

# SPURIOUS CONDUCTED EMISSIONS - BAND n12



XMH 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	SD3239	ANE	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 antenna port spurious emissions were measured at the RF output terminal of the EUT through 3 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 8 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 100 kHz bands immediately outside and adjacent to the frequency block.

AHLBBA antenna ports 1&4 are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraphs 5.2.5.3, 5.7.2i and 6.4.

AHLBBA antenna ports 2&3 are essentially electrically identical (the RF power variation between antenna ports is small as shown in this certification testing) and antenna port 2 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 section 27.53(g) and RSS 130 4.7, 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. FCC 27.53(g) and RSS 130 4.7.1 requires a >100 kHz measurement bandwidth for emissions 100 kHz outside of the RRH operating frequency range.

The limit for the 9kHz to 150kHz frequency range was adjusted to -39dBm to correct for a spectrum analyzer RBW of 1kHz versus required RBW of 100kHz [i.e.:  $-39\text{dBm} = -19\text{dBm} - 10\log(100\text{kHz}/1\text{kHz})$ ]. The limit for the 150kHz to 20MHz frequency range was adjusted to -29dBm to correct for a spectrum analyzer RBW of 10kHz versus required RBW of 100kHz [i.e.:  $-29\text{dBm} = -19\text{dBm} - 10\log(100\text{kHz}/10\text{kHz})$ ]. The required limit of -19dBm with a RBW of > 100kHz was used for all other frequency ranges. (See ANSI C63.26-2015 paragraph 5.7.2a for details on the Limit/RBW scaling method)

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Tel: 2022.05.02.0 XMI: 2022.02.07.0

EUT: AHLBBA (C2PC/C3PC FCC/ISED)		Work Order: NOKI0047	
Serial Number: K9193514835		Date: 3-Aug-22	
Customer: Nokia Solutions and Networks		Temperature: 21.7 °C	
Attendees: Mitchell Hill		Humidity: 54.8% RH	
Project: None		Barometric Pres.: 1020 mbar	
Tested by: Marty Martin		Power: 54VDC	
		Job Site: TX07	
TEST SPECIFICATIONS			
		Test Method	
FCC 27:2022		ANSI C63.26:2015	
RSS-130 Issue 2:2019		ANSI C63.26:2015	
COMMENTS			
All measurement path losses were accounted for in the reference level offset including attenuators, cables, DC block and filter when in use. The carriers were enabled at maximum power.			
DEVIATIONS FROM TEST STANDARD			
None			
Configuration #	1, 2, 3	Signature <i>Marty Martin</i>	
		Frequency Range	Measured Freq (MHz)
		Max Value (dBm)	Limit < (dBm)
			Result

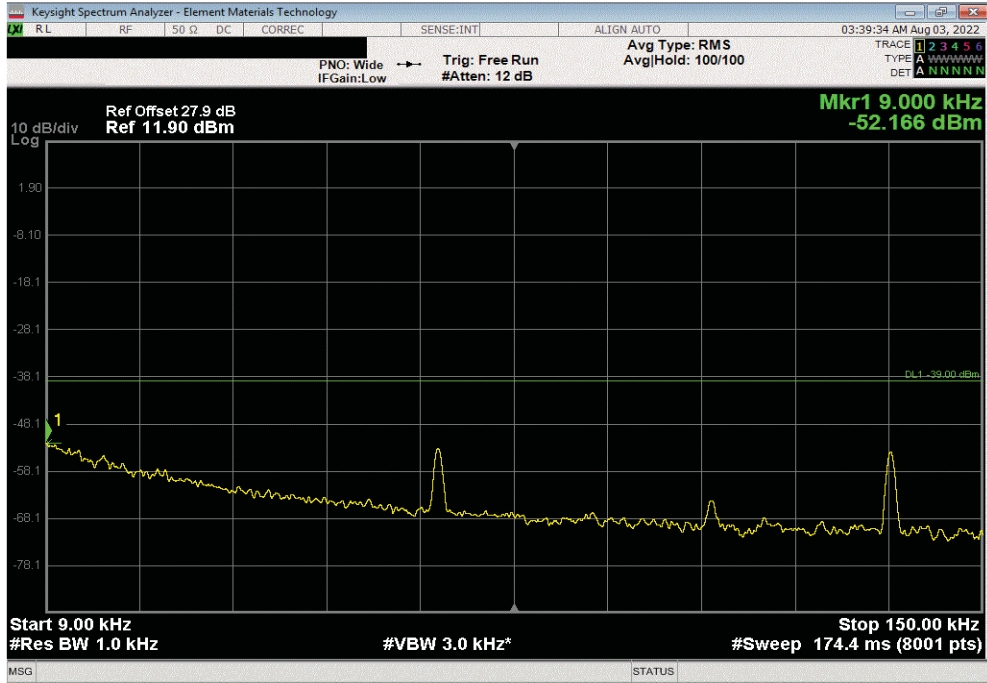
Port	Band	Modulation	Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result			
Port 1	Band n12, 729 - 745 Mhz	5 MHz Bandwidth	QPSK Modulation							
			Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-52.2	-39	Pass		
			Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-48.4	-29	Pass		
			Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-40.7	-19	Pass		
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4016.56	-36.4	-19	Pass			
		16QAM Modulation								
		Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-52.1	-39	Pass			
		Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.16	-49.0	-29	Pass			
		Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-40.1	-19	Pass			
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4017.24	-36.4	-19	Pass			
		64QAM Modulation								
		Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-51.8	-39	Pass			
		Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-49.2	-29	Pass			
		Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-40.4	-19	Pass			
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4019.96	-36.4	-19	Pass			
		256QAM Modulation								
		Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-52.1	-39	Pass			
		Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-48.9	-29	Pass			
		Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-39.7	-19	Pass			
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4035.6	-36.4	-19	Pass			
		10 MHz Bandwidth	256QAM Modulation							
			Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-51.8	-39	Pass		
			Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-49.6	-29	Pass		
			Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-39.4	-19	Pass		
			Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4005	-36.4	-19	Pass		
			15 MHz Bandwidth	256QAM Modulation						
				Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-52.2	-39	Pass	
				Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-49.1	-29	Pass	
				Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-38.6	-19	Pass	
				Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4030.84	-36.4	-19	Pass	
				Port 2	Band n12, 729 - 745 Mhz	5 MHz Bandwidth	QPSK Modulation			
			Mid Channel, 737.0 MHz				9 kHz - 150 kHz	0.01	-51.9	-39
		Mid Channel, 737.0 MHz	150 kHz - 20 MHz				0.15	-48.0	-29	Pass
		Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz				765	-39.3	-19	Pass
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz			4005.68	-36.4	-19	Pass	
		16QAM Modulation								
		Mid Channel, 737.0 MHz	9 kHz - 150 kHz			0.01	-52.1	-39	Pass	
		Mid Channel, 737.0 MHz	150 kHz - 20 MHz			0.15	-48.7	-29	Pass	
		Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz			765	-40.4	-19	Pass	
		Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz			4014.52	-36.3	-19	Pass	
64QAM Modulation										
Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-51.6			-39	Pass			
Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-48.7			-29	Pass			
Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-40.0			-19	Pass			
Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4020.64	-36.4			-19	Pass			
256QAM Modulation										
Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-51.7			-39	Pass			
Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-49.3			-29	Pass			
Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-39.8			-19	Pass			
Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4007.72	-36.4			-19	Pass			
10 MHz Bandwidth	256QAM Modulation									
	Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01			-52.0	-39	Pass		
	Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15			-48.8	-29	Pass		
	Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765			-37.0	-19	Pass		
	Mid Channel, 737.0 MHz	1.2 GHz - 8 GHz	4013.16			-36.3	-19	Pass		
	15 MHz Bandwidth	256QAM Modulation								
Mid Channel, 737.0 MHz		9 kHz - 150 kHz	0.01			-51.8	-39	Pass		
Mid Channel, 737.0 MHz		150 kHz - 20 MHz	0.15			-49.1	-29	Pass		
Mid Channel, 737.0 MHz		20 MHz - 1.2 GHz	765			-32.4	-19	Pass		
Mid Channel, 737.0 MHz		1.2 GHz - 8 GHz	4009.08			-36.4	-19	Pass		

# SPURIOUS CONDUCTED EMISSIONS - BAND n12

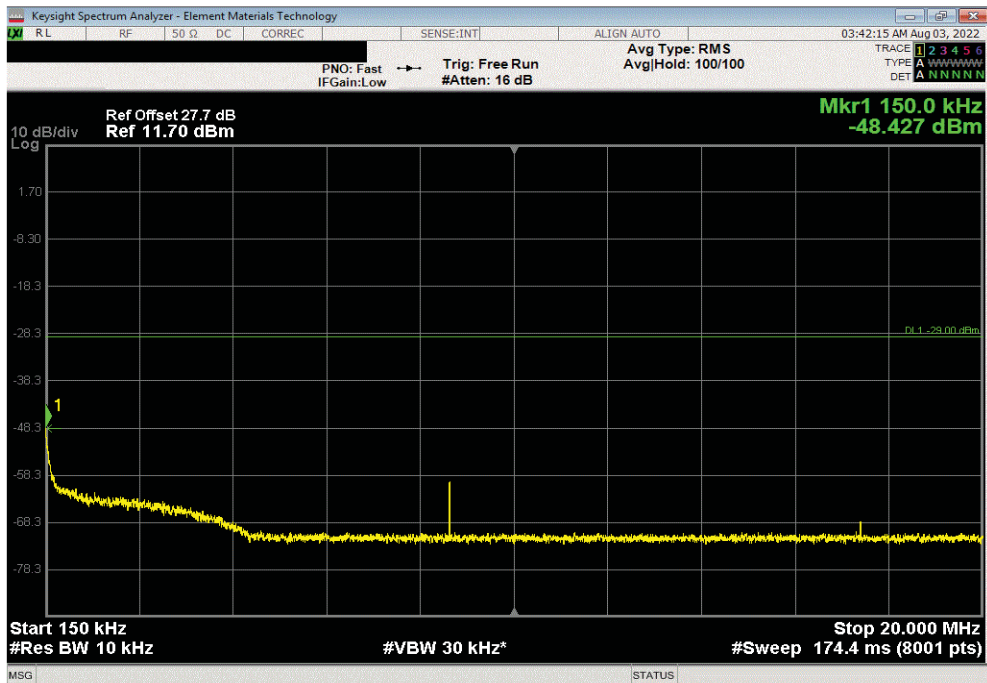


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-52.17	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.43	-29	Pass	

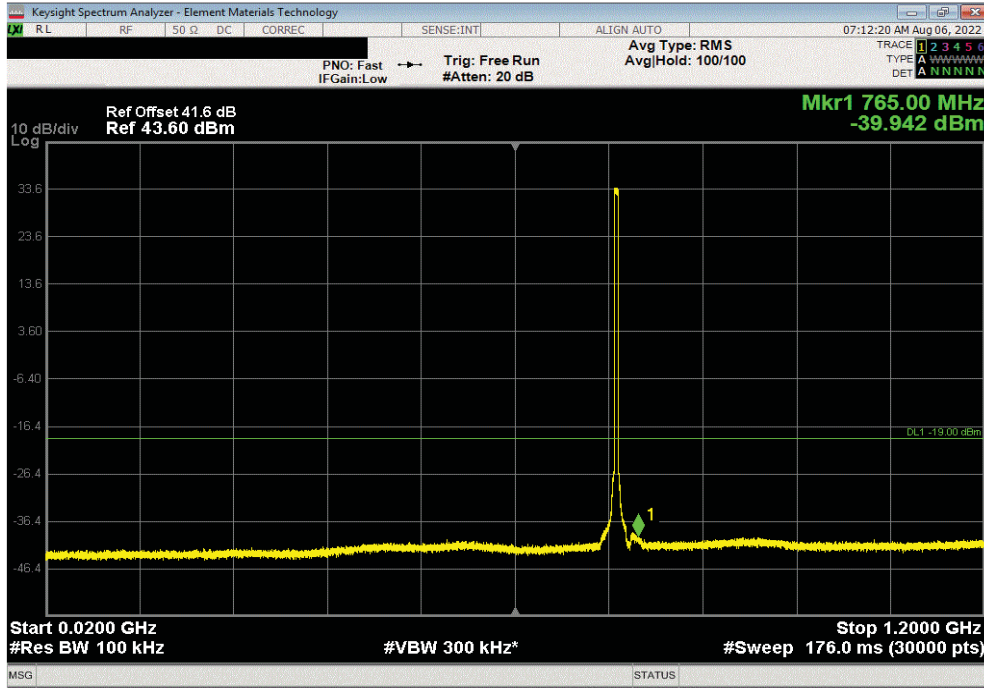


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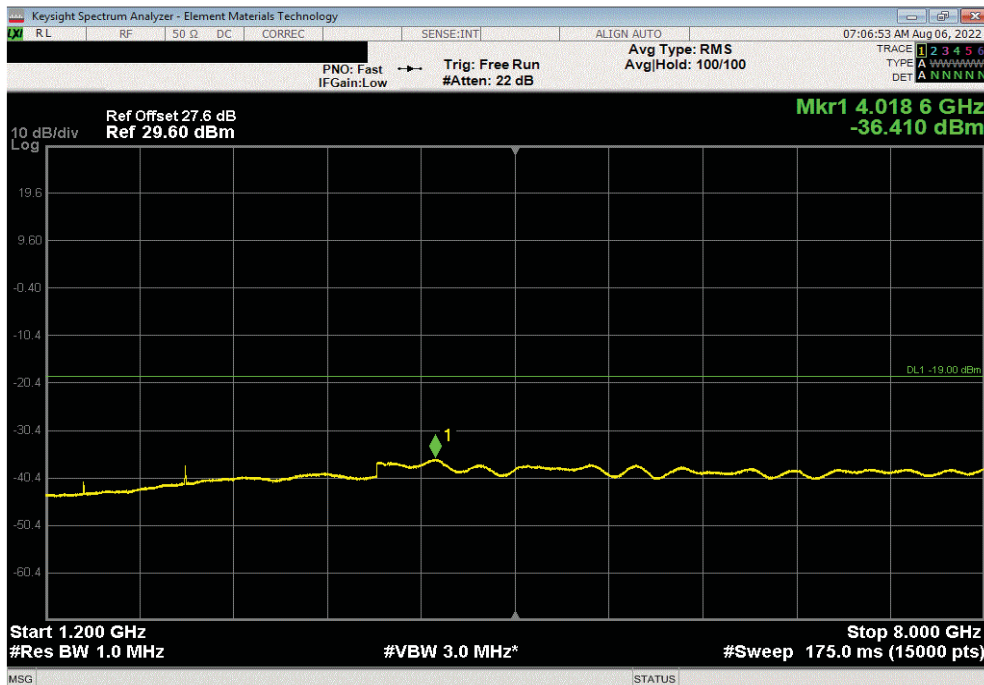


