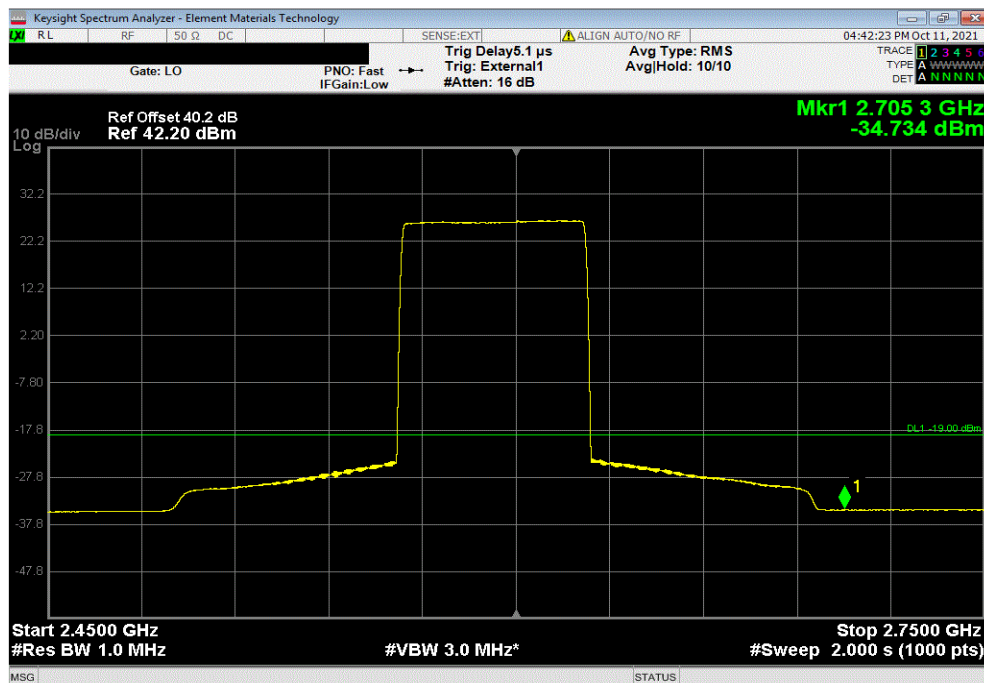


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3758.16	-27.67	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2705.26	-34.73	-19	Pass	

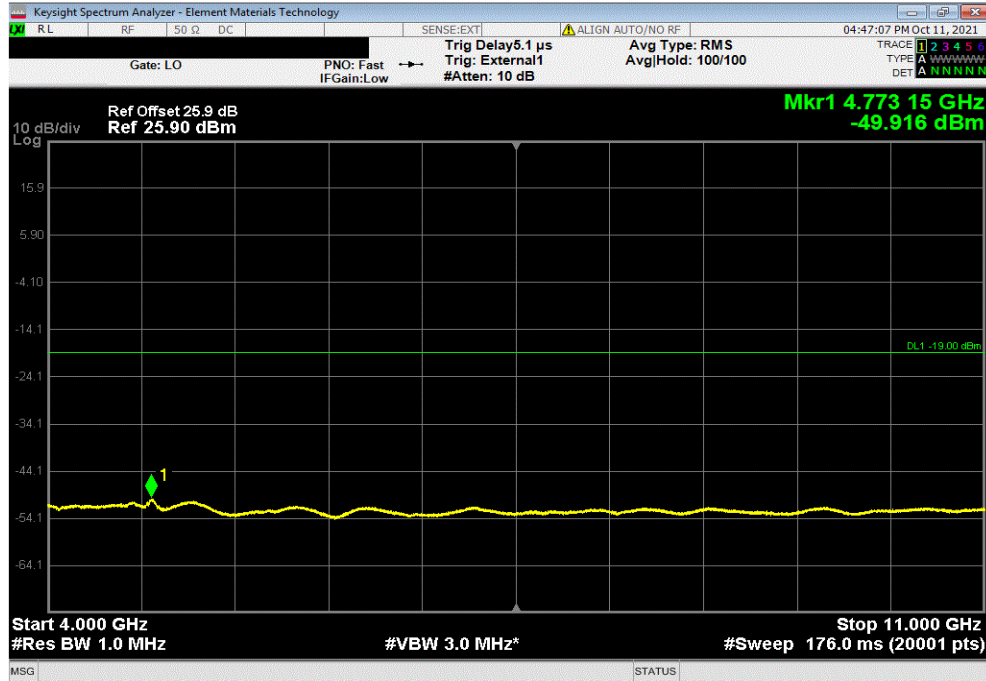


SPURIOUS CONDUCTED EMISSIONS - 5G NR

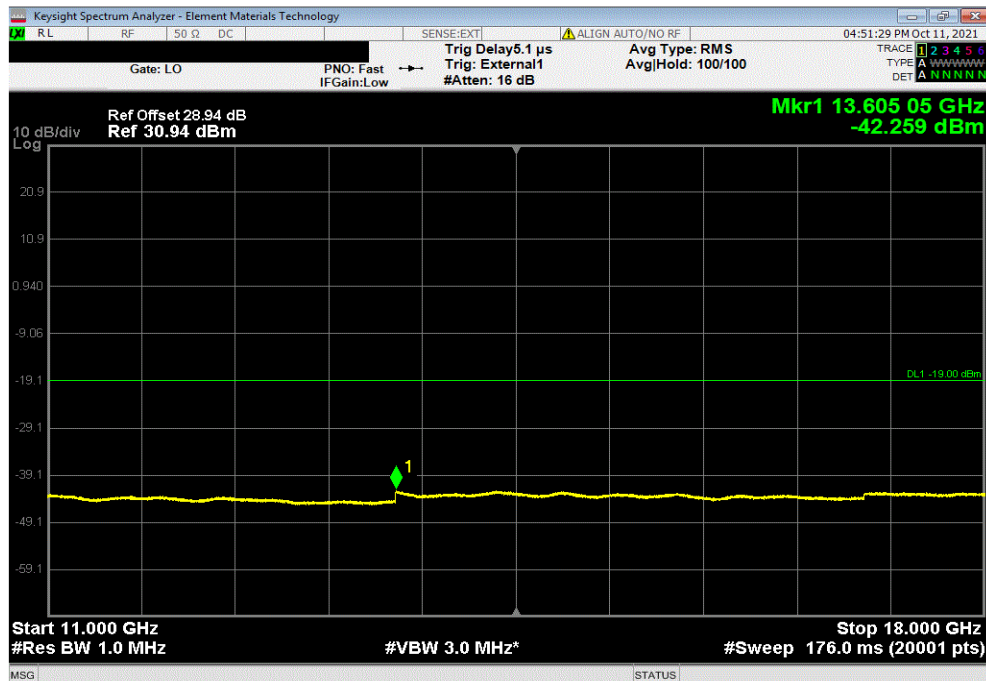


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4773.15	-49.92	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13605.05	-42.26	-19	Pass	

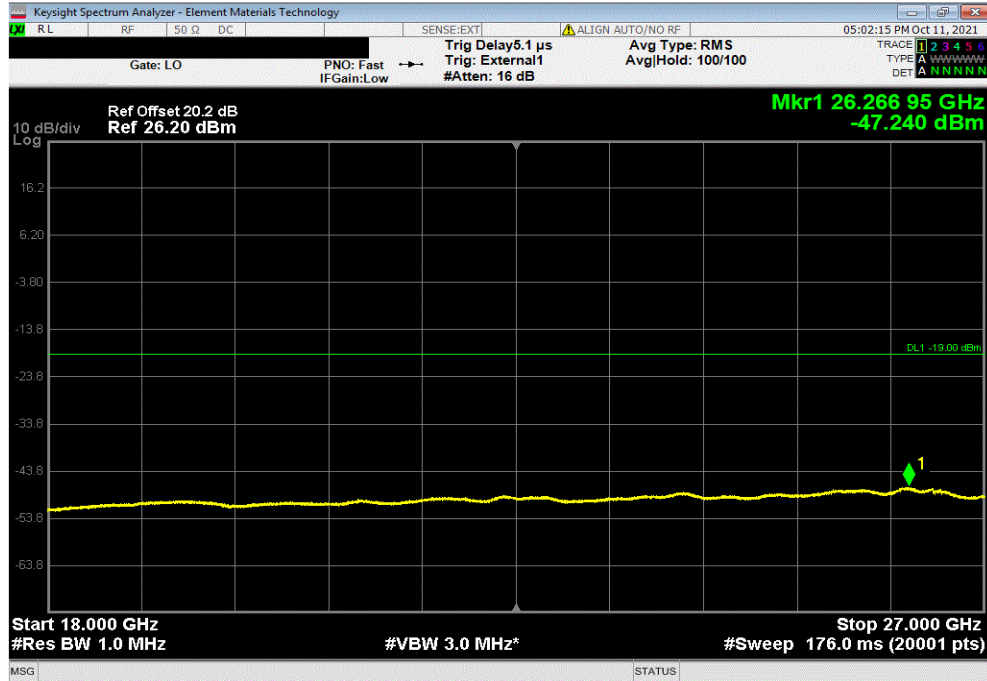


SPURIOUS CONDUCTED EMISSIONS - 5G NR

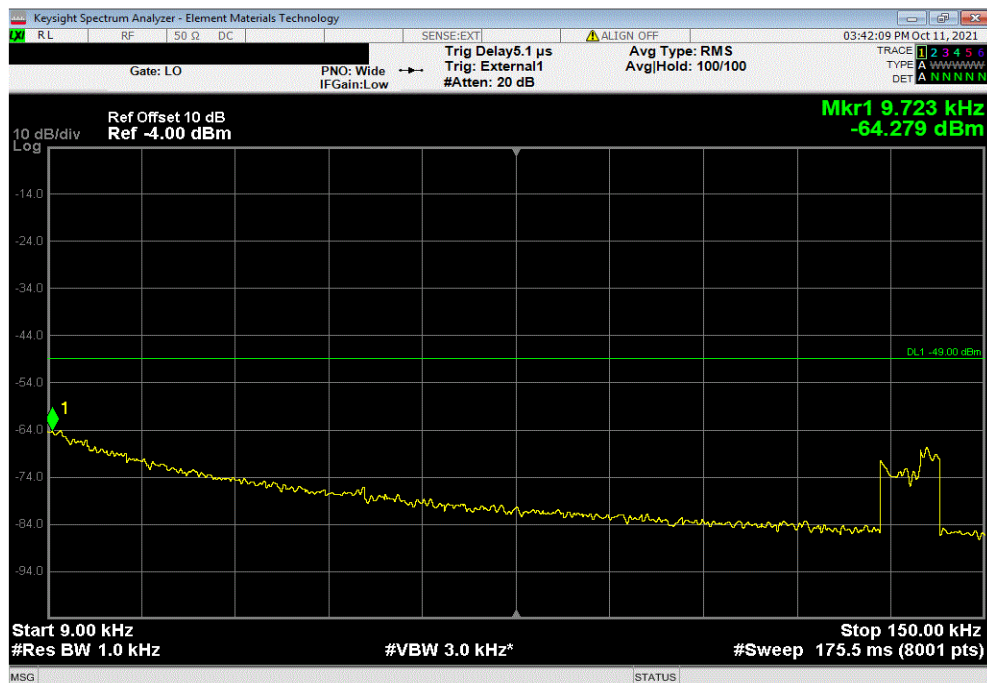


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR60) 60 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26266.95	-47.24	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.28	-49	Pass	