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-40.72	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4016.56	-36.41	-19	Pass

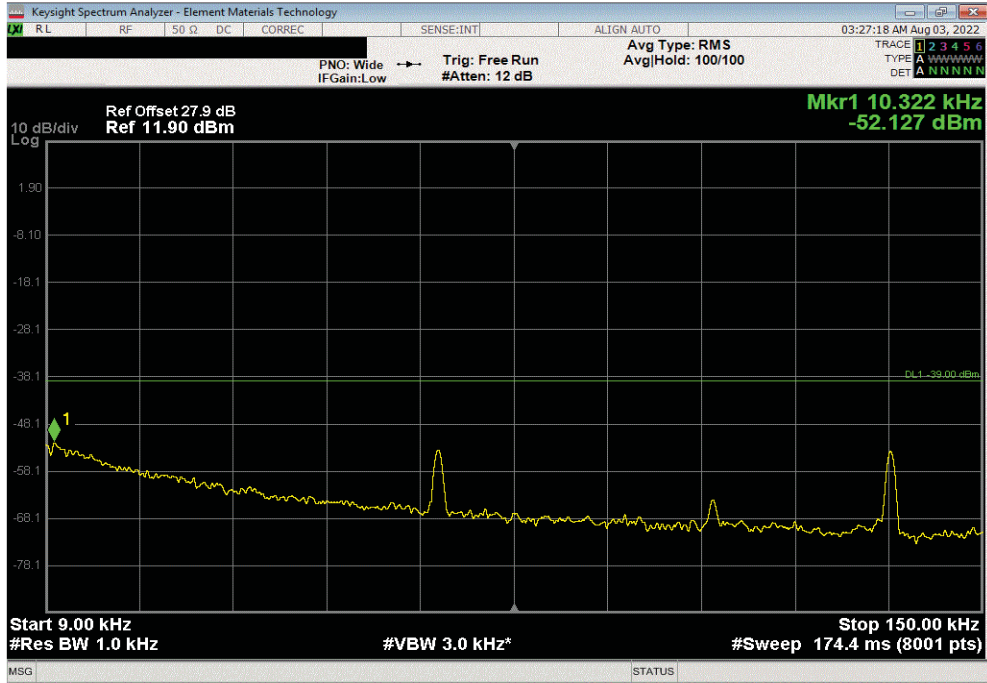


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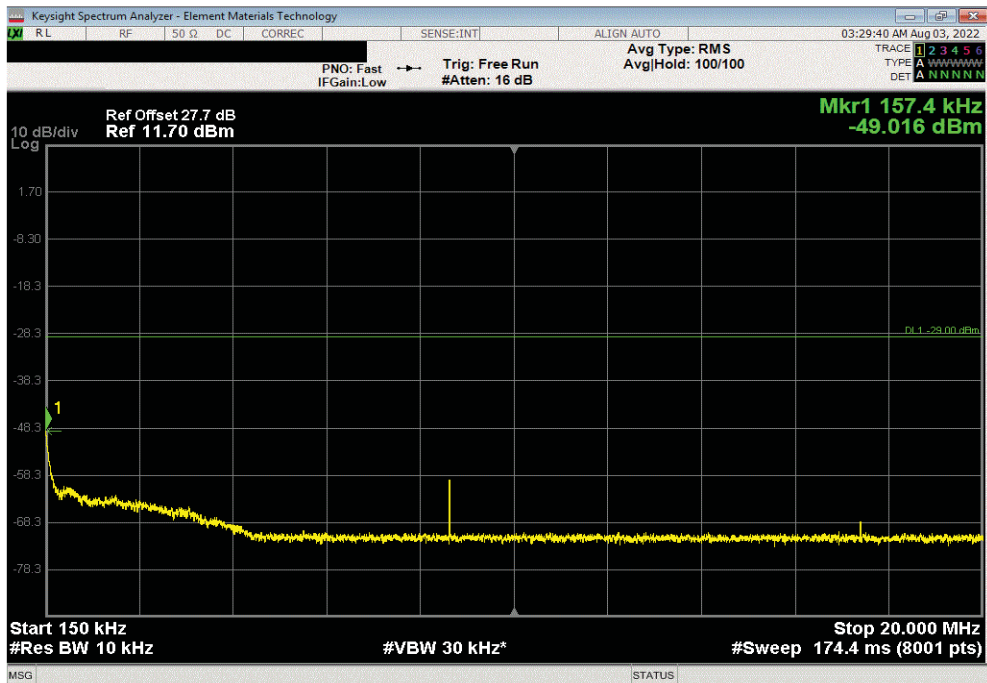


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-52.13	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.16	-49.02	-29	Pass	



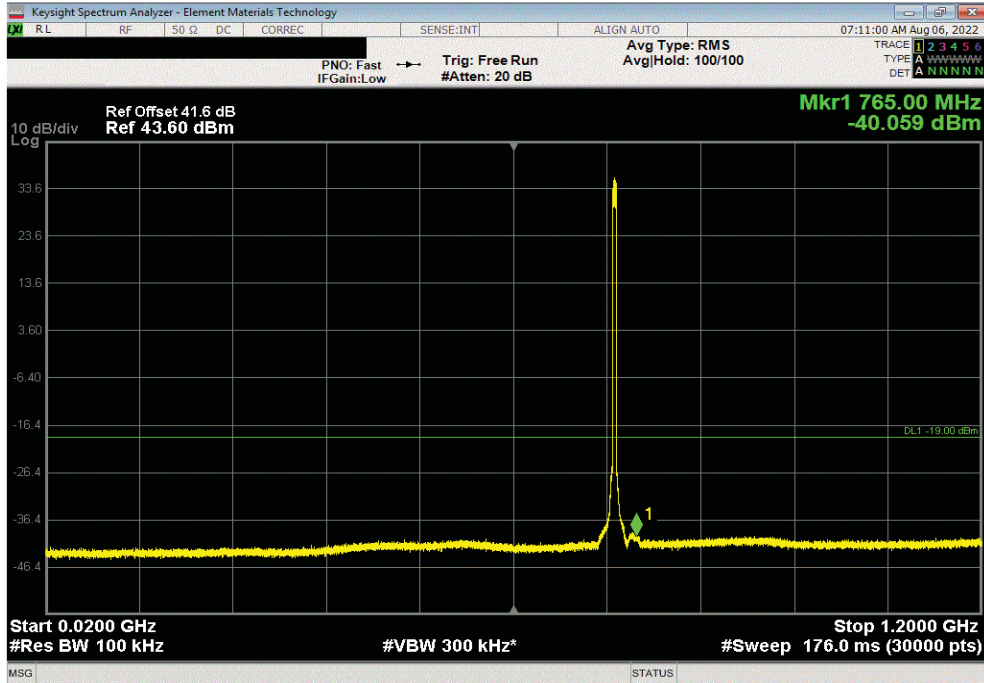


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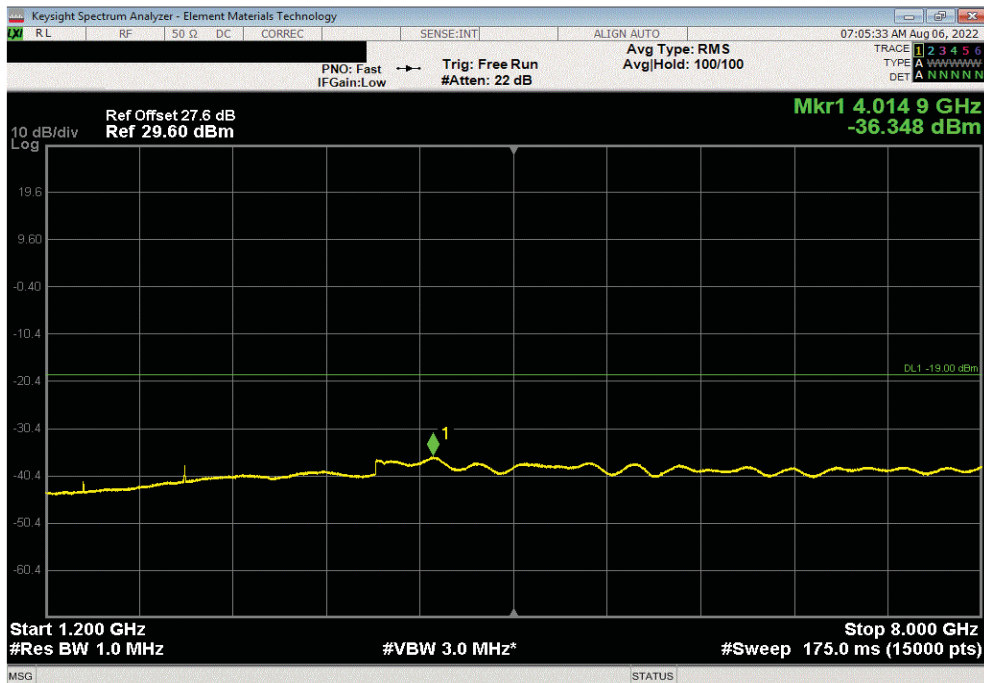


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-40.06	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4017.24	-36.35	-19	Pass

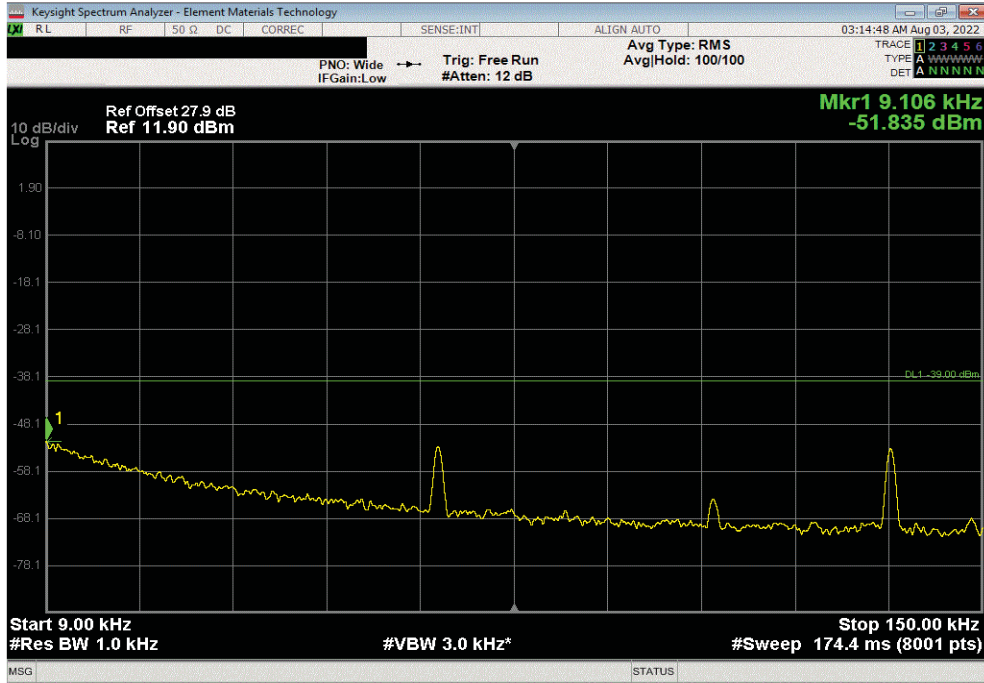


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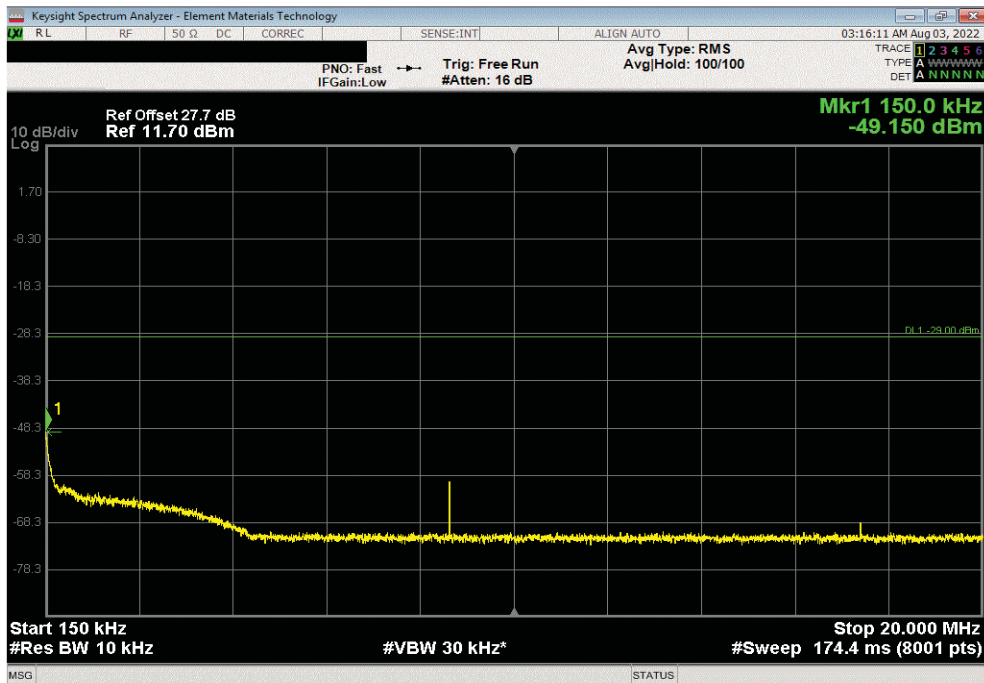


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.84	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-49.15	-29	Pass	

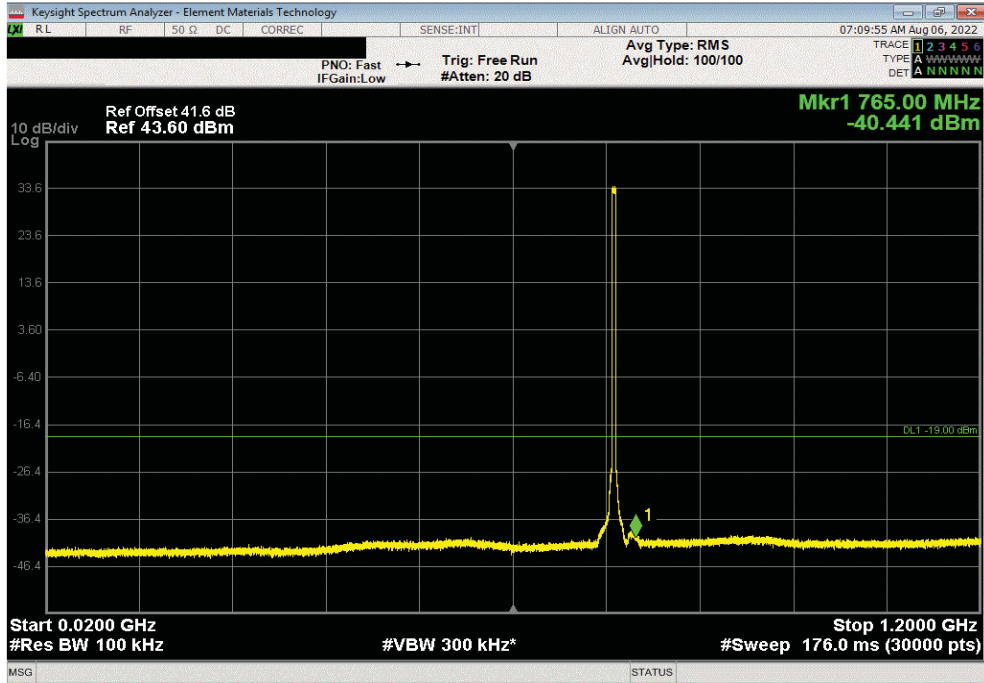


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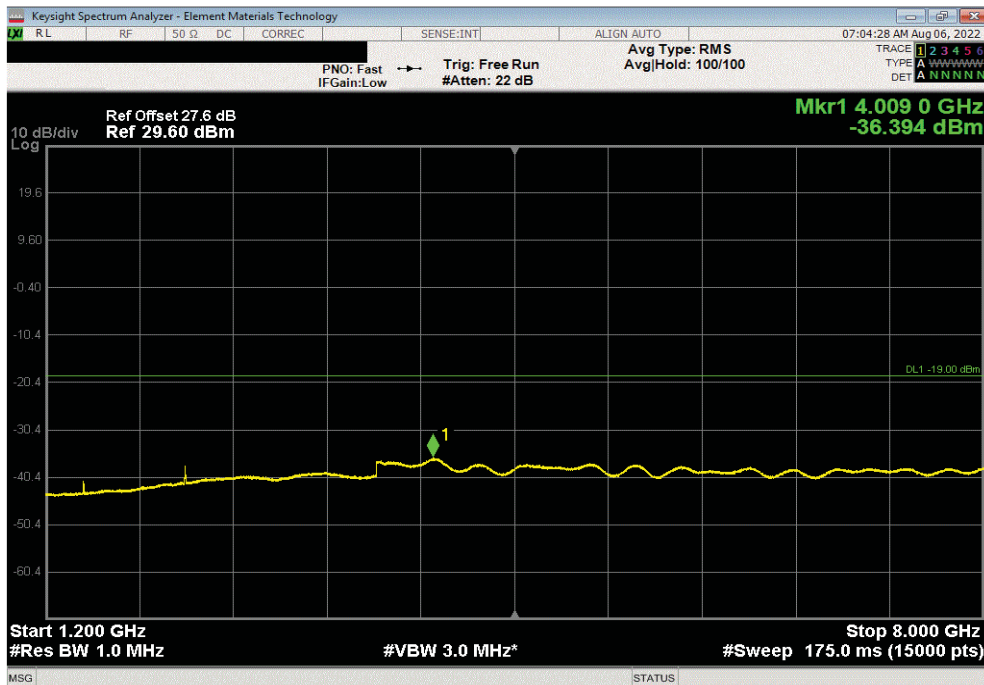


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-40.44	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4019.96	-36.4	-19	Pass



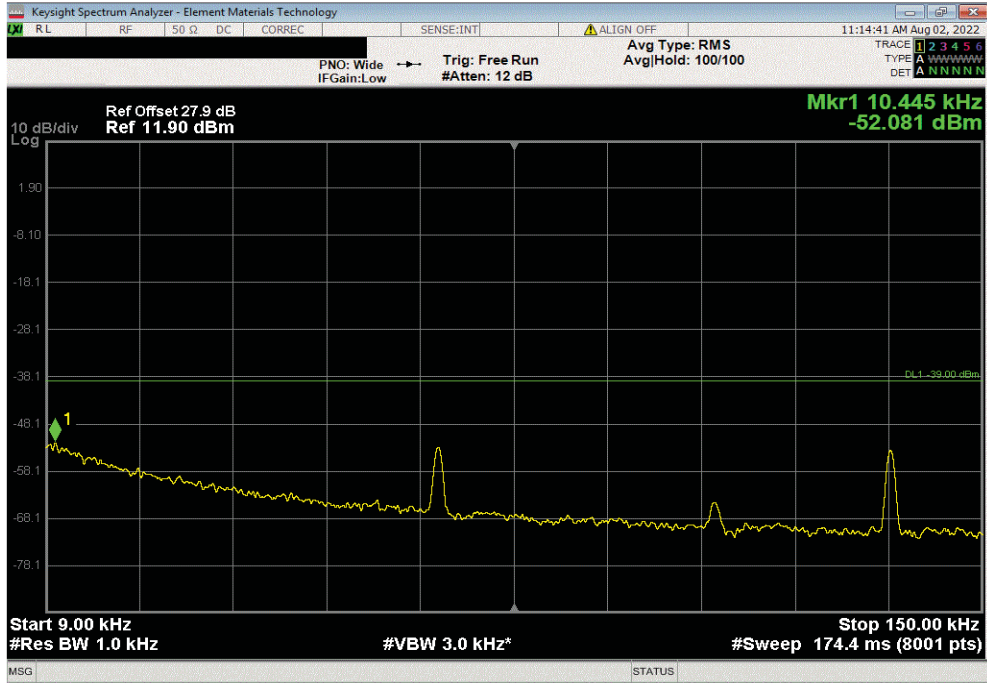


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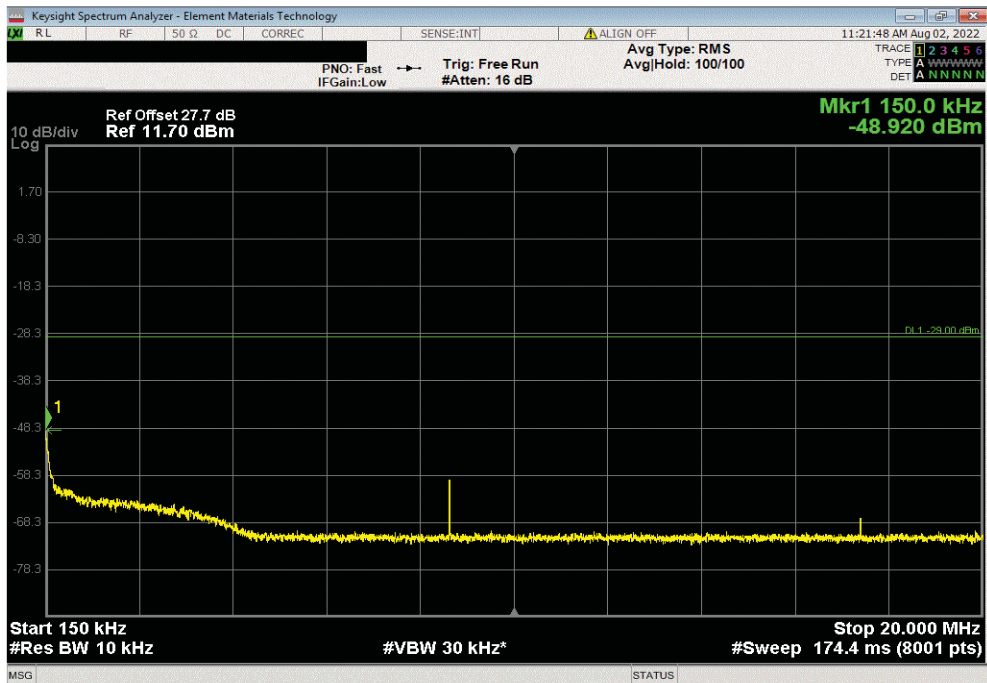


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-52.08	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.92	-29	Pass	

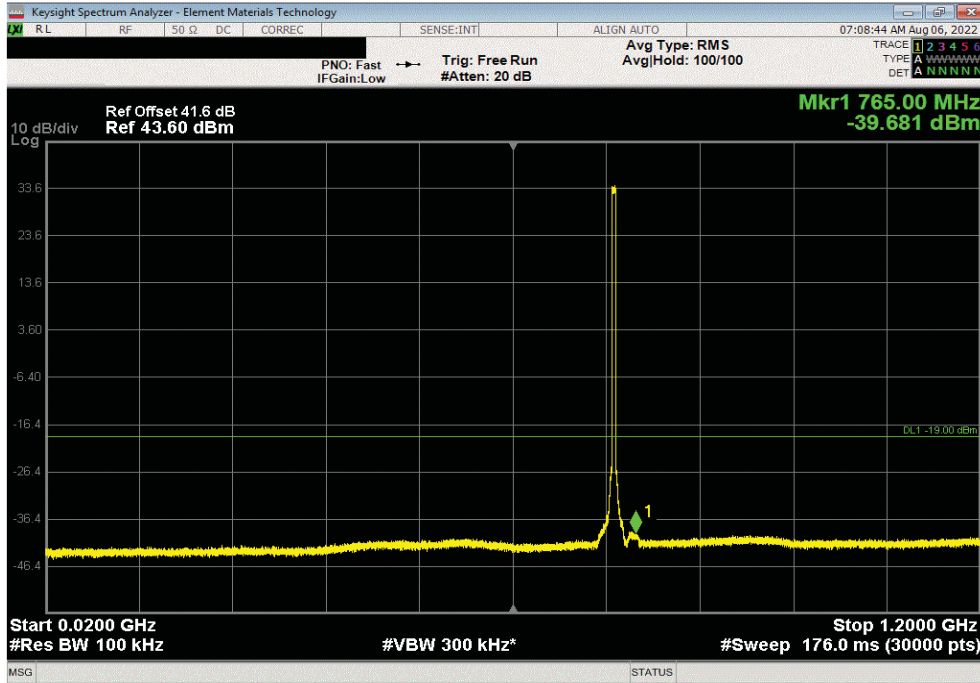


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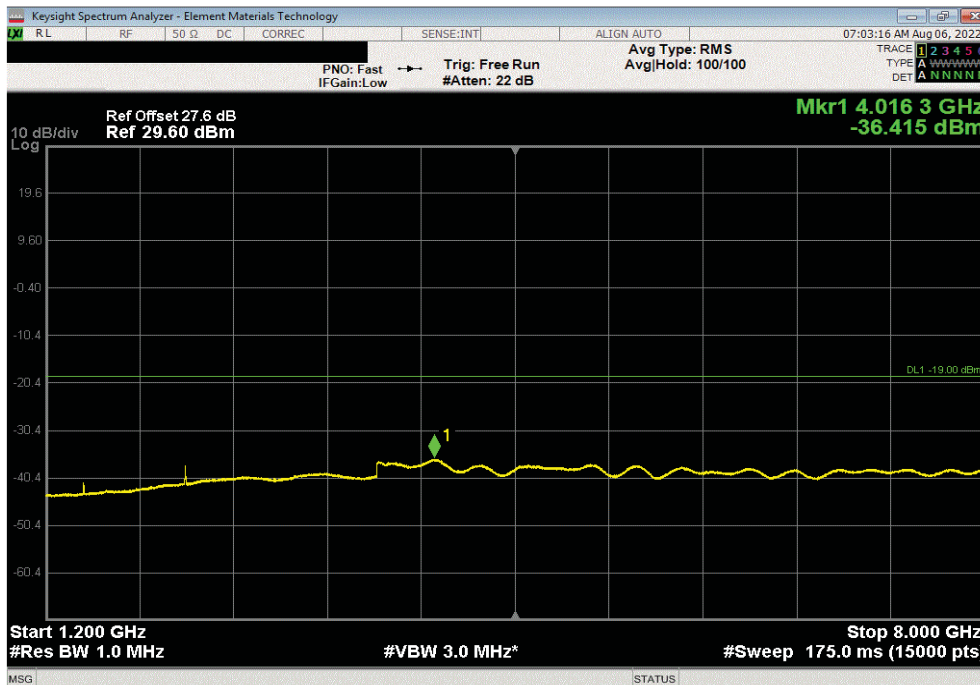


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-39.68	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4035.6	-36.42	-19	Pass