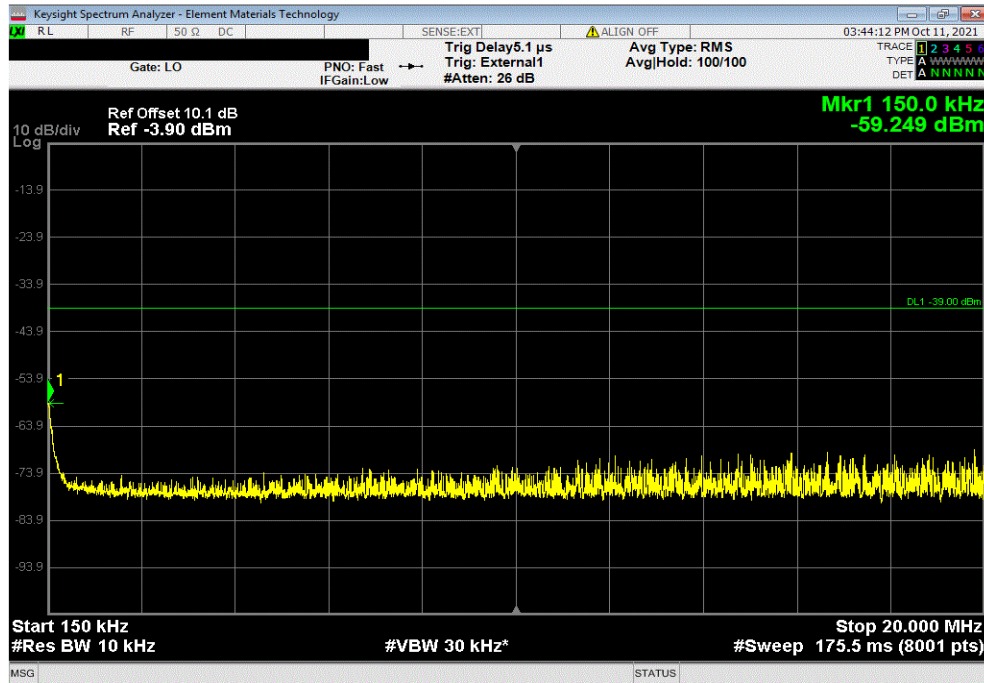


SPURIOUS CONDUCTED EMISSIONS - 5G NR

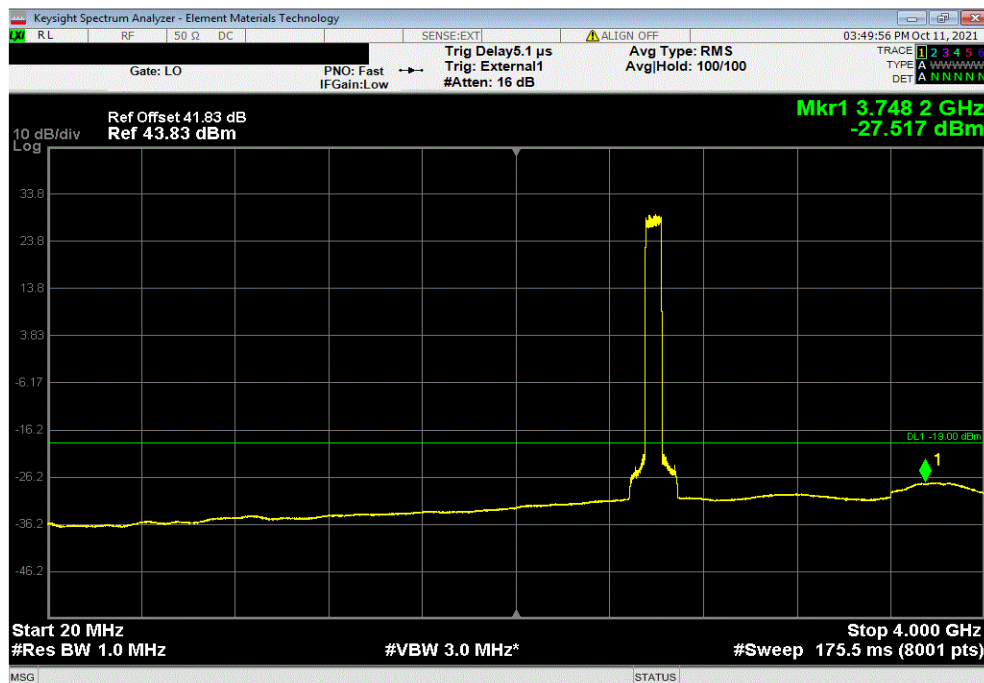


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-59.25	-39	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3748.21	-27.52	-19	Pass	

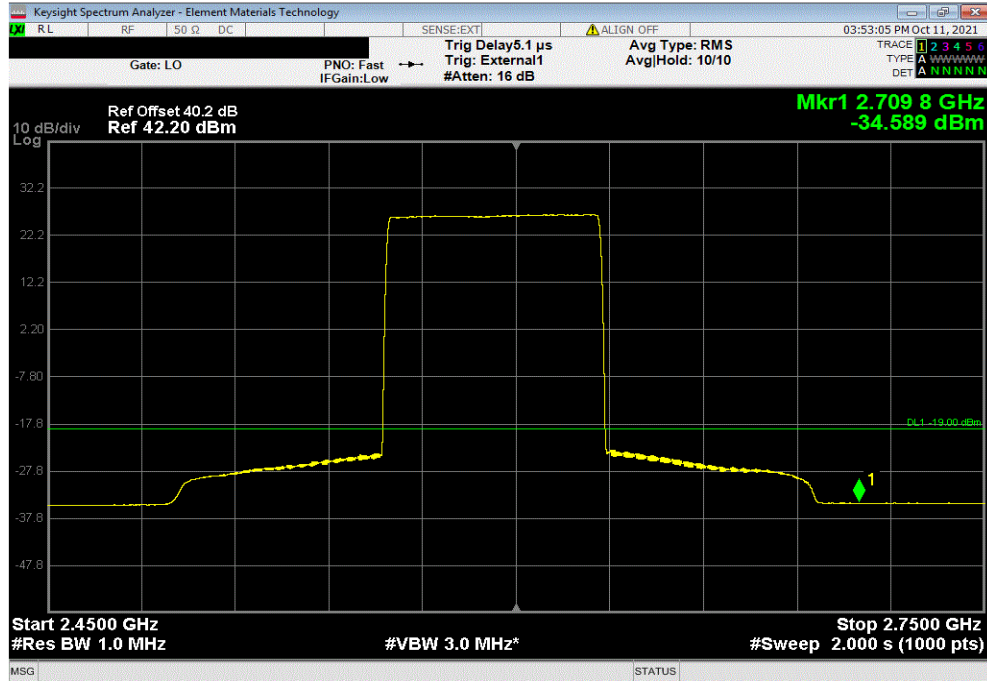


SPURIOUS CONDUCTED EMISSIONS - 5G NR

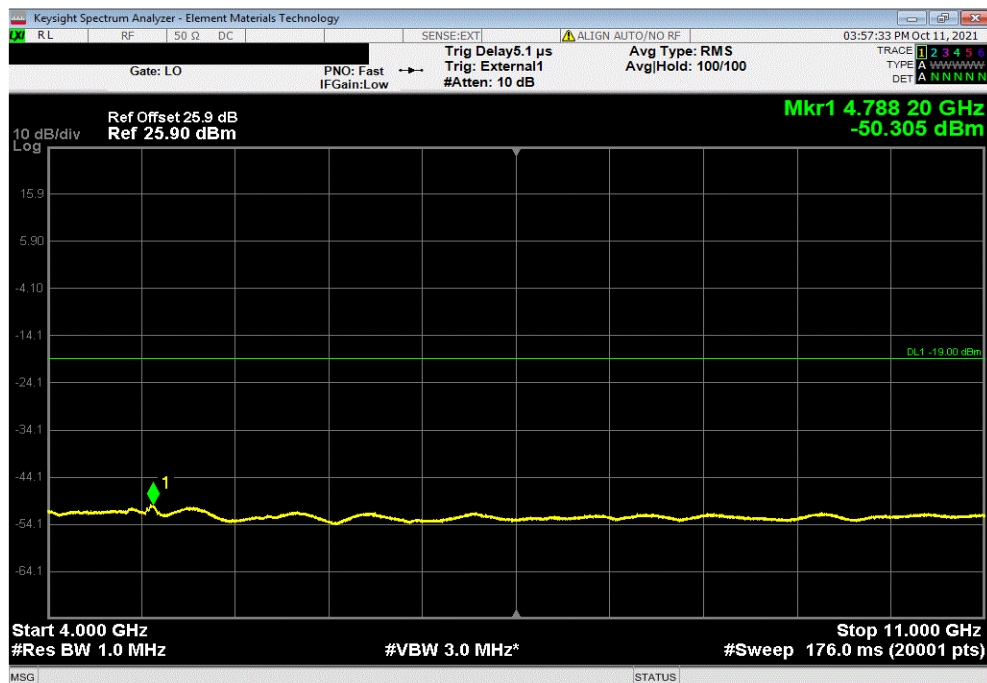


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2709.79	-34.59	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4788.2	-50.31	-19	Pass	

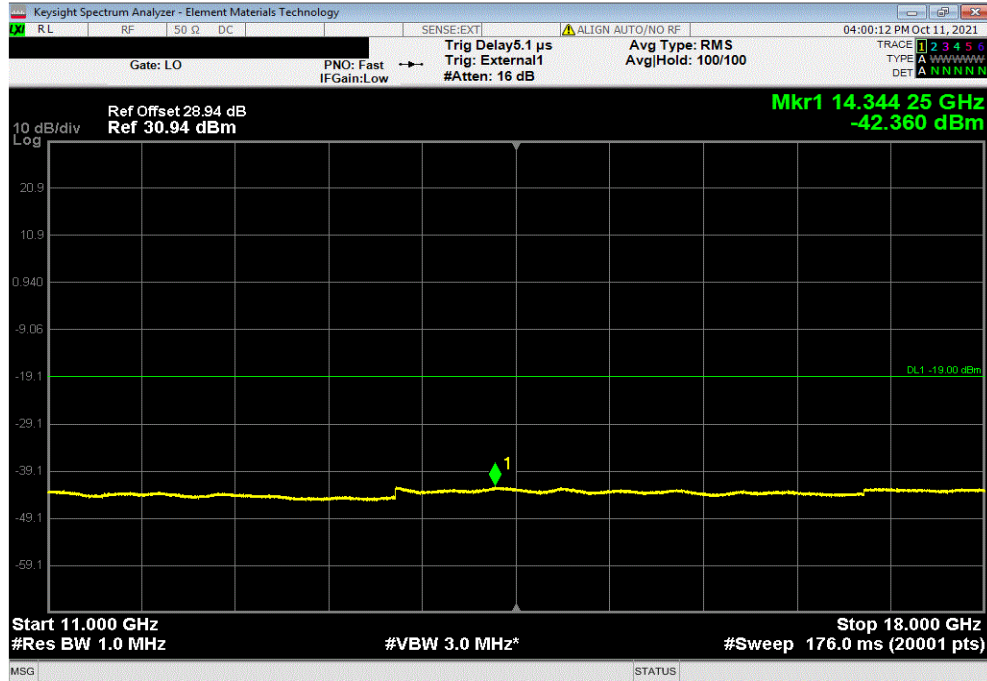


SPURIOUS CONDUCTED EMISSIONS - 5G NR

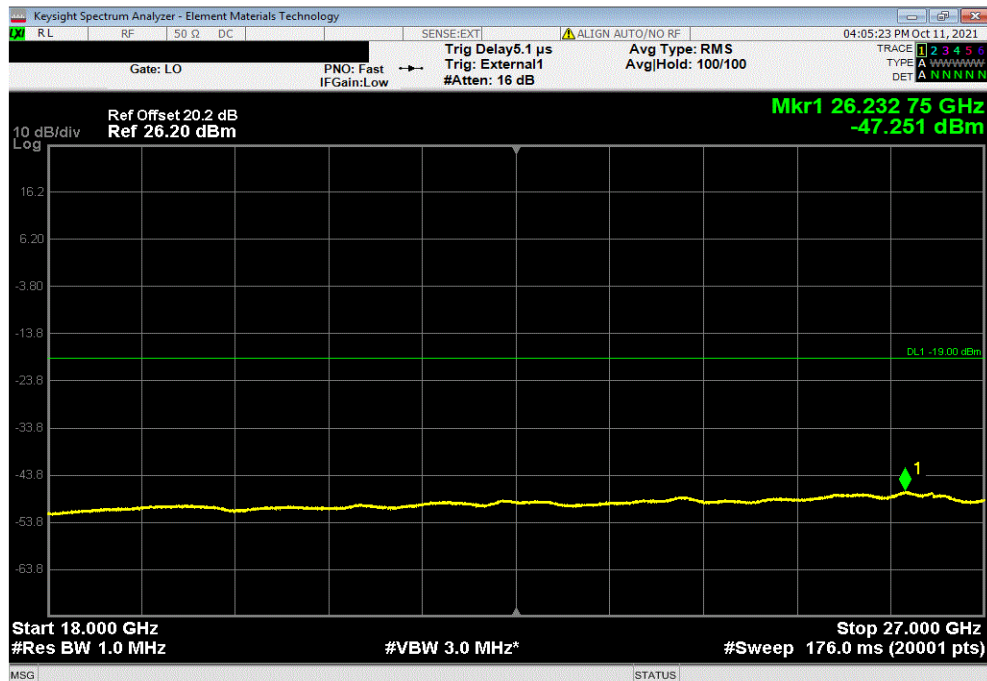


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	14344.25	-42.36	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR70) 70 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26232.75	-47.25	-19	Pass	

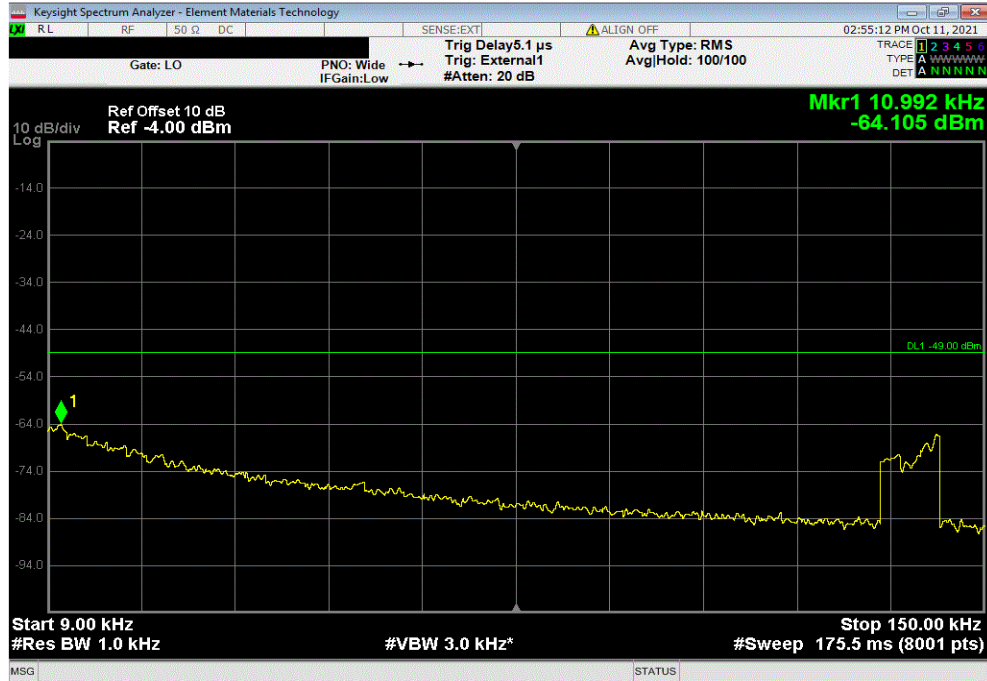


SPURIOUS CONDUCTED EMISSIONS - 5G NR

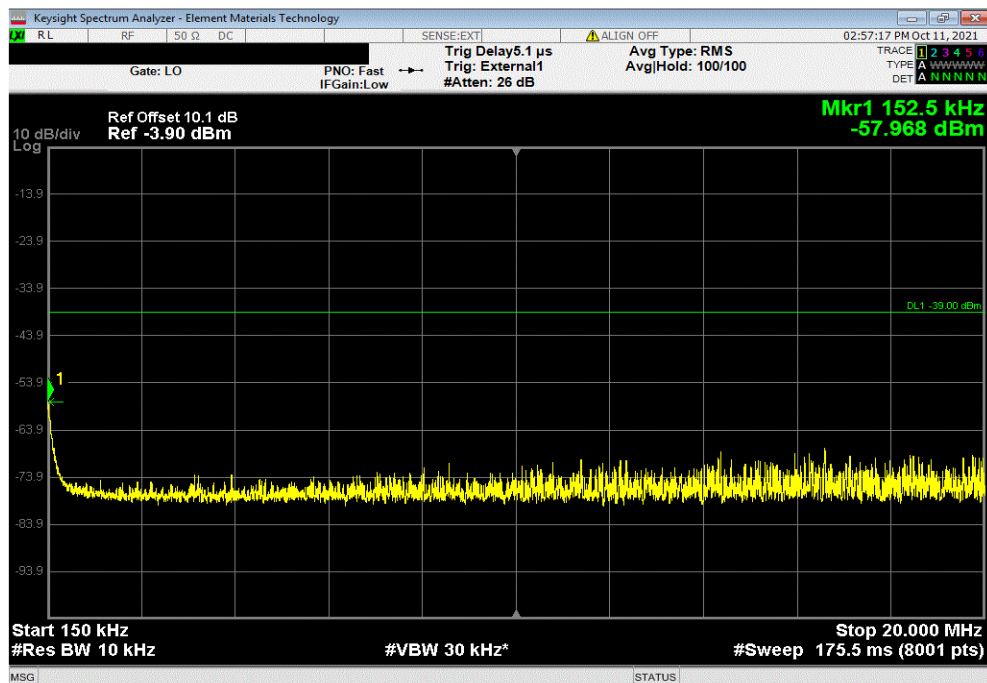


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.11	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-57.97	-39	Pass	

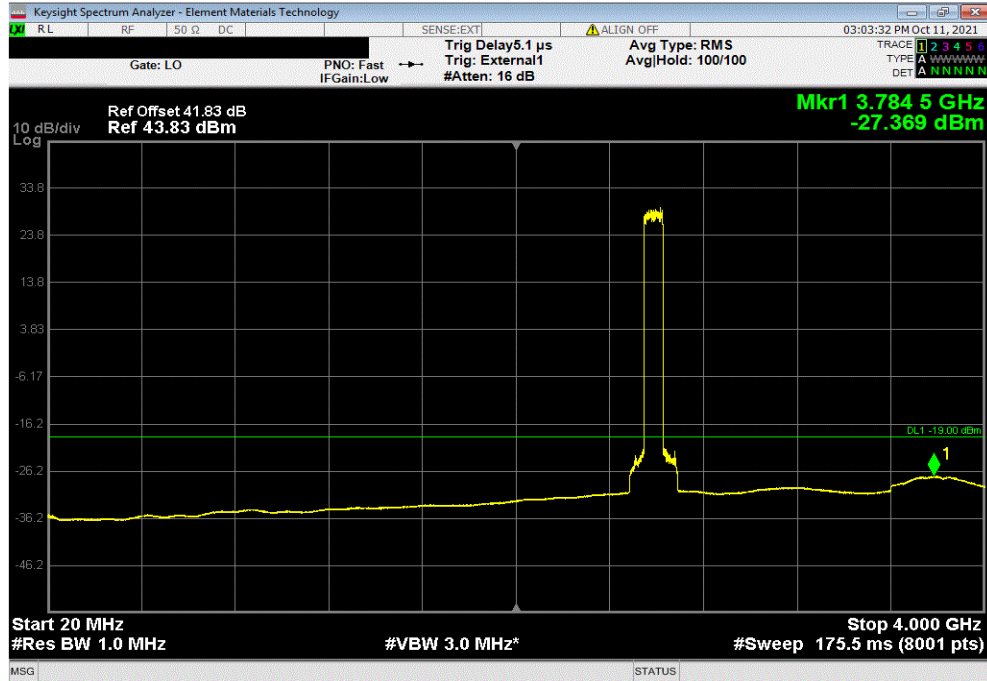


SPURIOUS CONDUCTED EMISSIONS - 5G NR

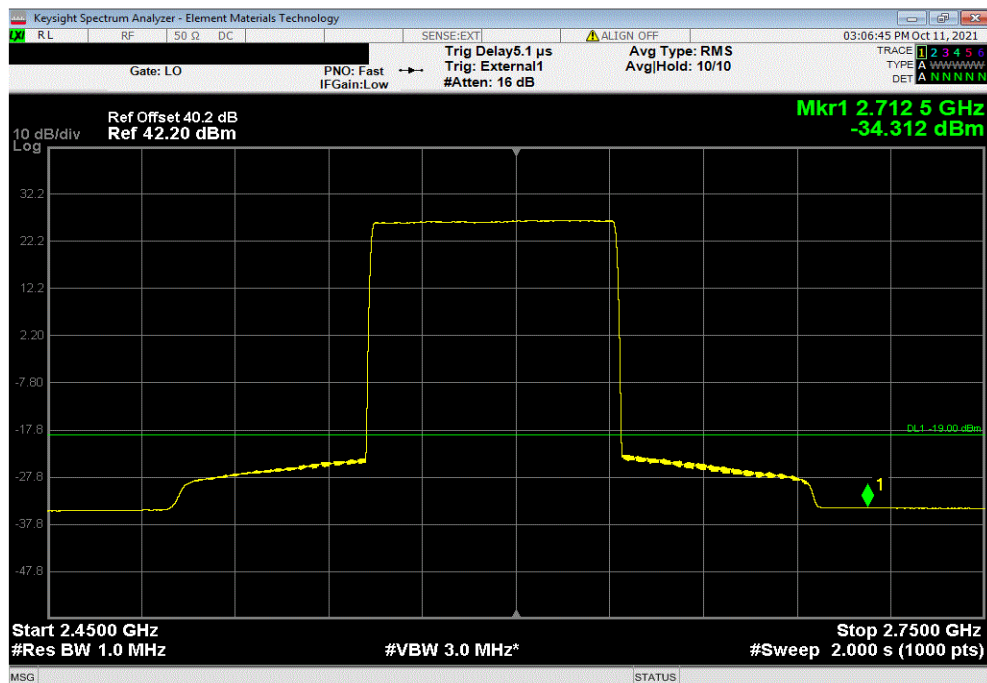


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3784.52	-27.37	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2712.49	-34.31	-19	Pass	

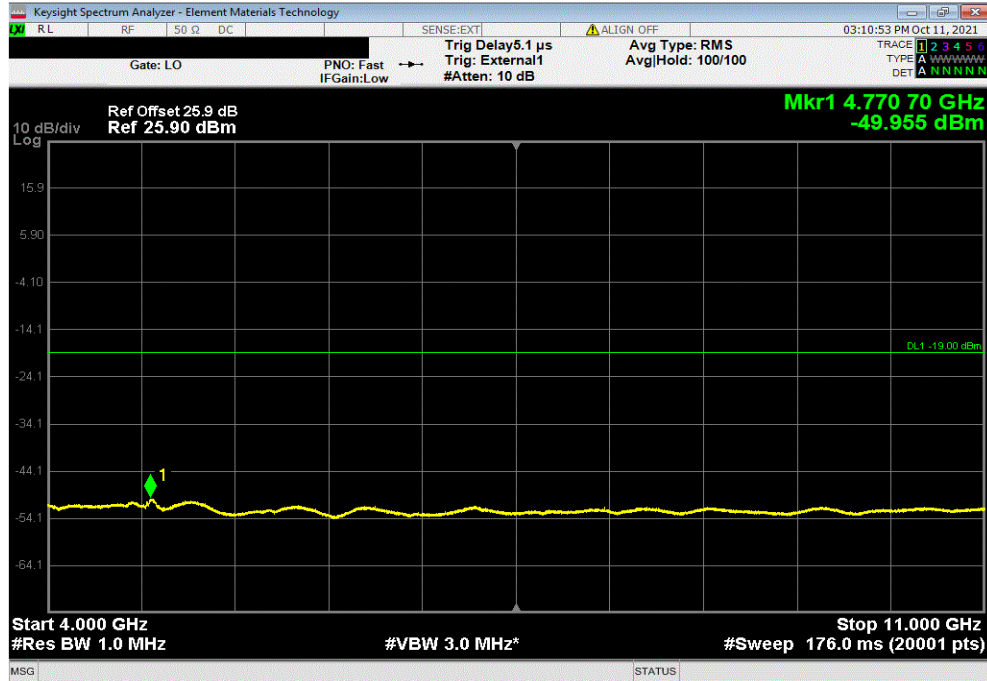


SPURIOUS CONDUCTED EMISSIONS - 5G NR

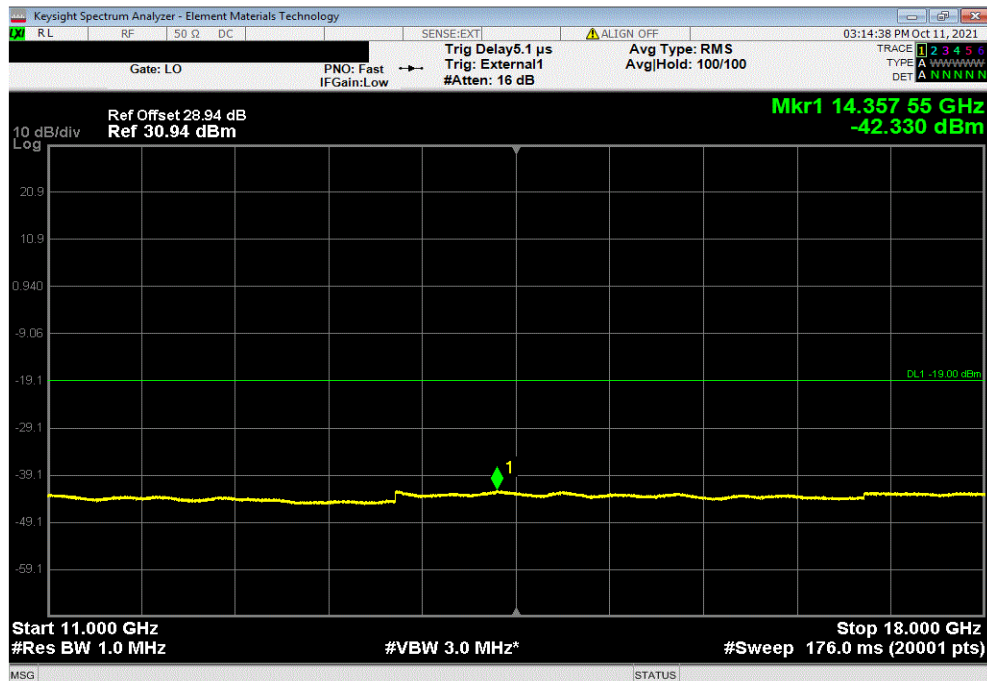


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4770.7	-49.96	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	14357.55	-42.33	-19	Pass	