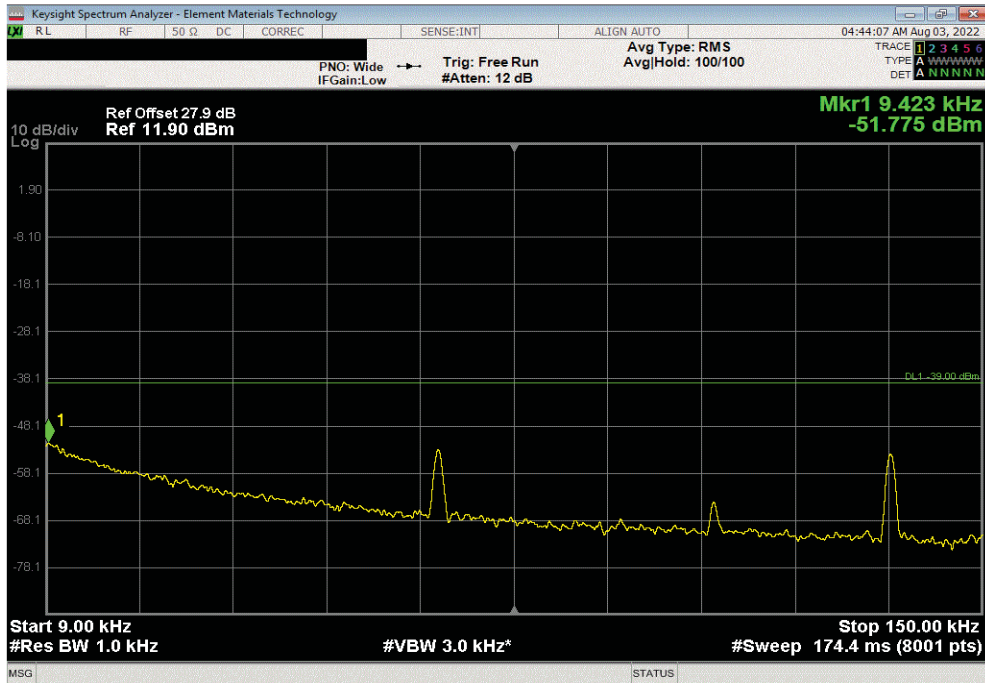


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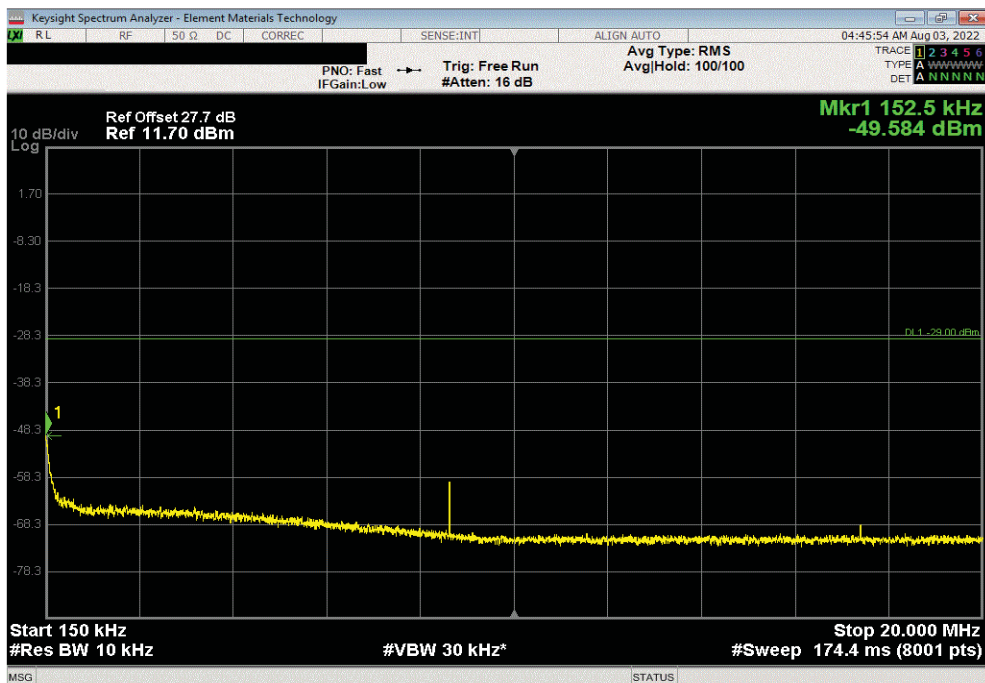


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.78	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-49.58	-29	Pass	

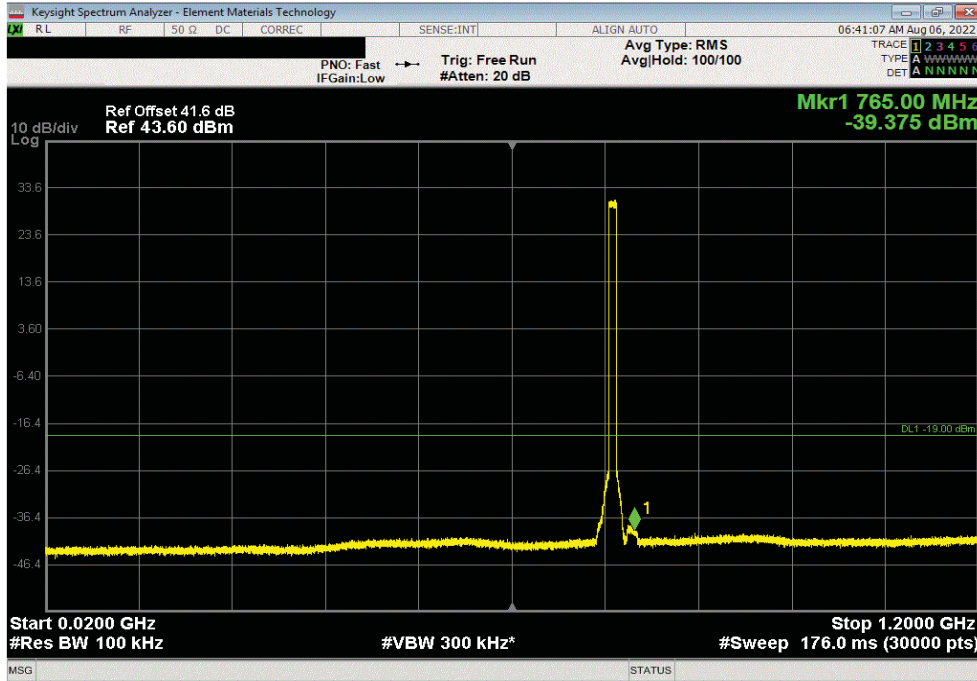


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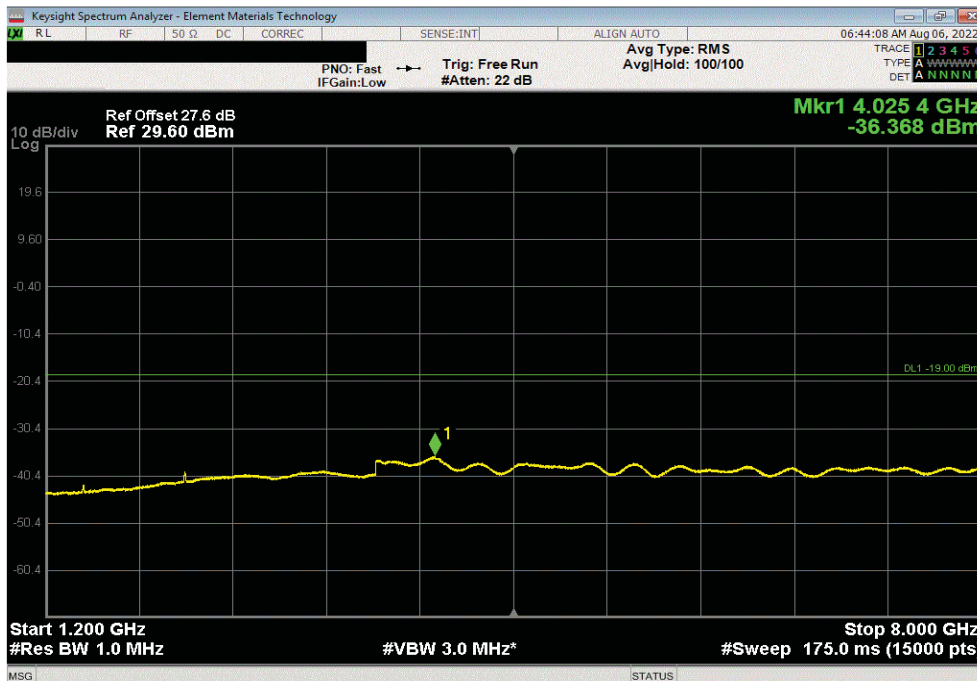


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-39.38	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4005	-36.37	-19	Pass

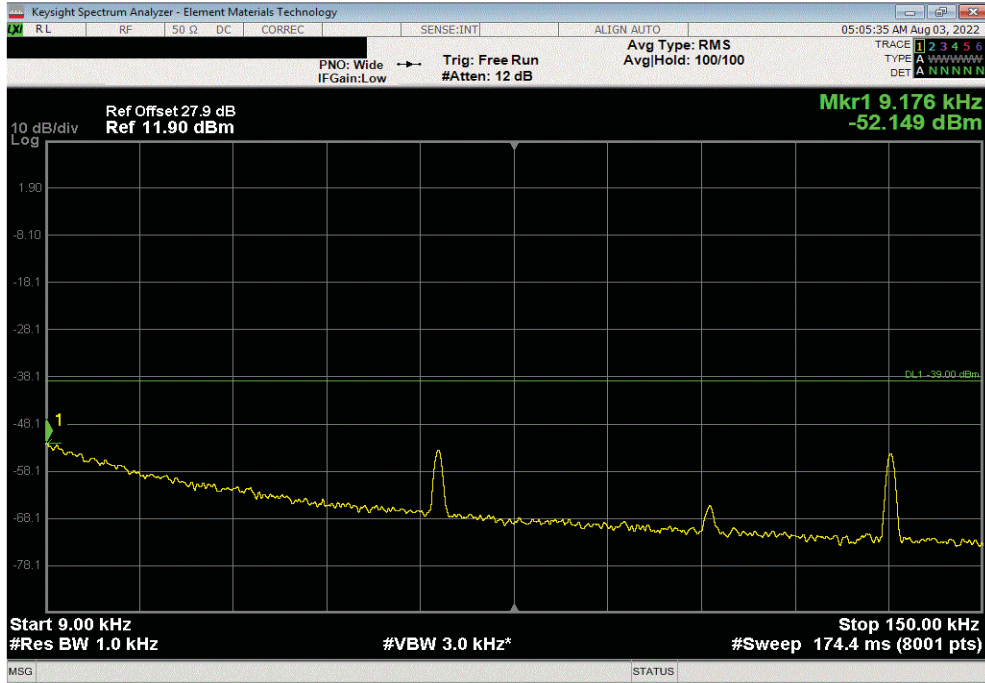


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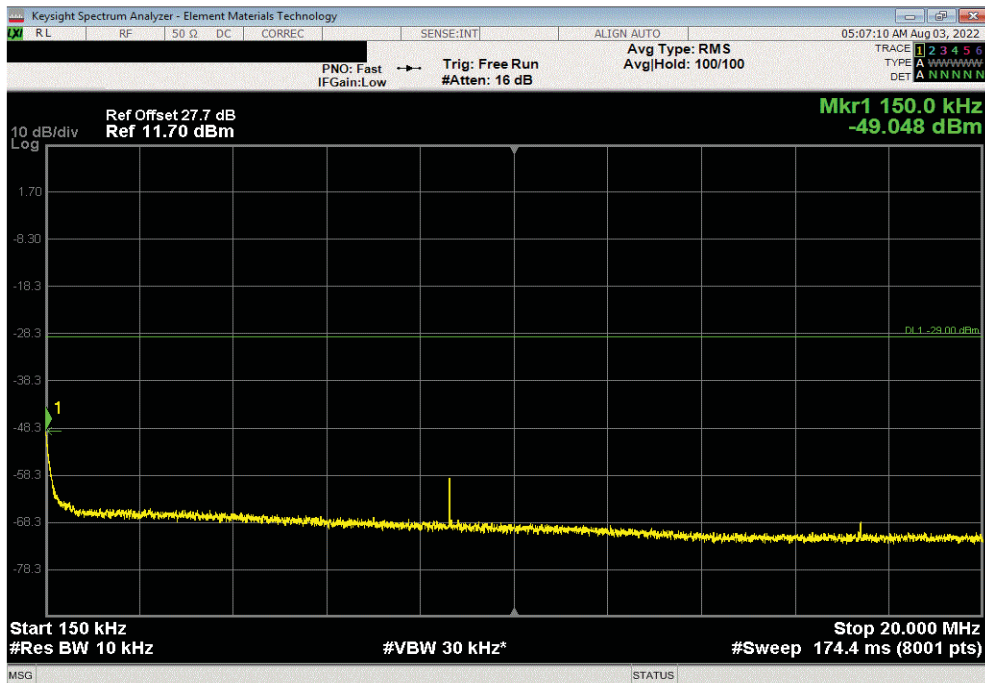


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-52.15	-39	Pass	



Port 1, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-49.05	-29	Pass	



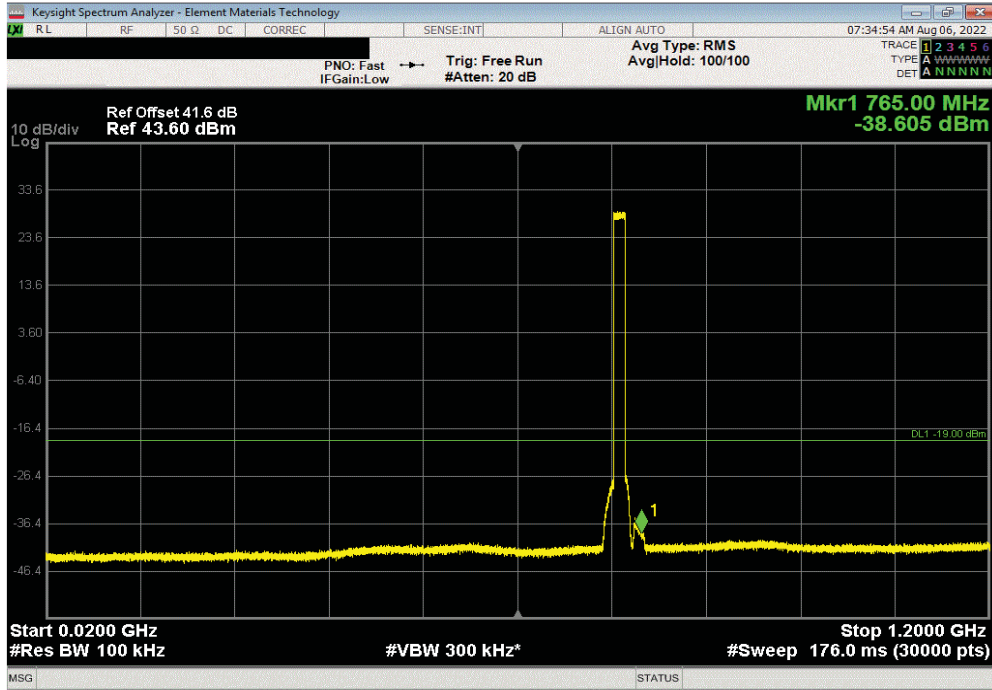


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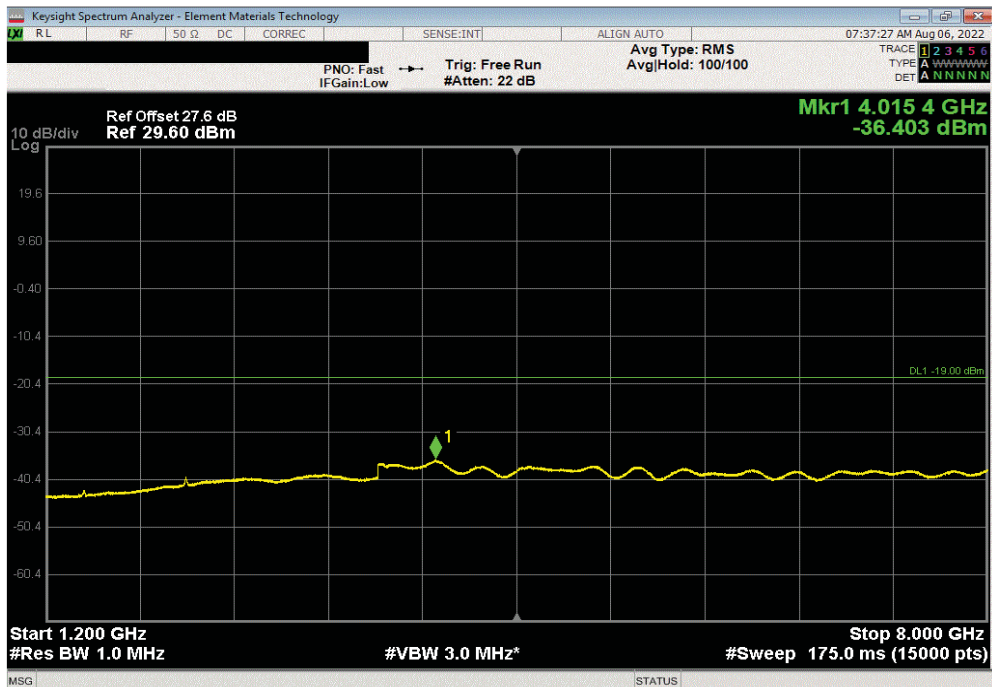


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 1, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-38.6	-19	Pass



Port 1, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4030.84	-36.41	-19	Pass

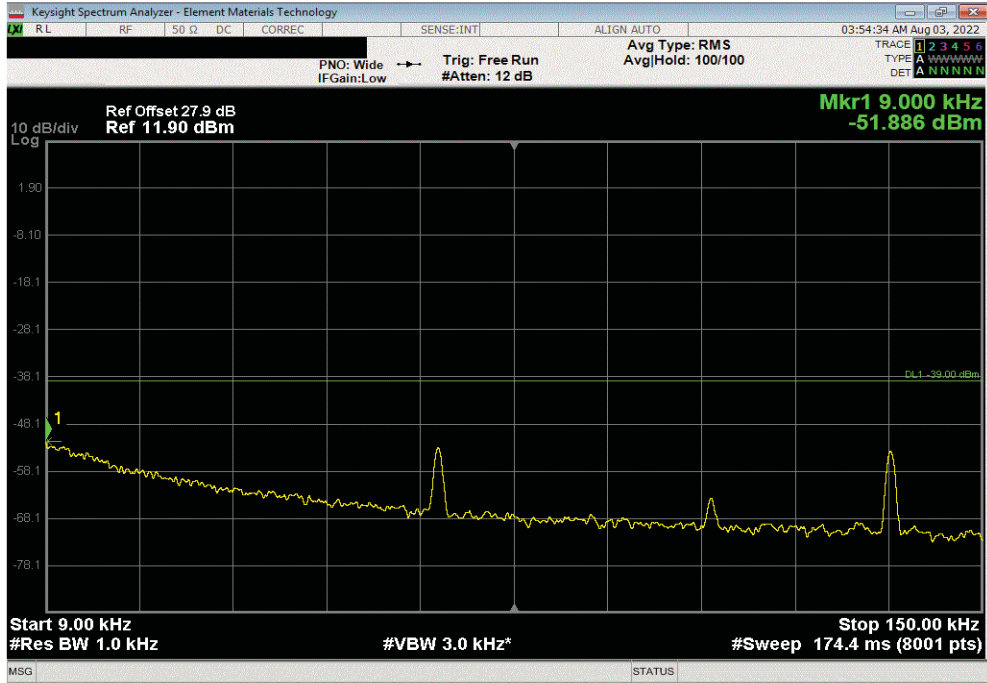


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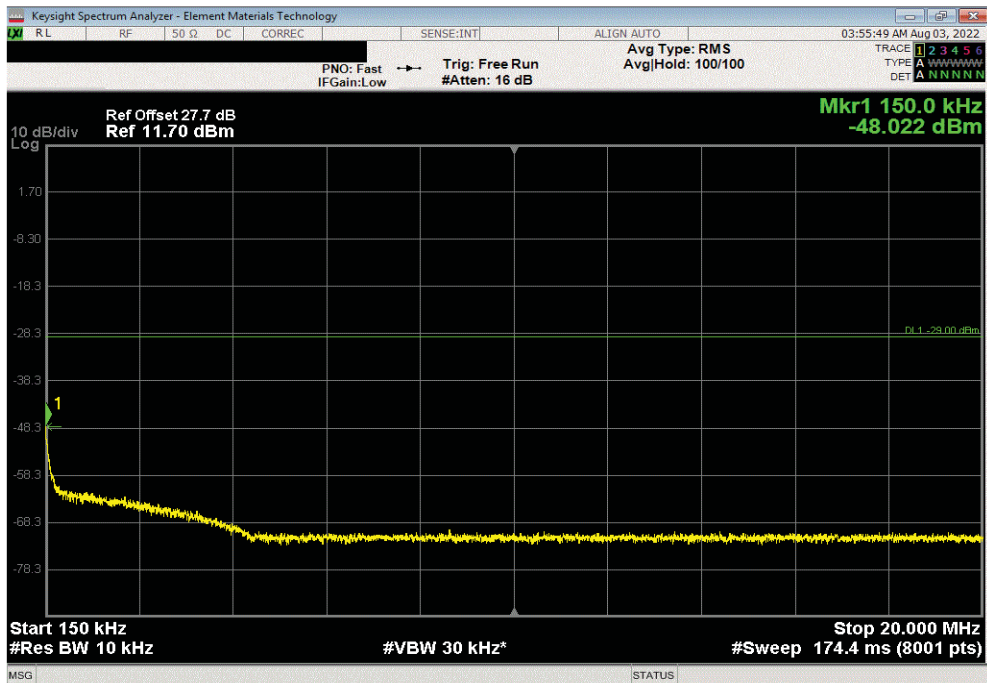


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.89	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.02	-29	Pass	

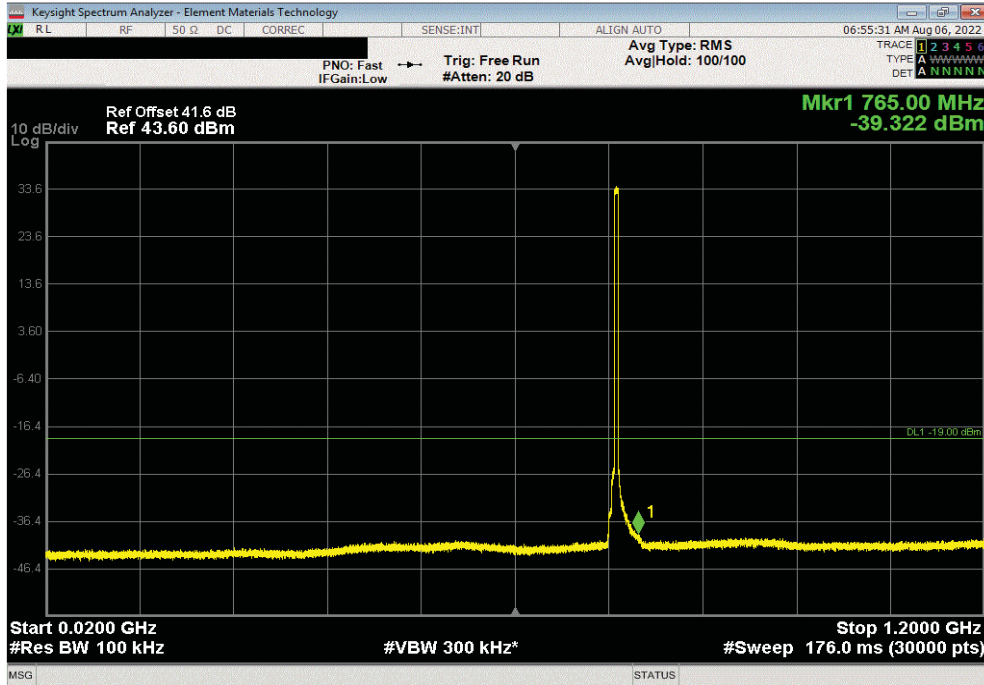


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

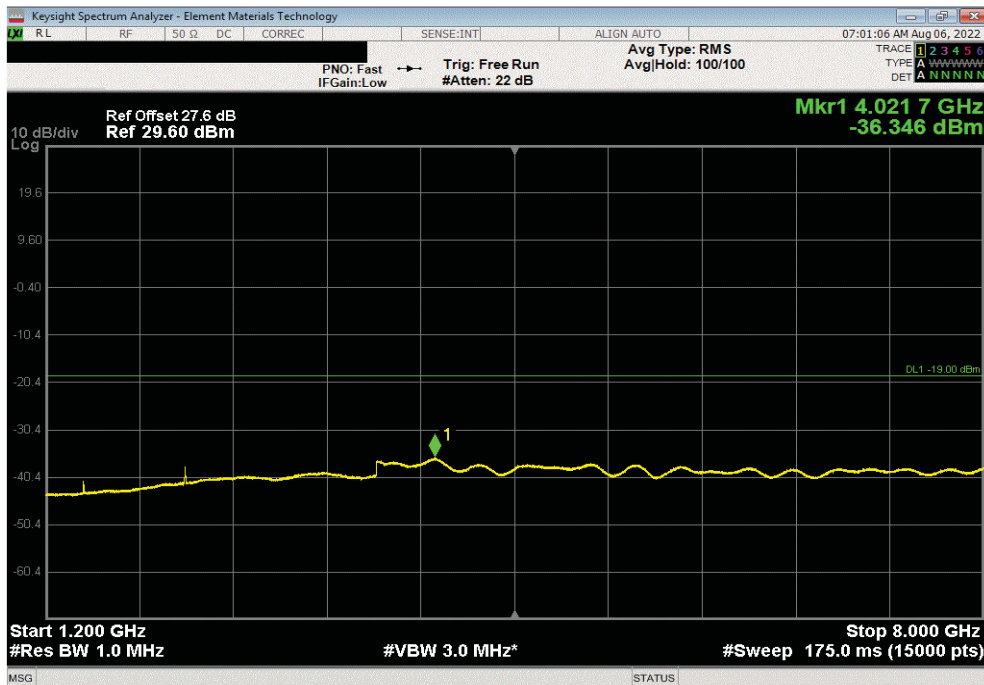


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-39.32	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, QPSK Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4005.68	-36.35	-19	Pass