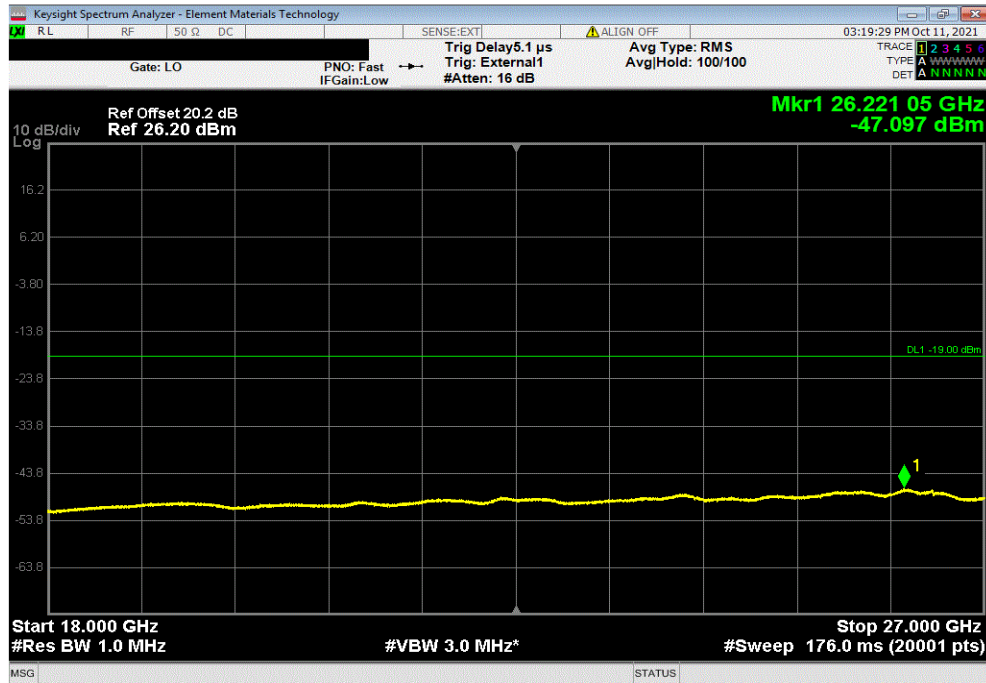


SPURIOUS CONDUCTED EMISSIONS - 5G NR

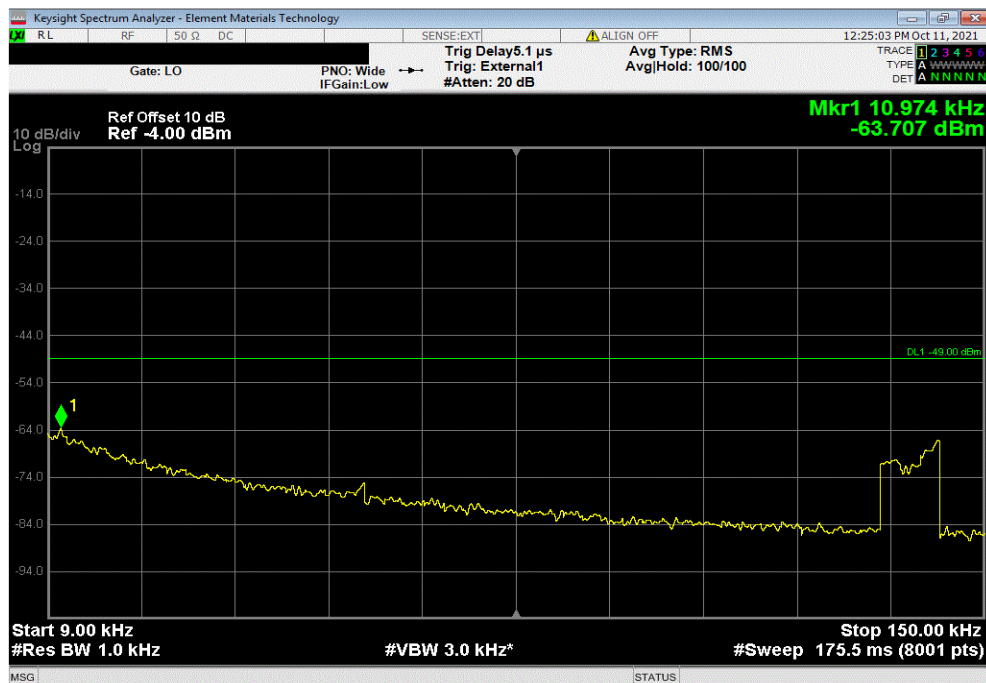


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR80) 80 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26221.05	-47.1	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-63.71	-49	Pass	

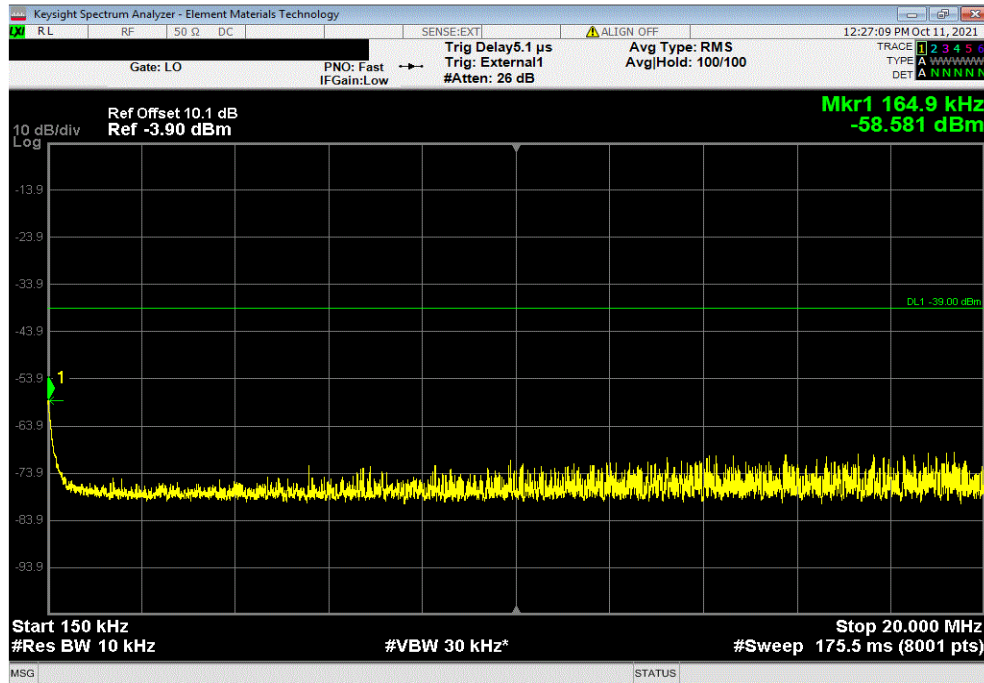


SPURIOUS CONDUCTED EMISSIONS - 5G NR

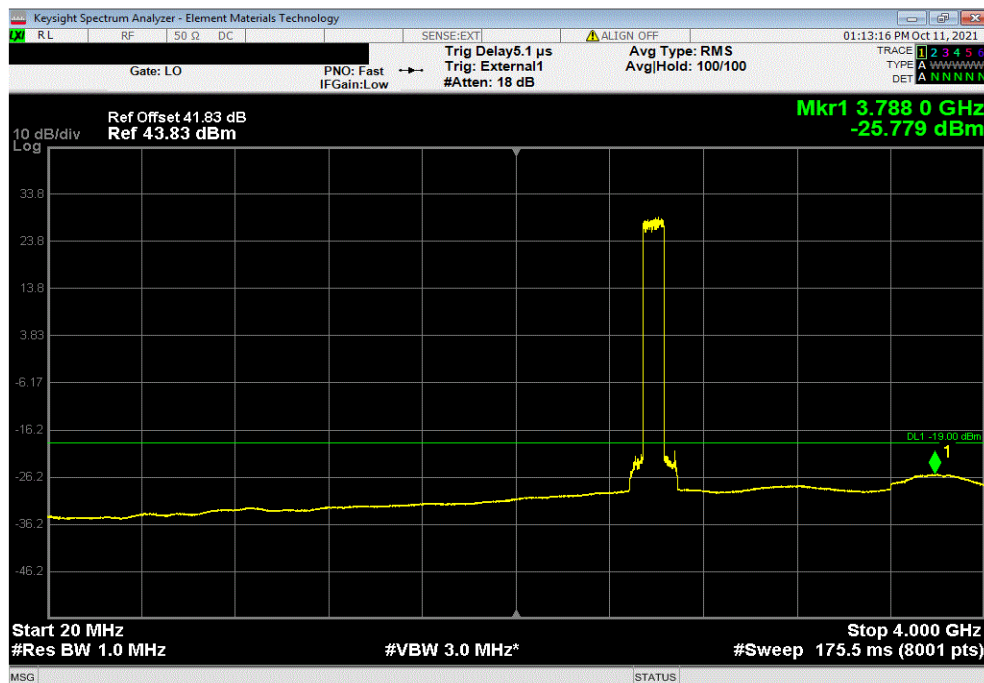


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-58.58	-39	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3788.01	-25.78	-19	Pass	

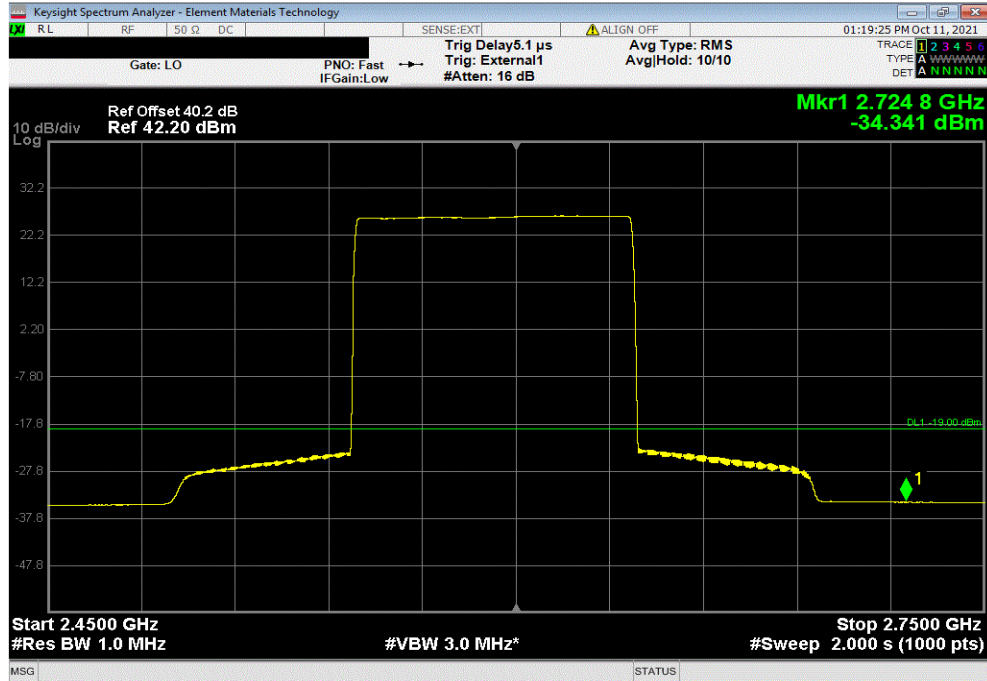


SPURIOUS CONDUCTED EMISSIONS - 5G NR

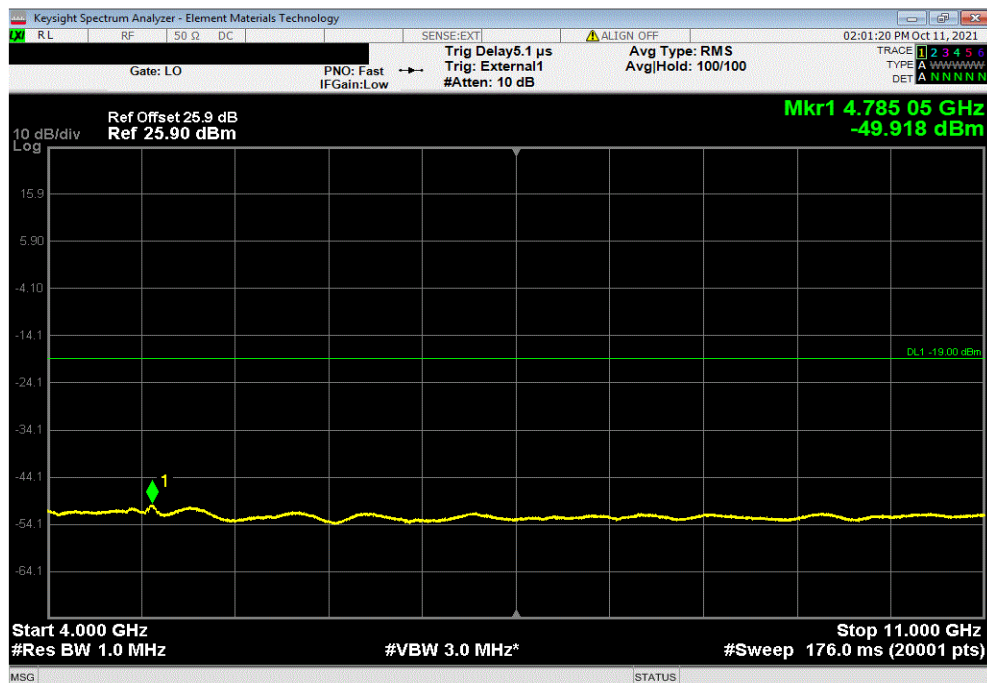


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2724.8	-34.34	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4785.05	-49.92	-19	Pass	