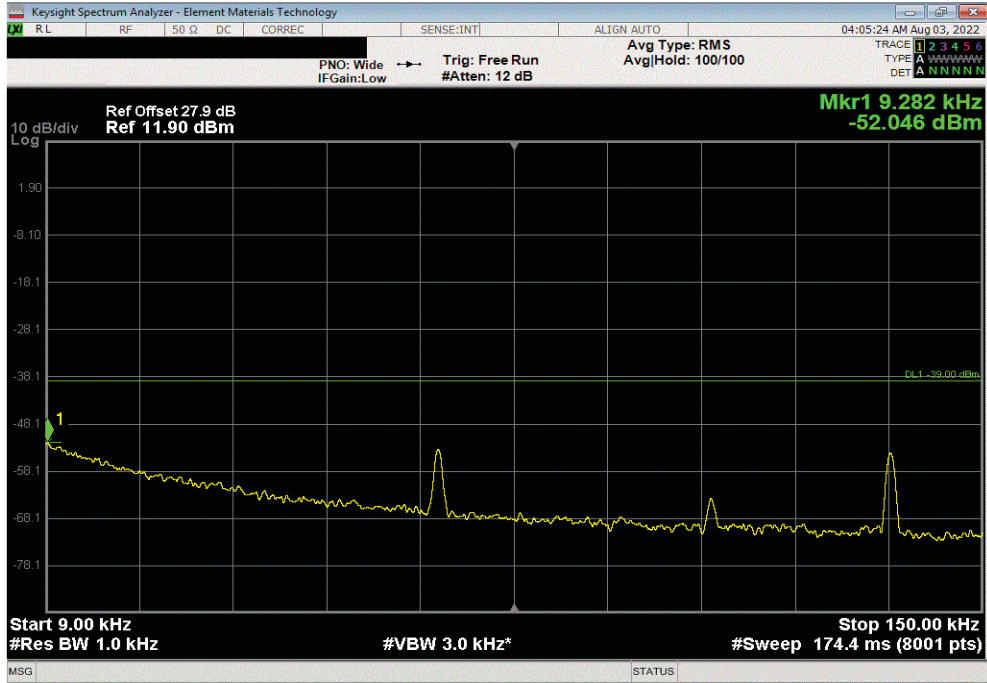


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

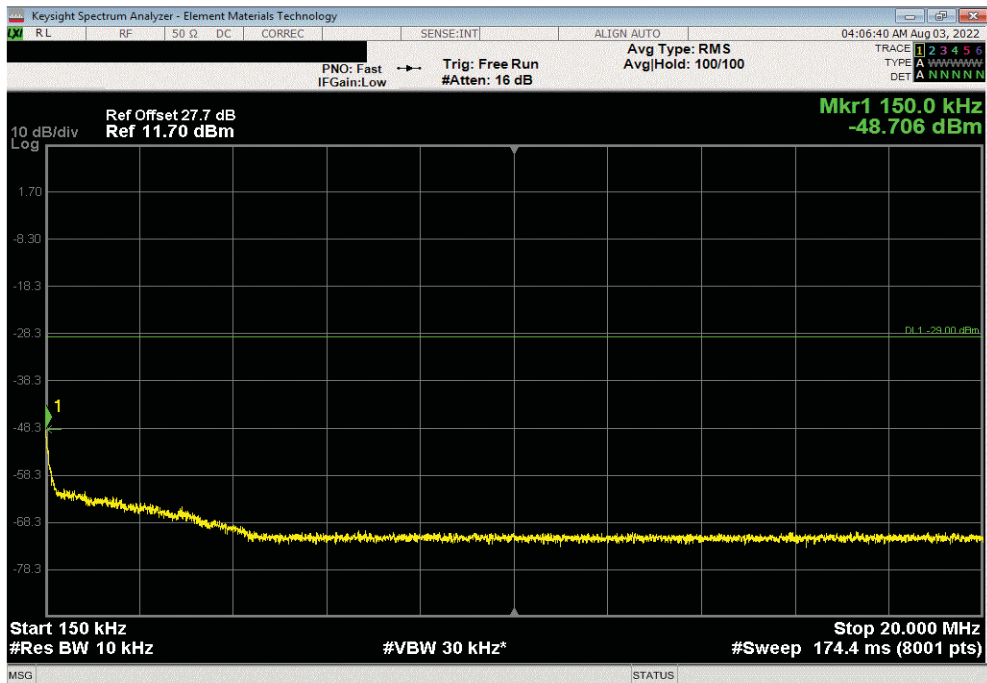


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-52.05	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.71	-29	Pass	

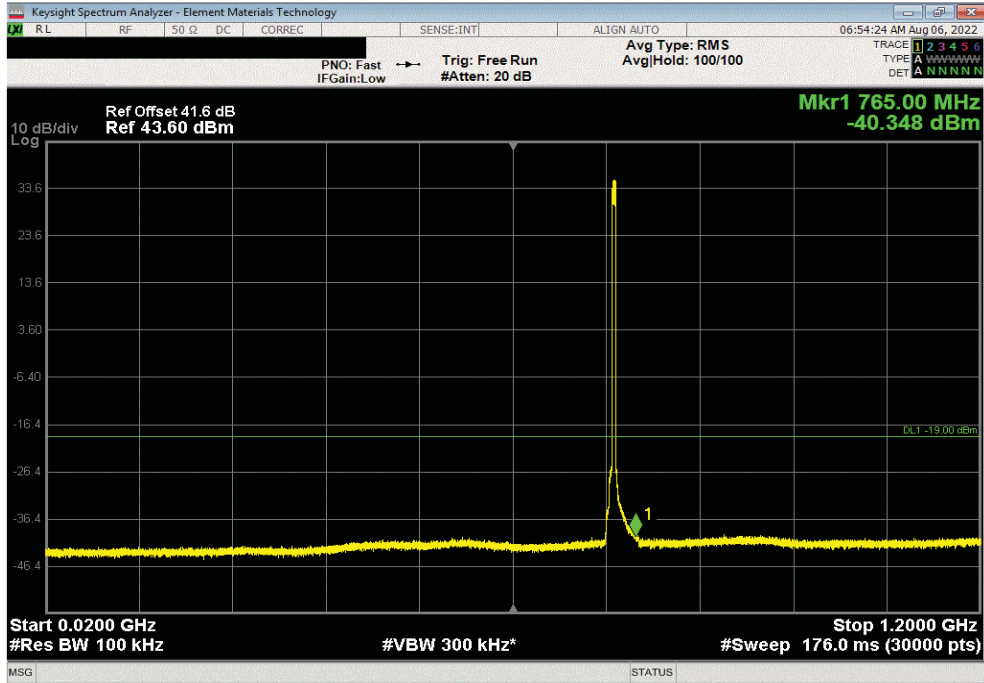


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

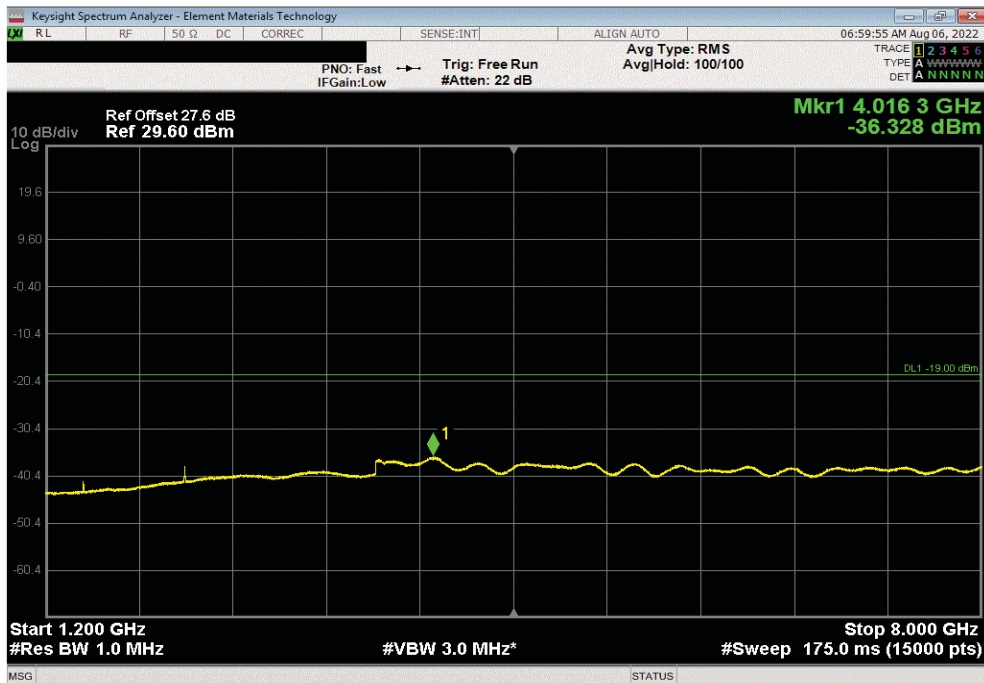


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-40.35	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 16QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4014.52	-36.33	-19	Pass



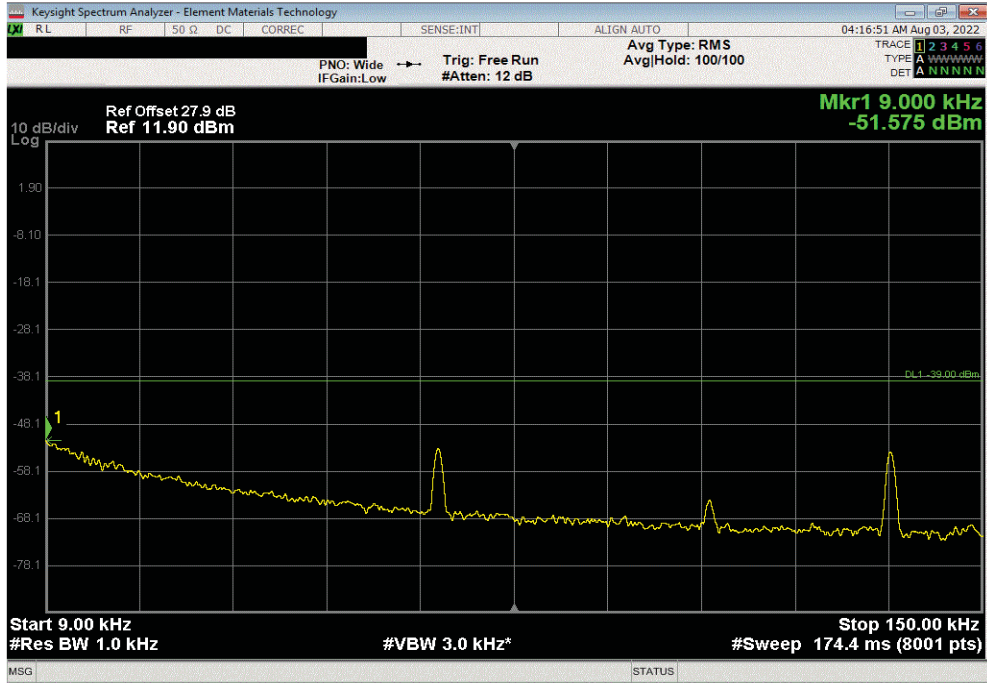


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

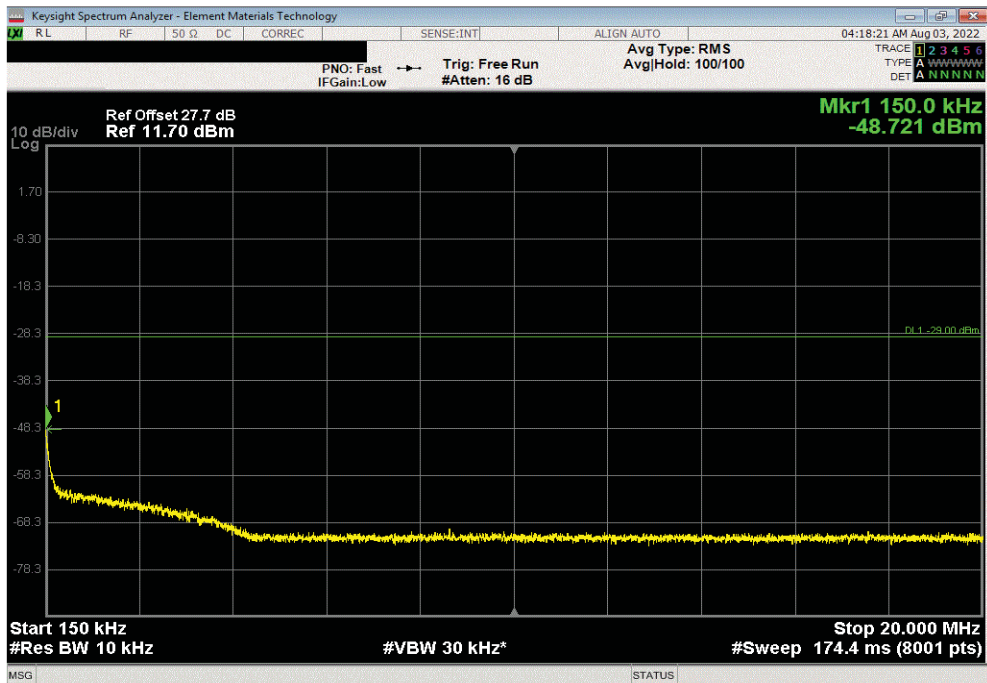


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.58	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.72	-29	Pass	

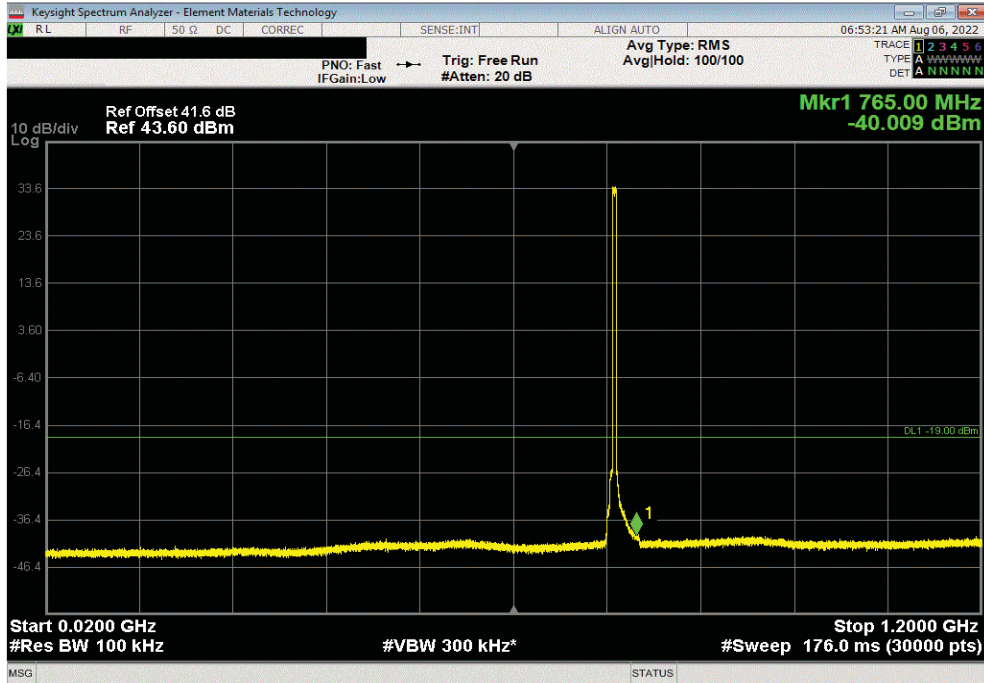


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

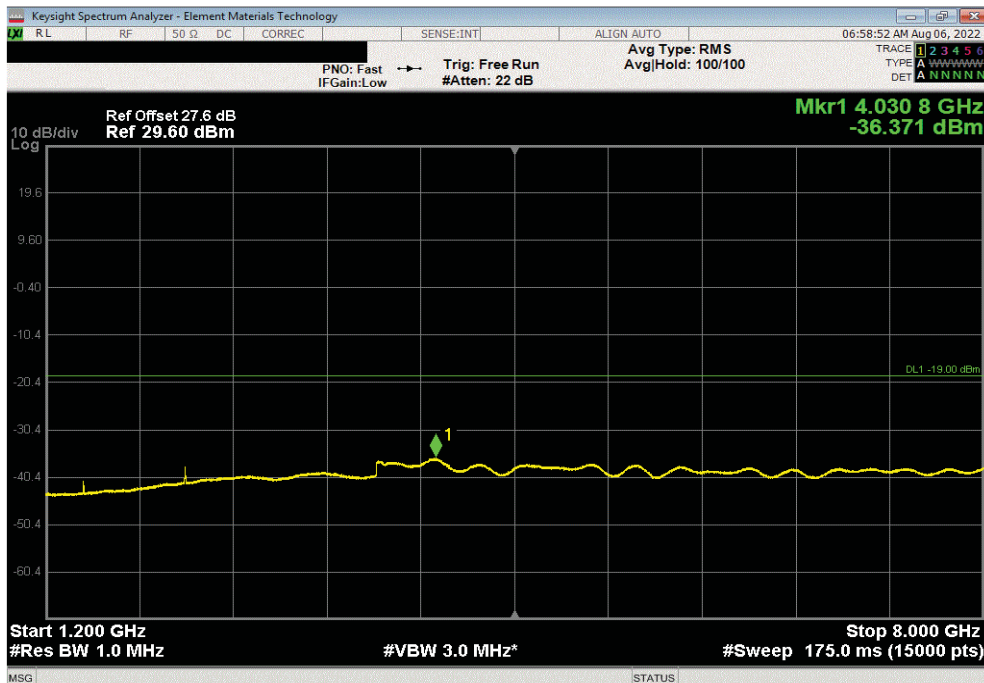


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-40.01	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 64QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4020.64	-36.37	-19	Pass

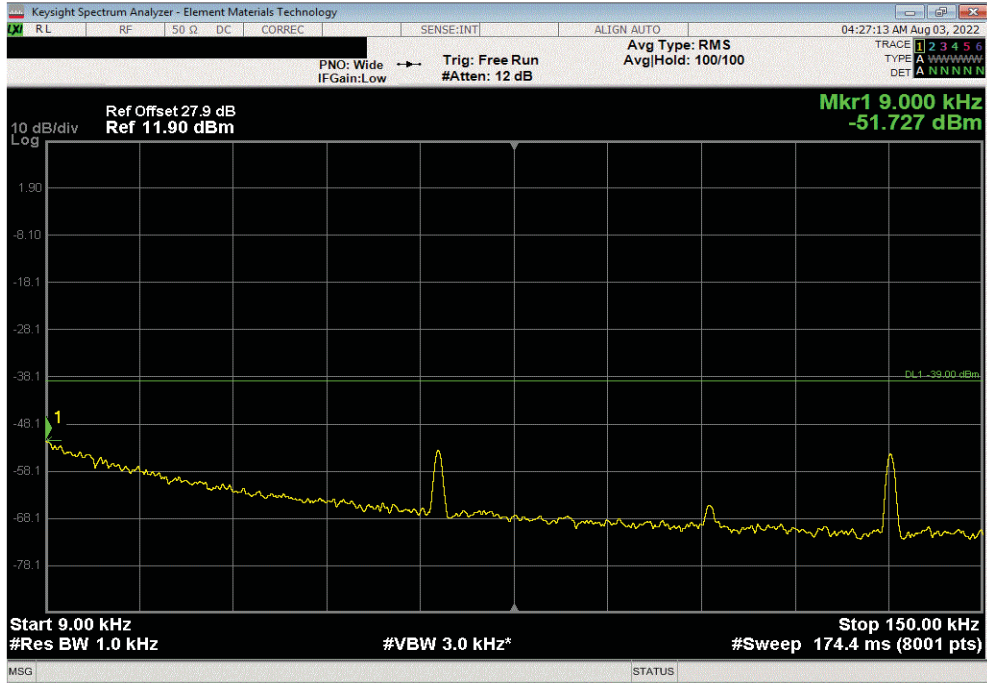


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

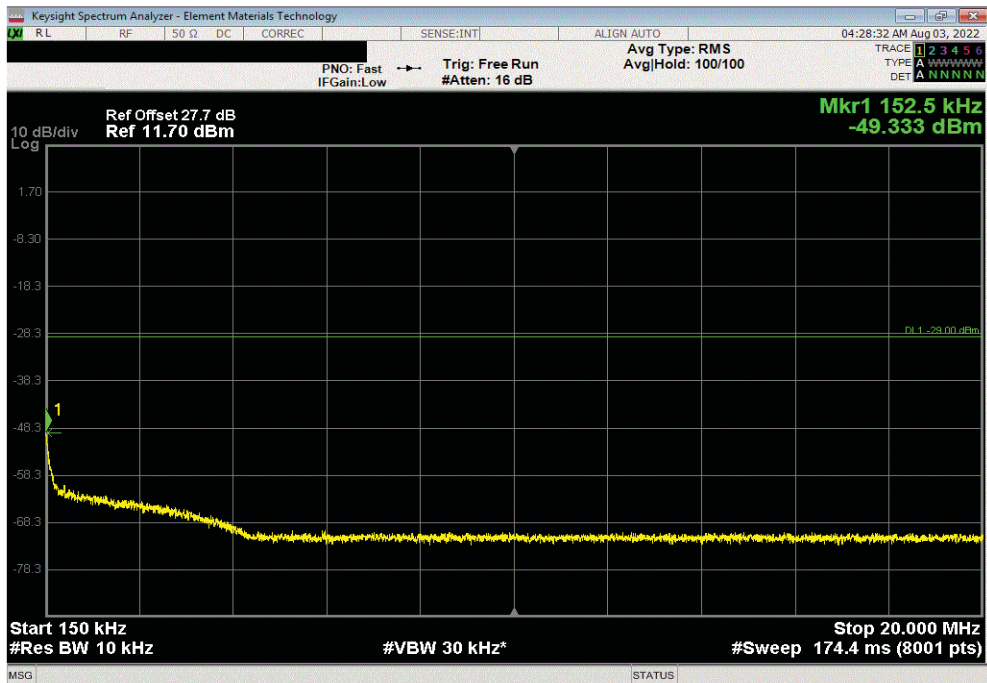


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.73	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-49.33	-29	Pass	

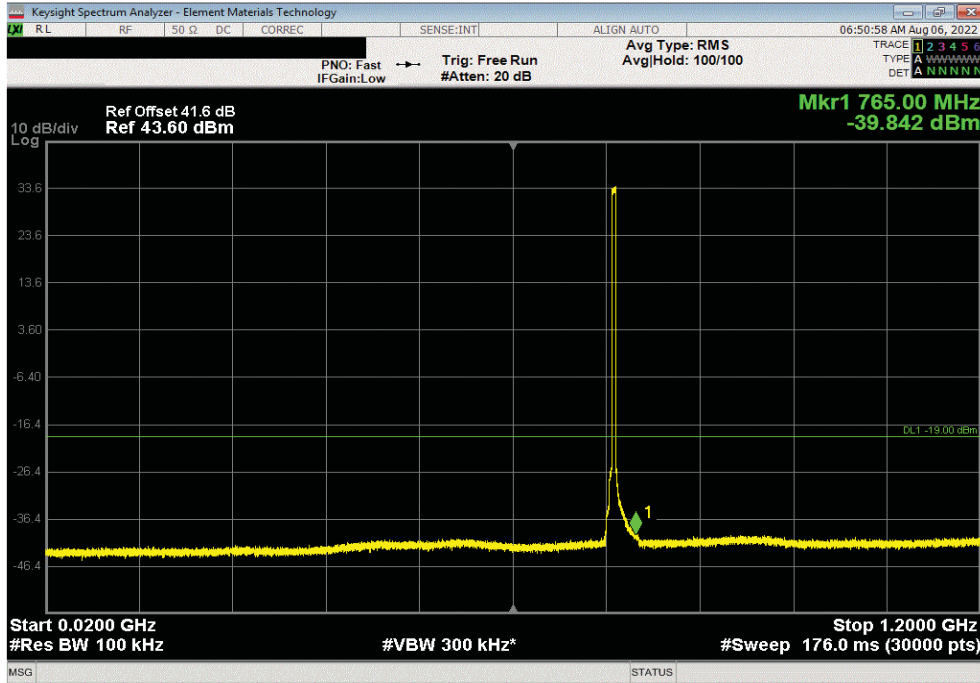


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

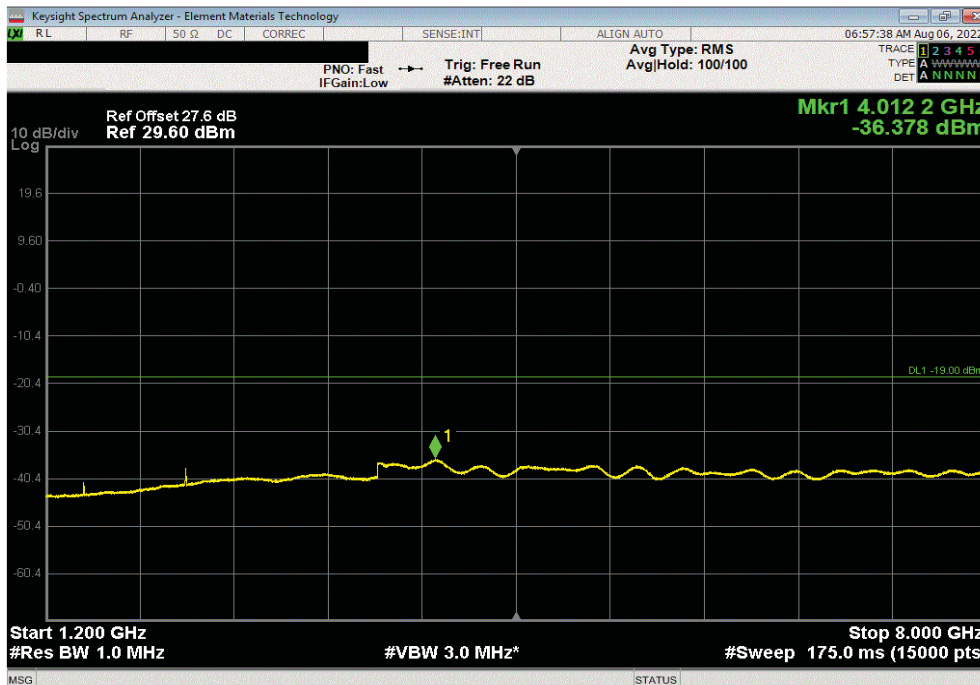


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-39.84	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 5 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4007.72	-36.38	-19	Pass