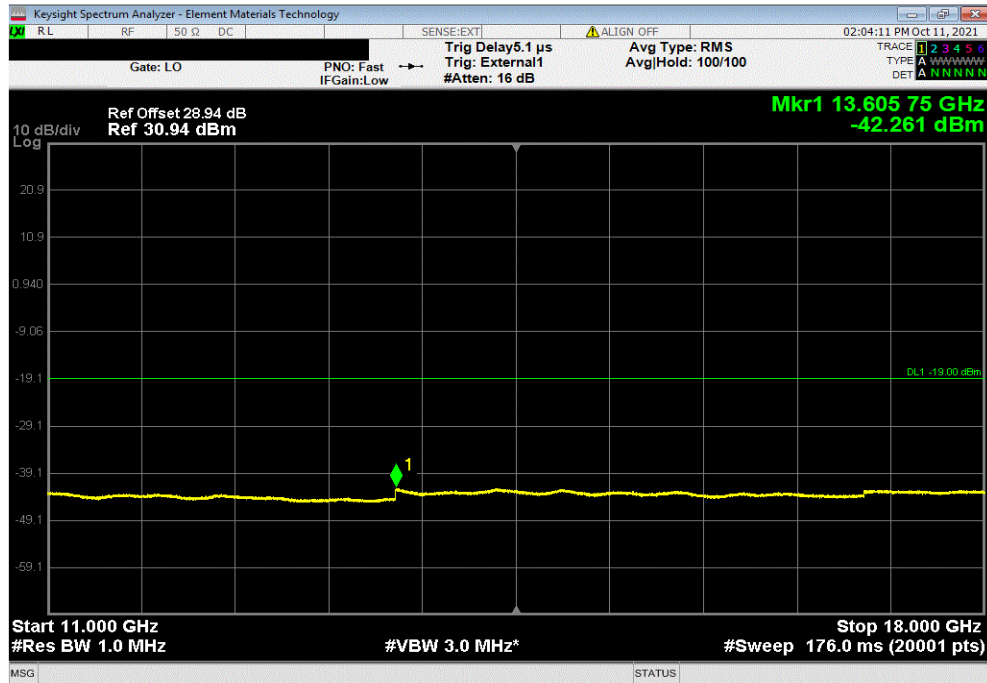


SPURIOUS CONDUCTED EMISSIONS - 5G NR

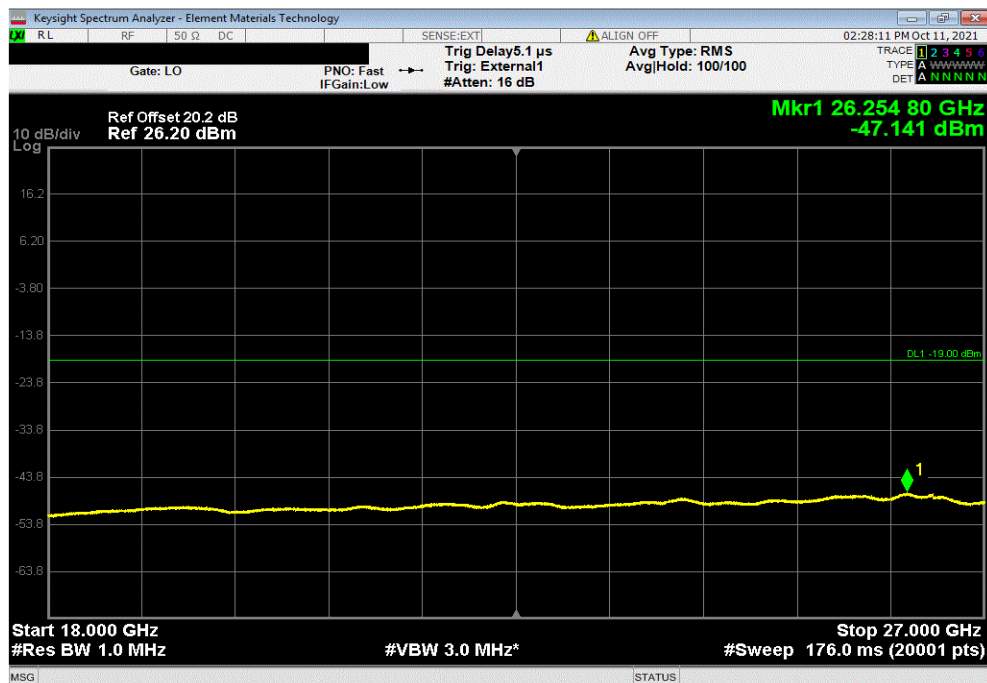


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13605.75	-42.26	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, QPSK Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26254.8	-47.14	-19	Pass	

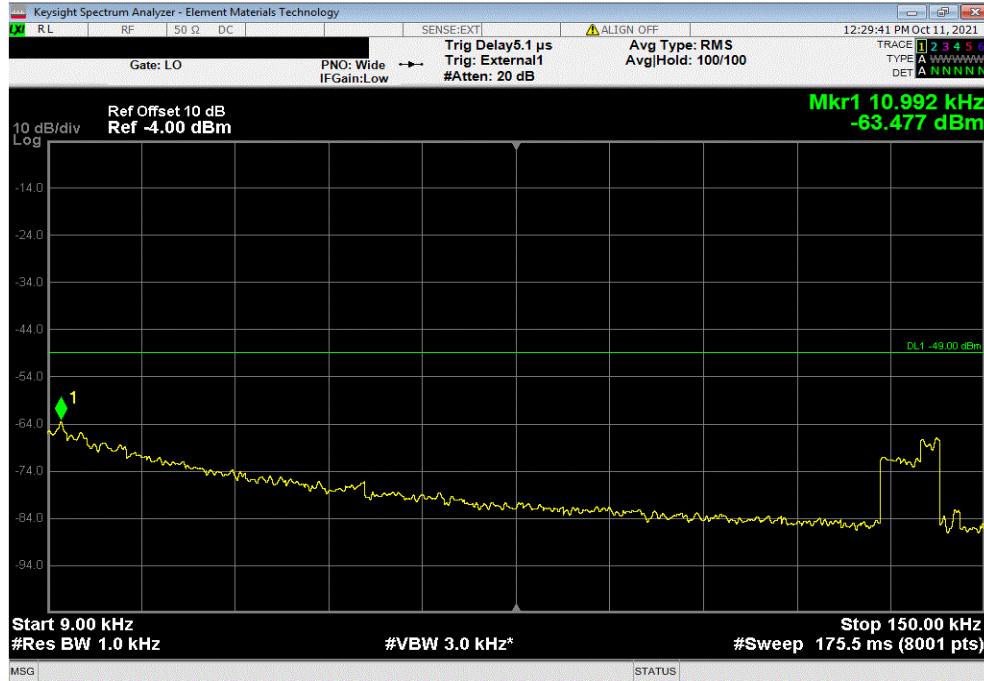


SPURIOUS CONDUCTED EMISSIONS - 5G NR

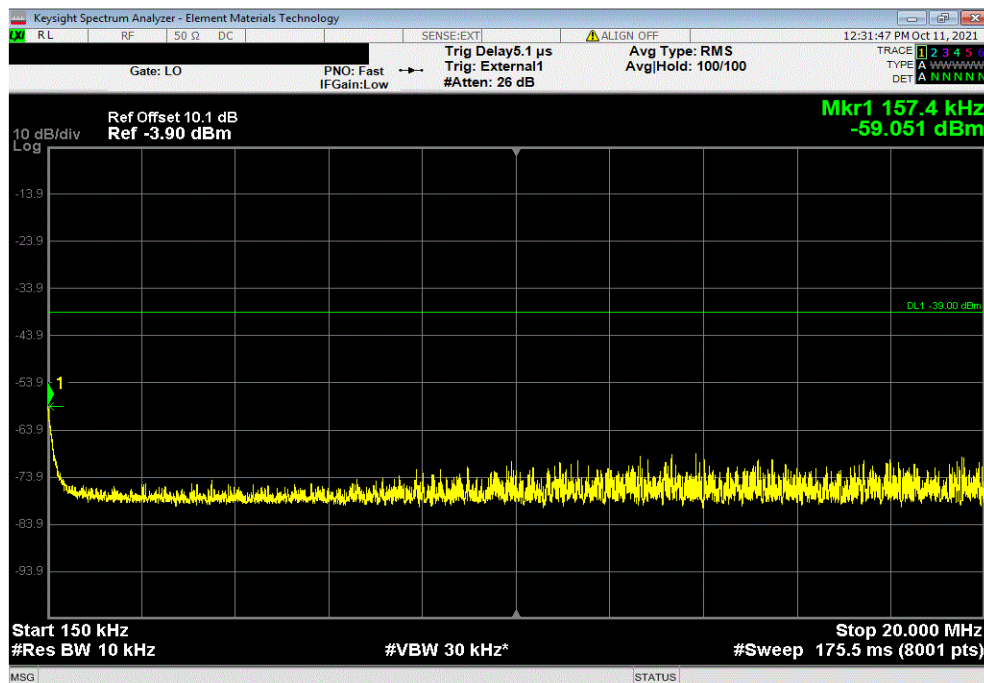


TbTtx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-63.48	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-59.05	-39	Pass	

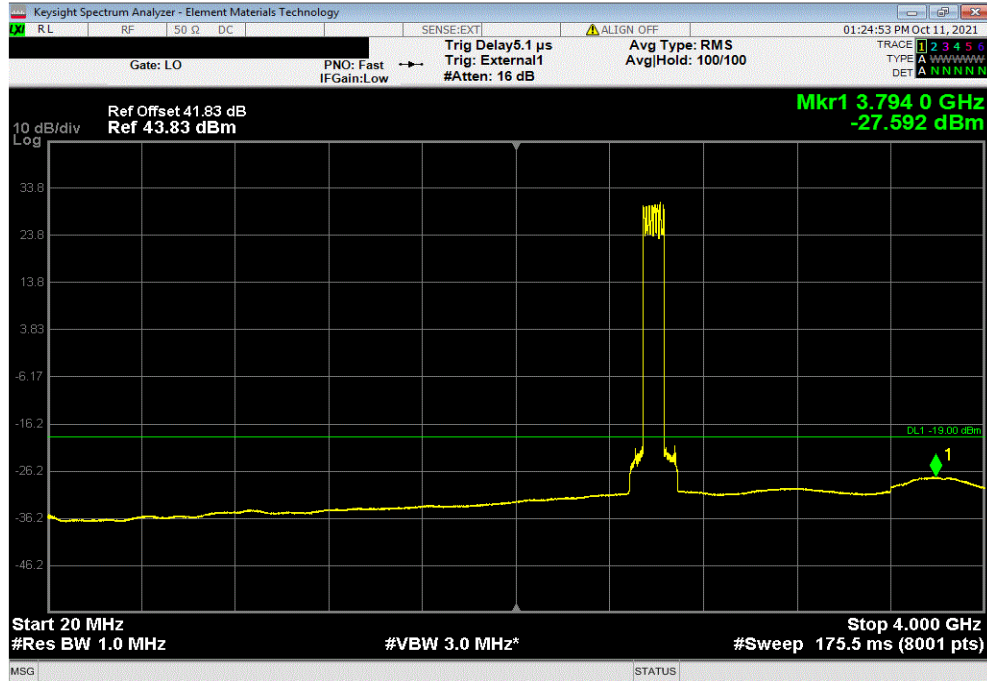


SPURIOUS CONDUCTED EMISSIONS - 5G NR

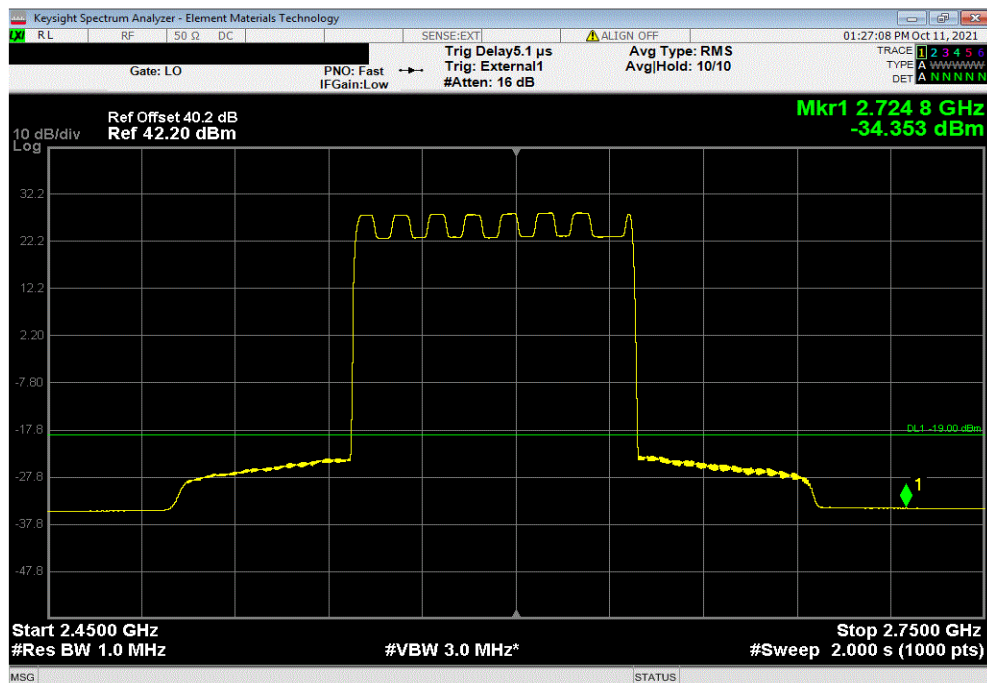


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3793.98	-27.59	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2724.8	-34.35	-19	Pass	

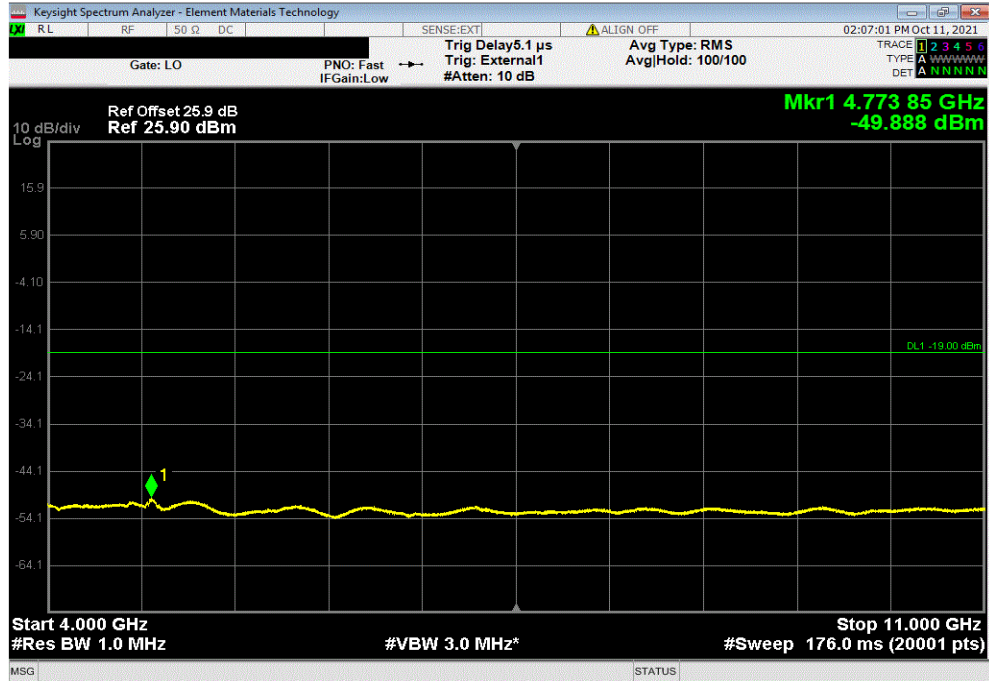


SPURIOUS CONDUCTED EMISSIONS - 5G NR

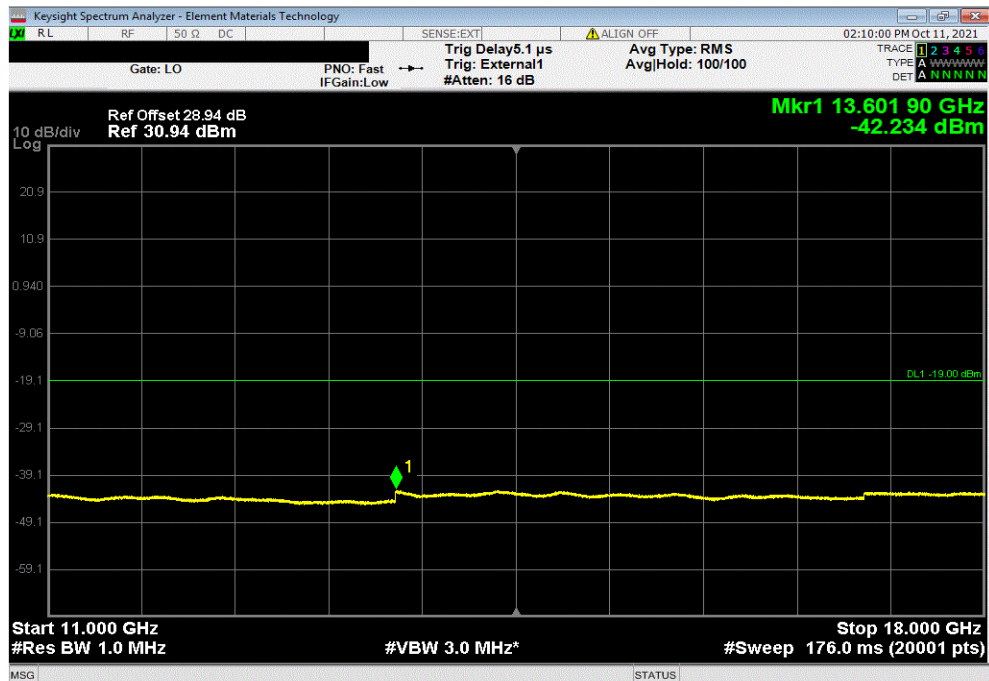


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4773.85	-49.89	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13601.9	-42.23	-19	Pass	

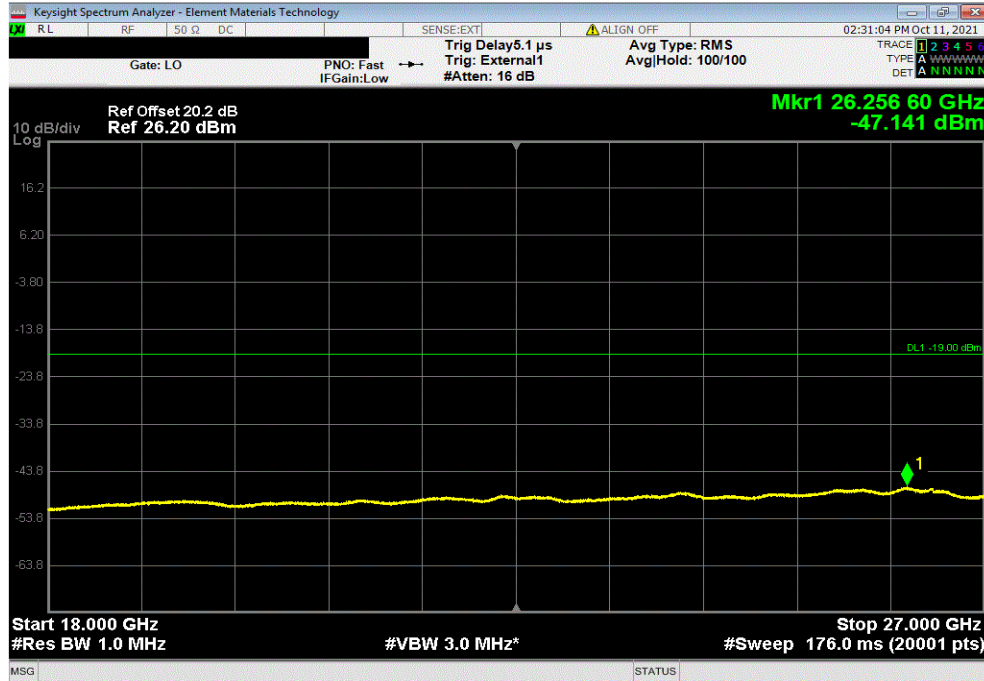


SPURIOUS CONDUCTED EMISSIONS - 5G NR

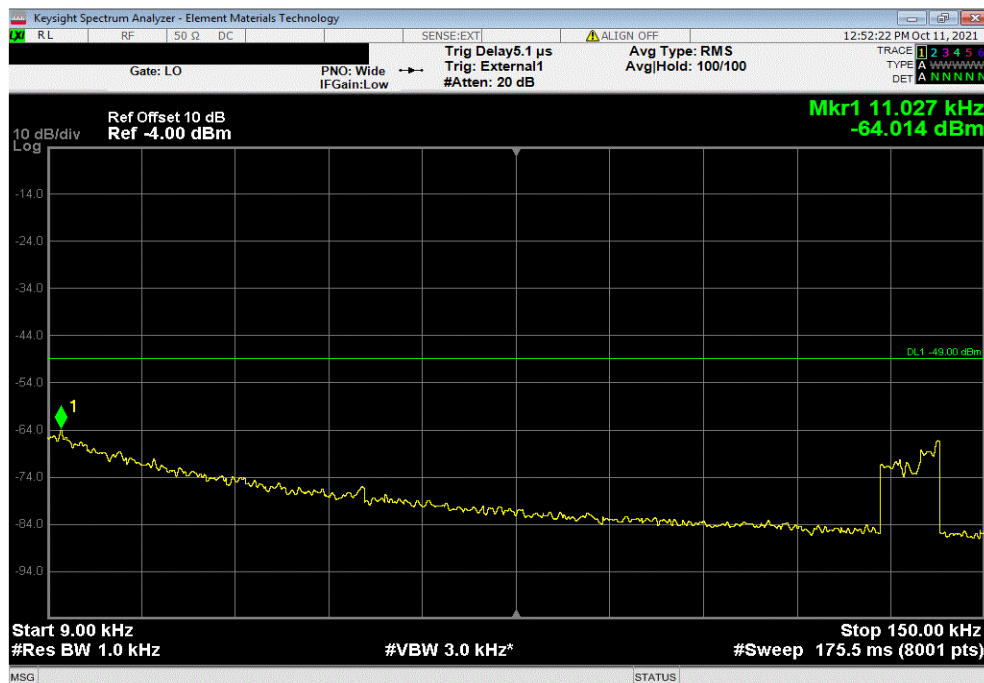


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 16QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26256.6	-47.14	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-64.01	-49	Pass	