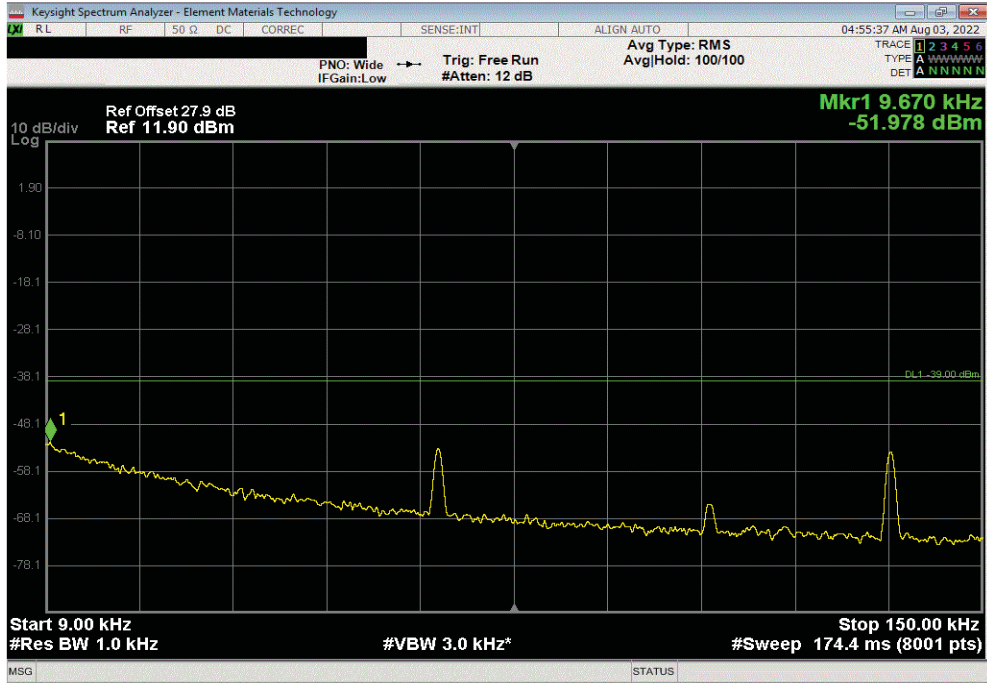


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

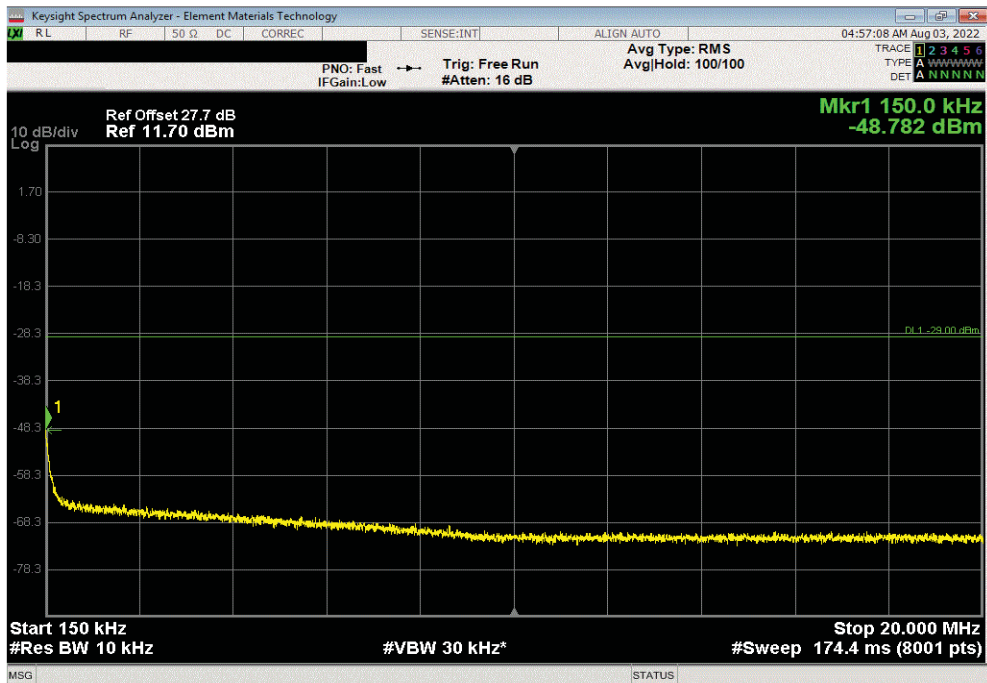


TbTx 2022.05.02.0 XMI 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.98	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-48.78	-29	Pass	



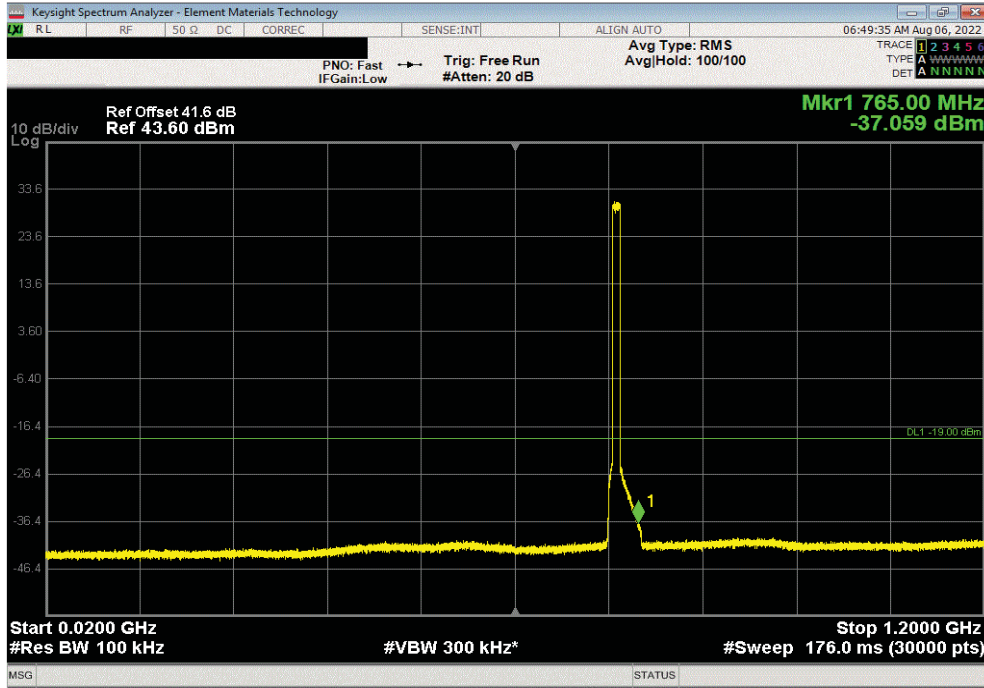


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

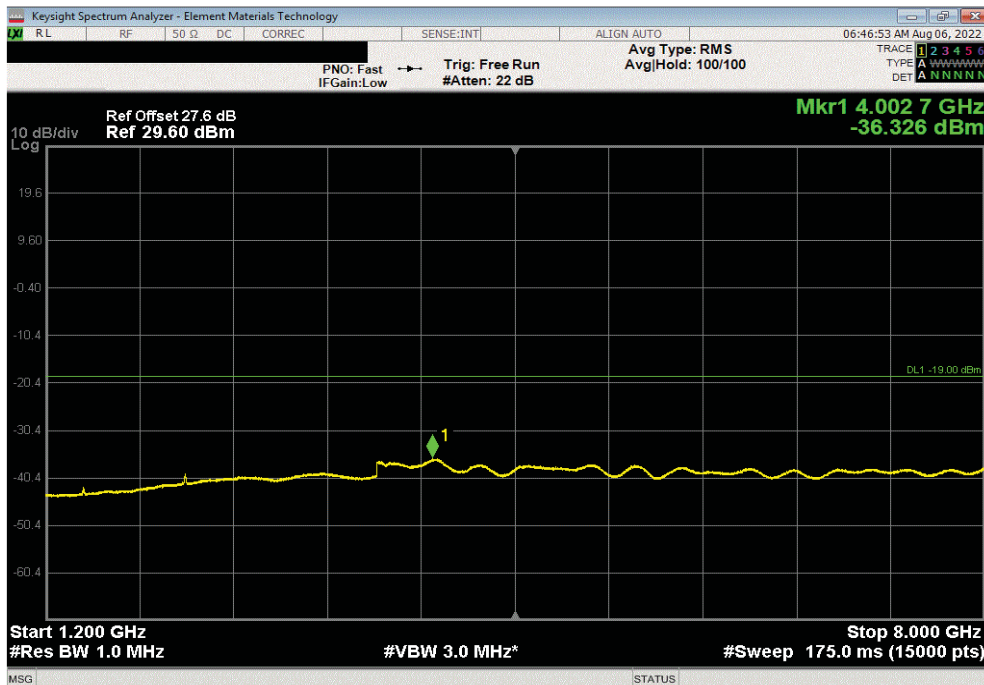


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-37.06	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 10 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4013.16	-36.33	-19	Pass

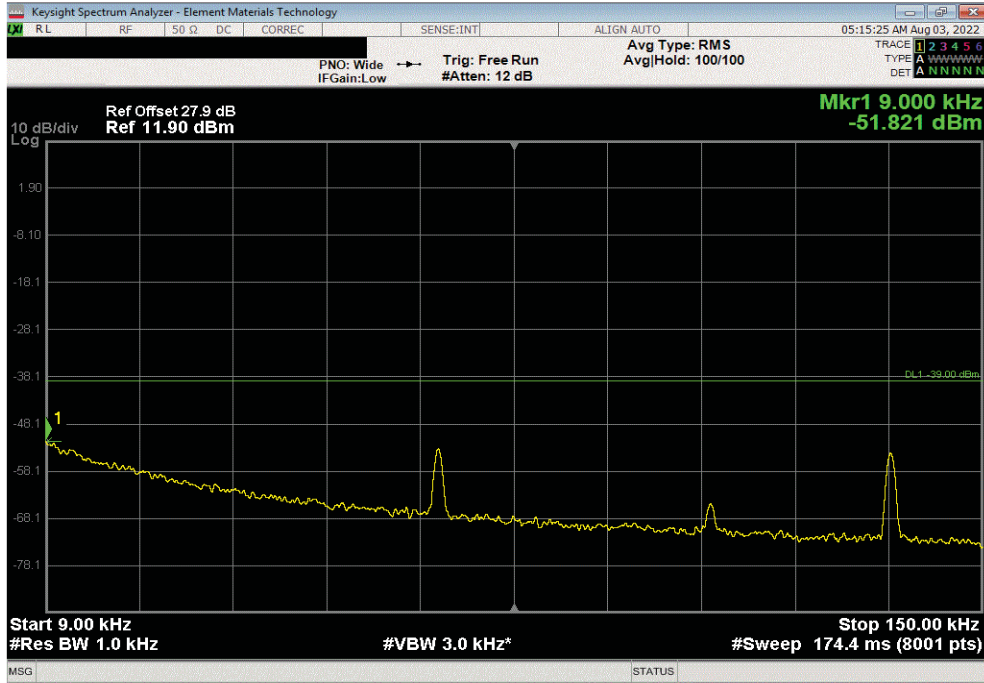


# SPURIOUS CONDUCTED EMISSIONS - BAND n12

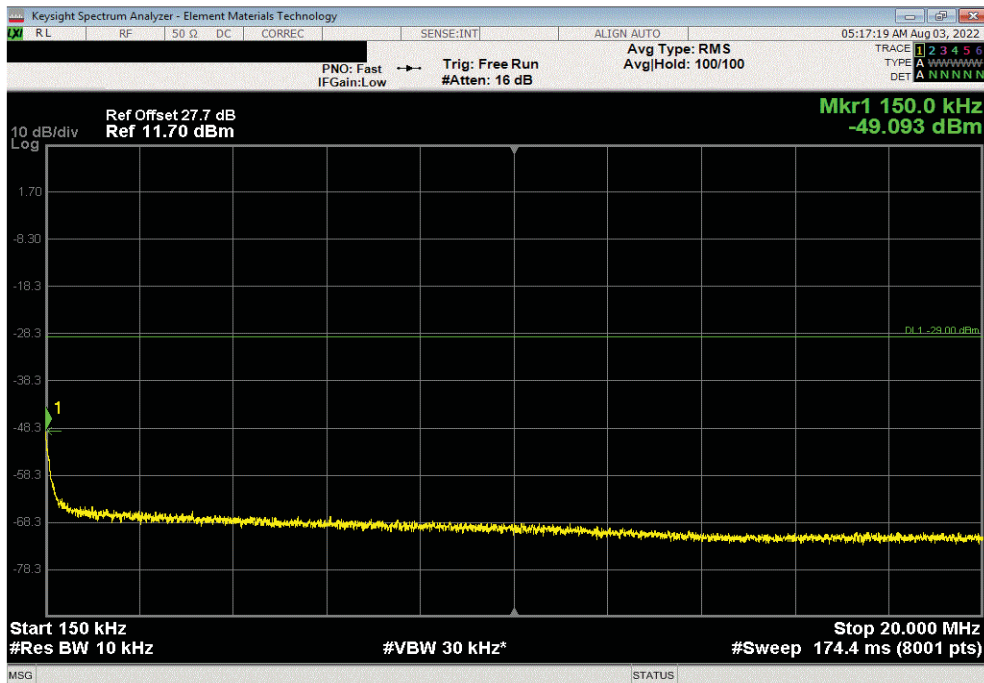


TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
9 kHz - 150 kHz	0.01	-51.82	-39	Pass	



Port 2, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz					
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result	
150 kHz - 20 MHz	0.15	-49.09	-29	Pass	

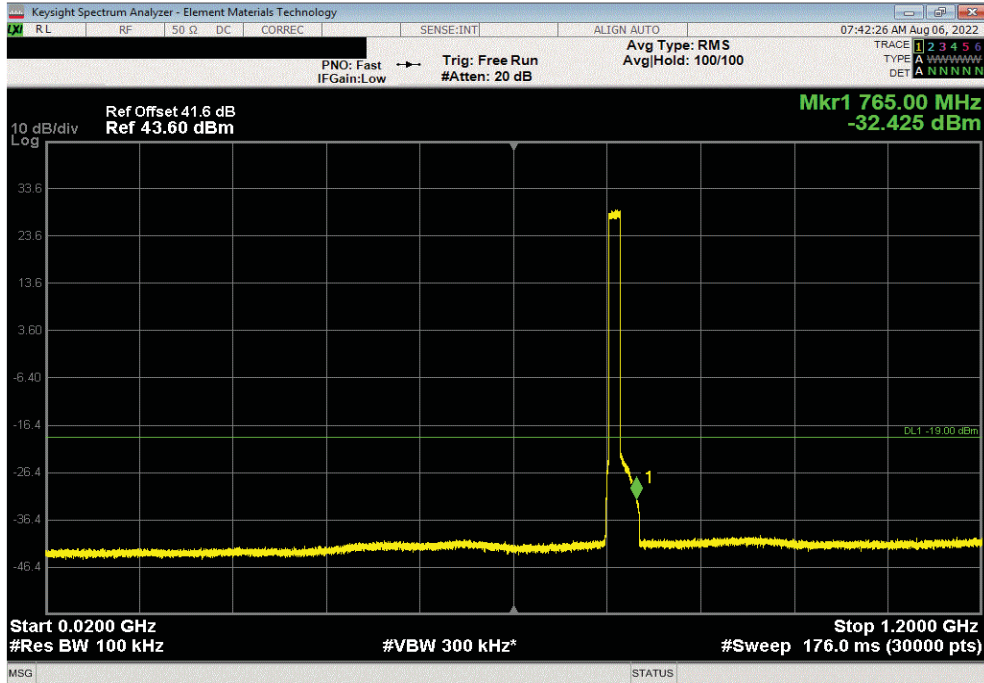


# SPURIOUS CONDUCTED EMISSIONS - BAND n12



TbTx 2022.05.02.0 XMit 2022.02.07.0

Port 2, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
20 MHz - 1.2 GHz	765	-32.43	-19	Pass



Port 2, Band n12, 729 - 745 Mhz, 15 MHz Bandwidth, 256QAM Modulation, Mid Channel, 737.0 MHz				
Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1.2 GHz - 8 GHz	4009.08	-36.4	-19	Pass