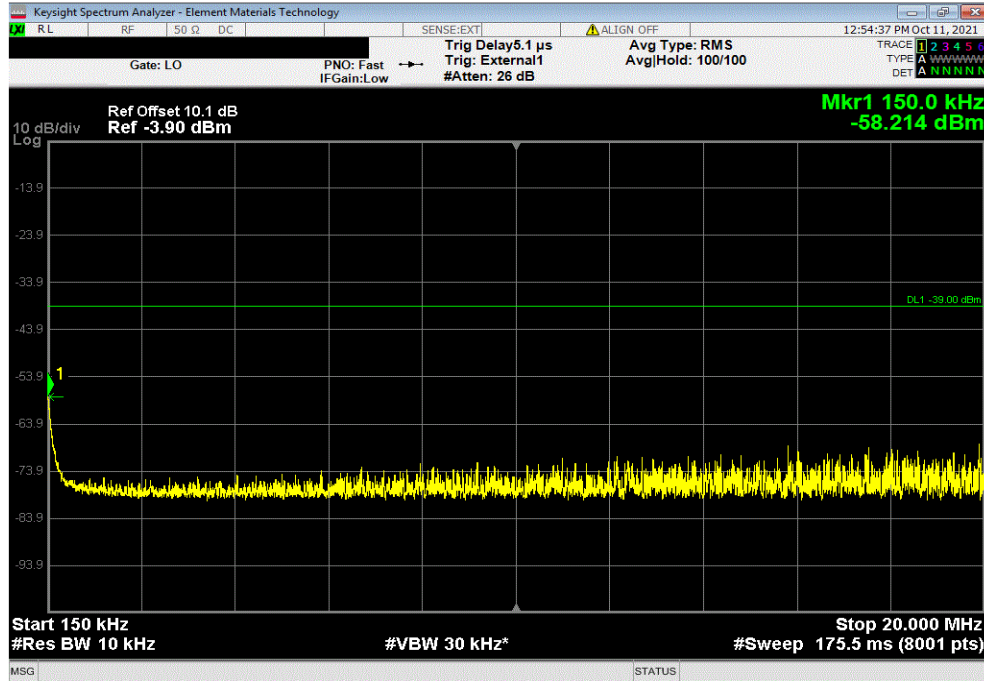


SPURIOUS CONDUCTED EMISSIONS - 5G NR

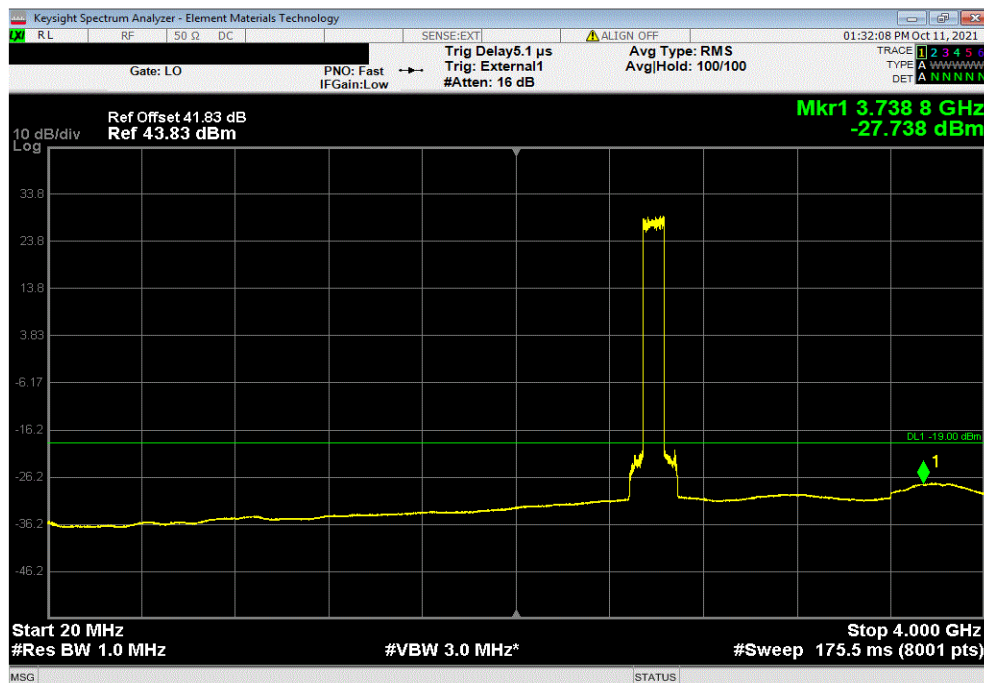


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-58.21	-39	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3738.75	-27.74	-19	Pass	

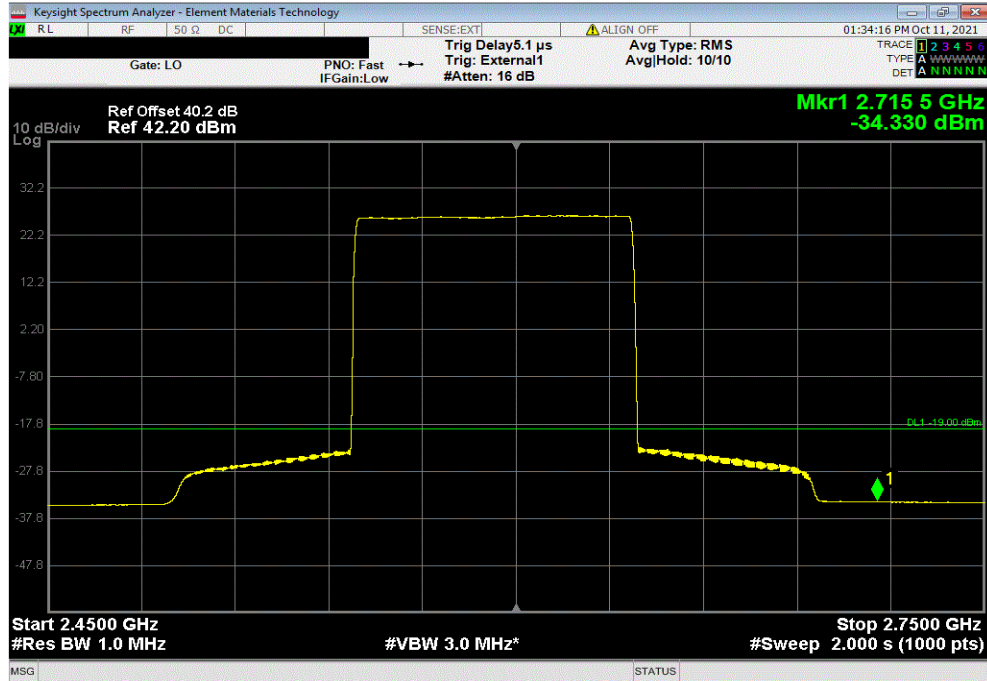


SPURIOUS CONDUCTED EMISSIONS - 5G NR

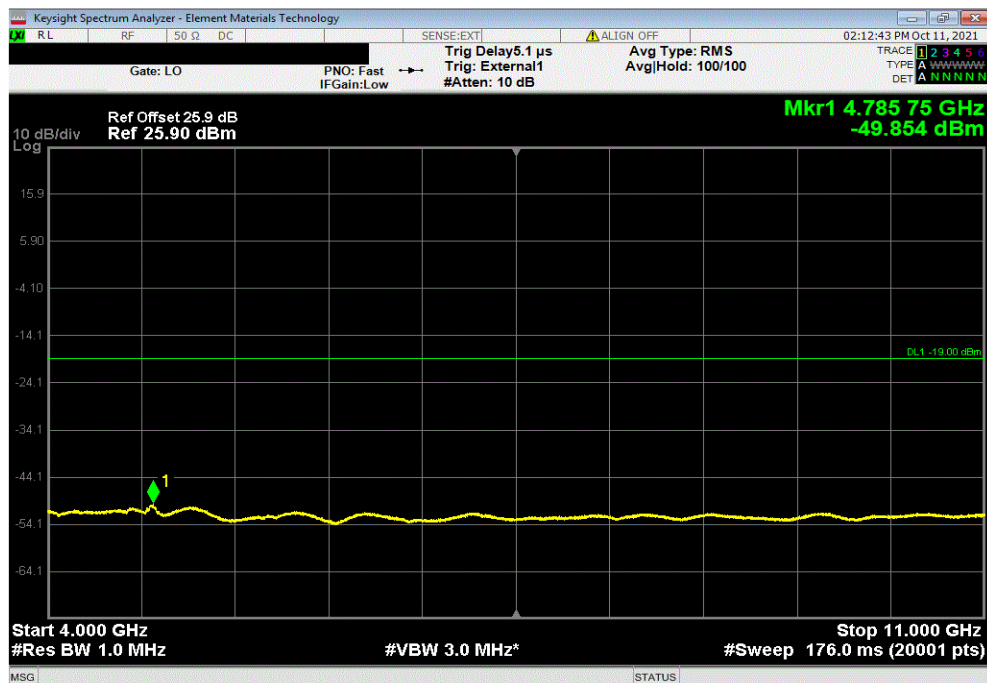


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2715.49	-34.33	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4785.75	-49.85	-19	Pass	

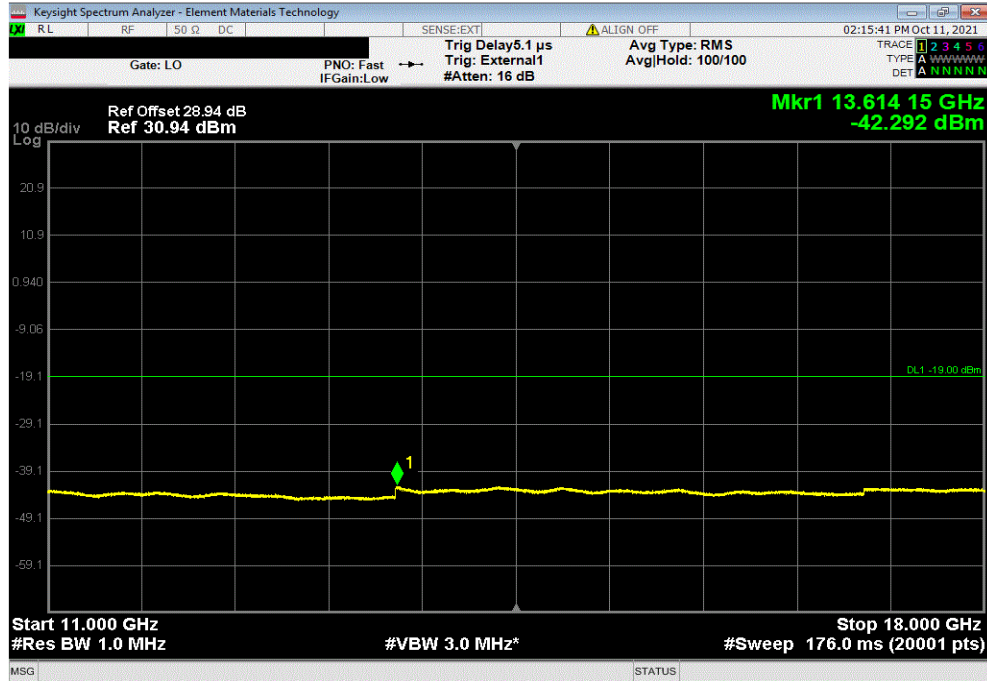


SPURIOUS CONDUCTED EMISSIONS - 5G NR

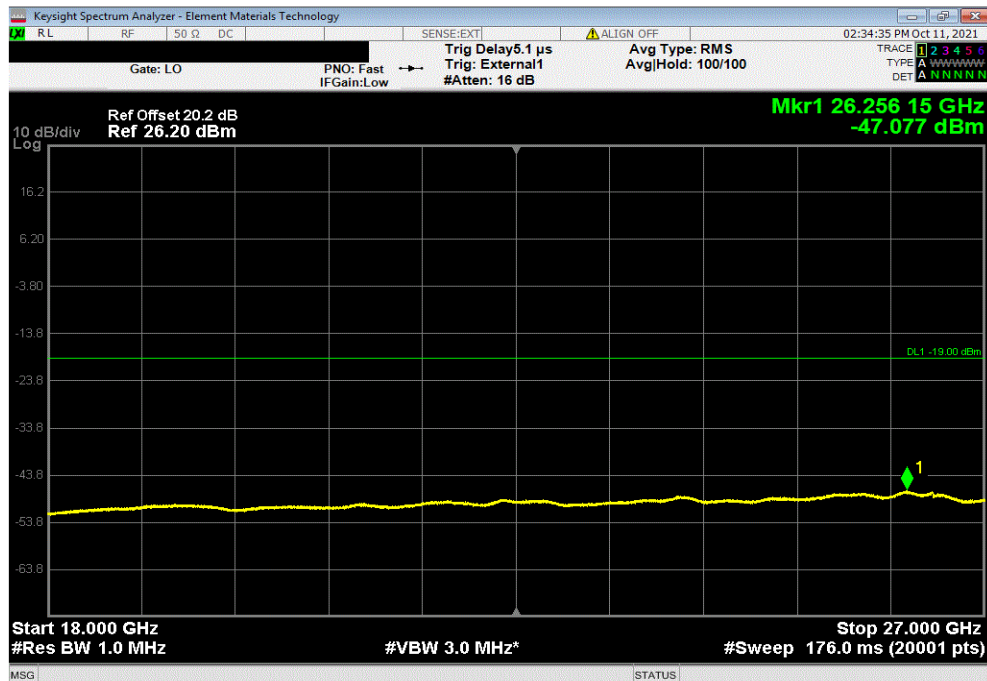


TbTx 2021.03.19.1 XM8 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13614.15	-42.29	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 64QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26256.15	-47.08	-19	Pass	

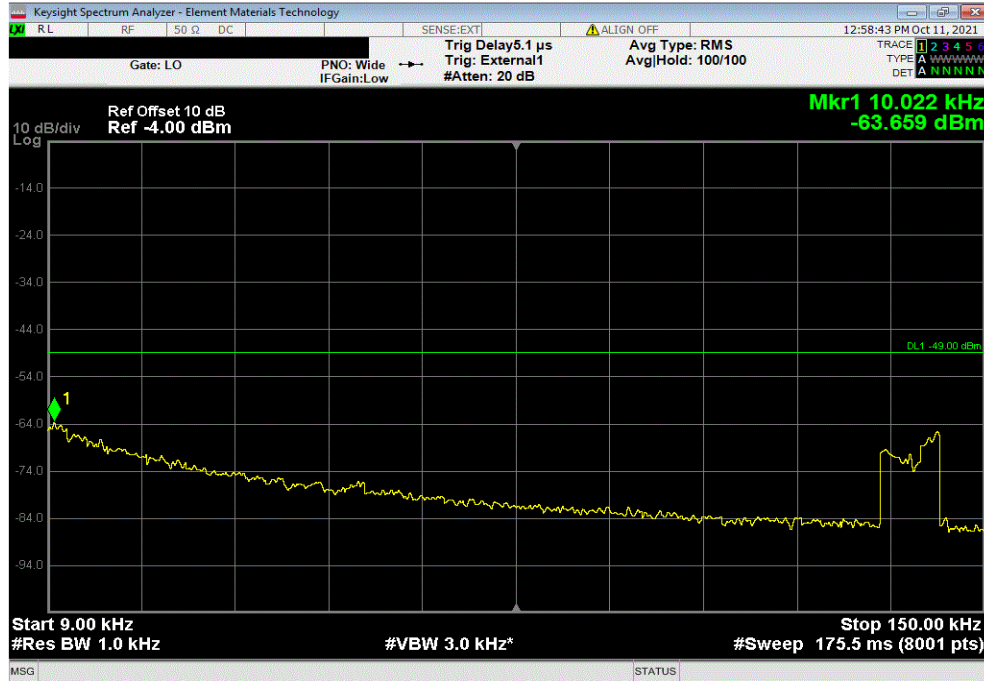


SPURIOUS CONDUCTED EMISSIONS - 5G NR

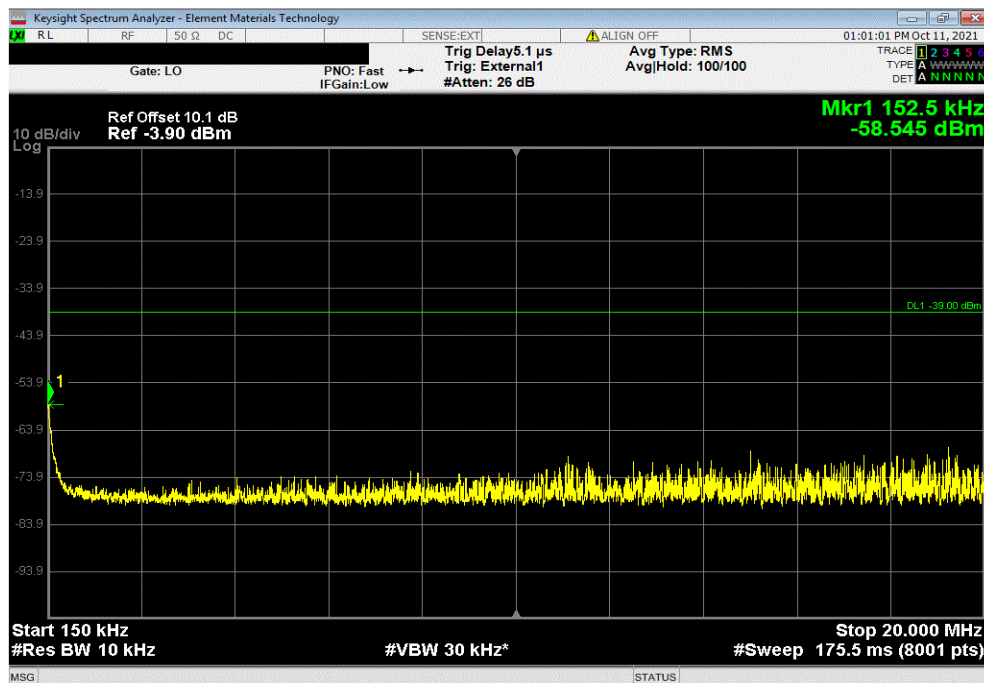


TbTtx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-63.66	-49	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-58.55	-39	Pass	

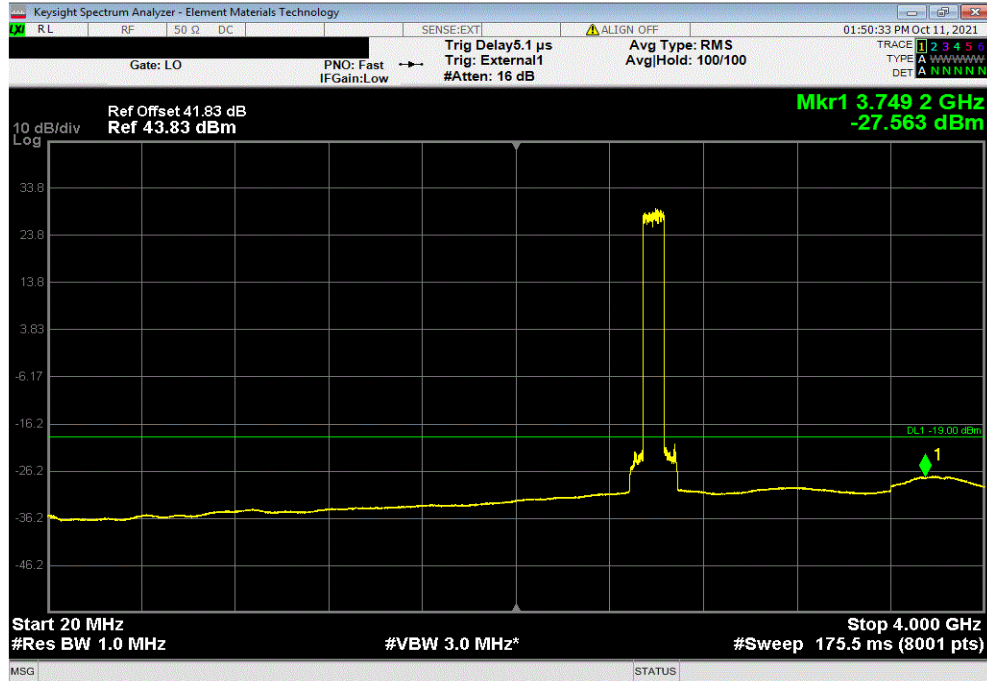


SPURIOUS CONDUCTED EMISSIONS - 5G NR

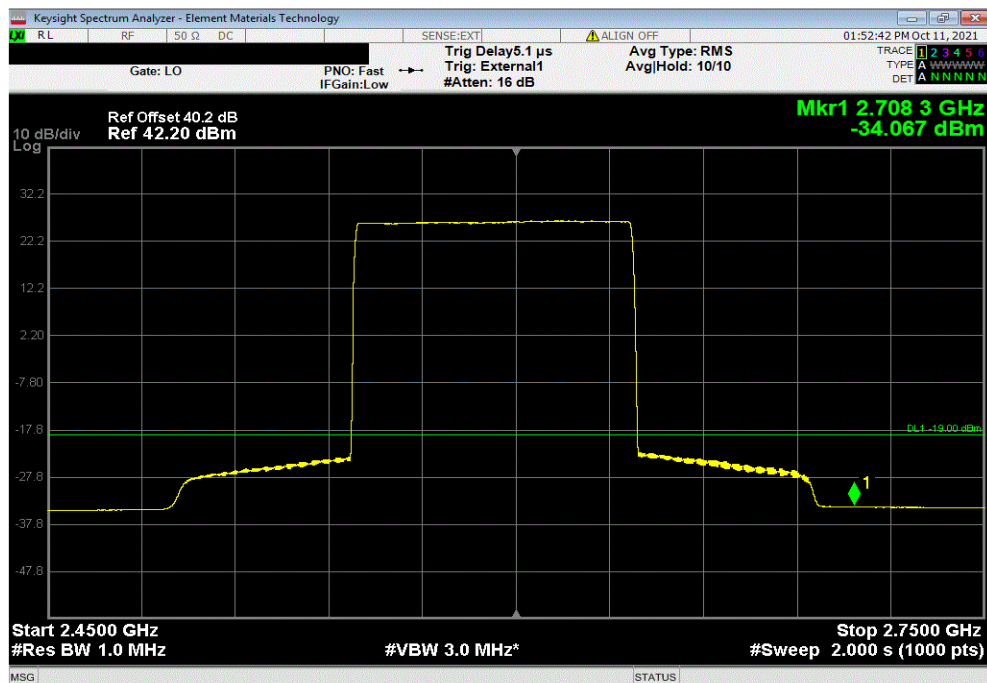


TbTx 2021.03.19.1 XMR 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
20 MHz - 4 GHz	3749.2	-27.56	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
2.45 GHz - 2.75 GHz	2708.29	-34.07	-19	Pass	

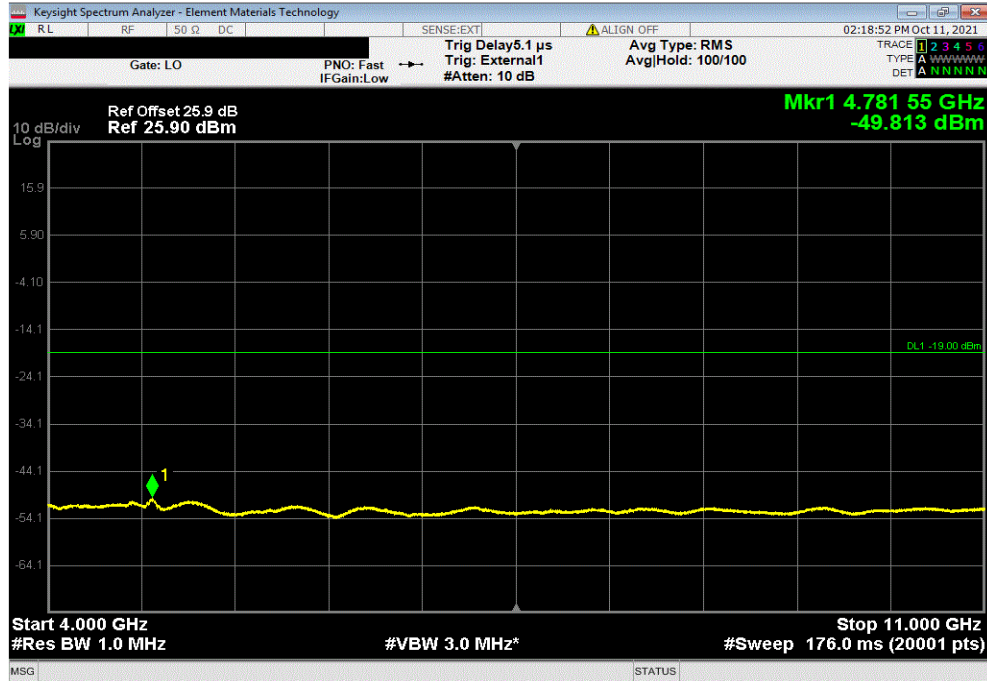


SPURIOUS CONDUCTED EMISSIONS - 5G NR

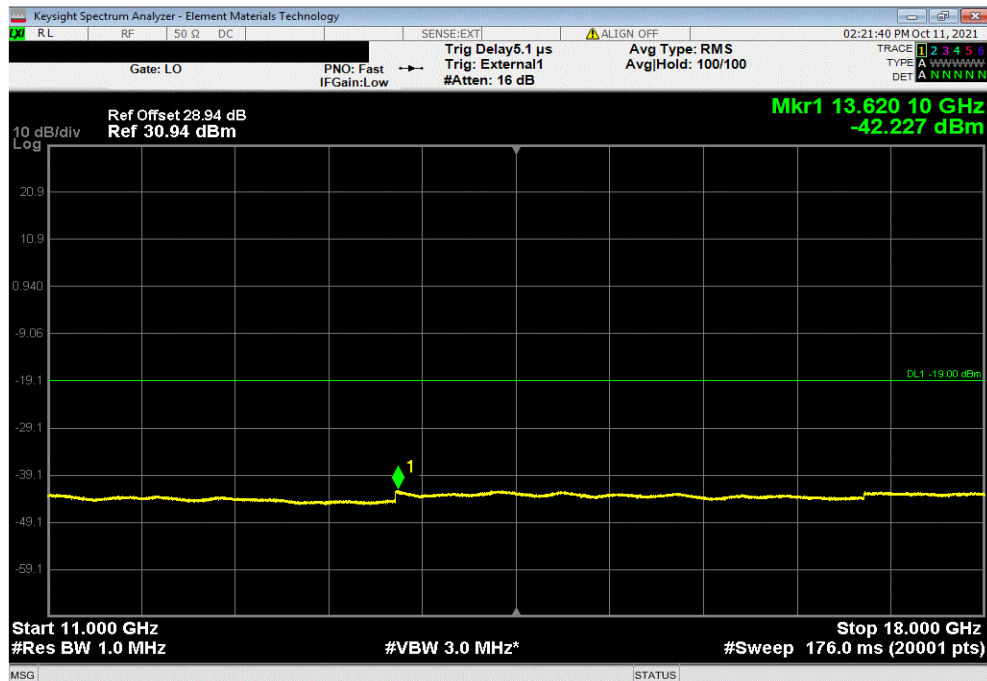


TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
4 GHz - 11 GHz	4781.55	-49.81	-19	Pass	



Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
11 GHz - 18 GHz	13620.1	-42.23	-19	Pass	



SPURIOUS CONDUCTED EMISSIONS - 5G NR



TbTx 2021.03.19.1 XMt 2020.12.30.0

Port 1, 5G NR, Band n41, 2496 MHz - 2690 MHz, (NR90) 90 MHz Bandwidth, 256QAM Modulation, Mid Channel 2592.99 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
18 GHz - 27 GHz	26226.9	-47.18	-19	Pass	

