

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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TstTx 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 				
		Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result

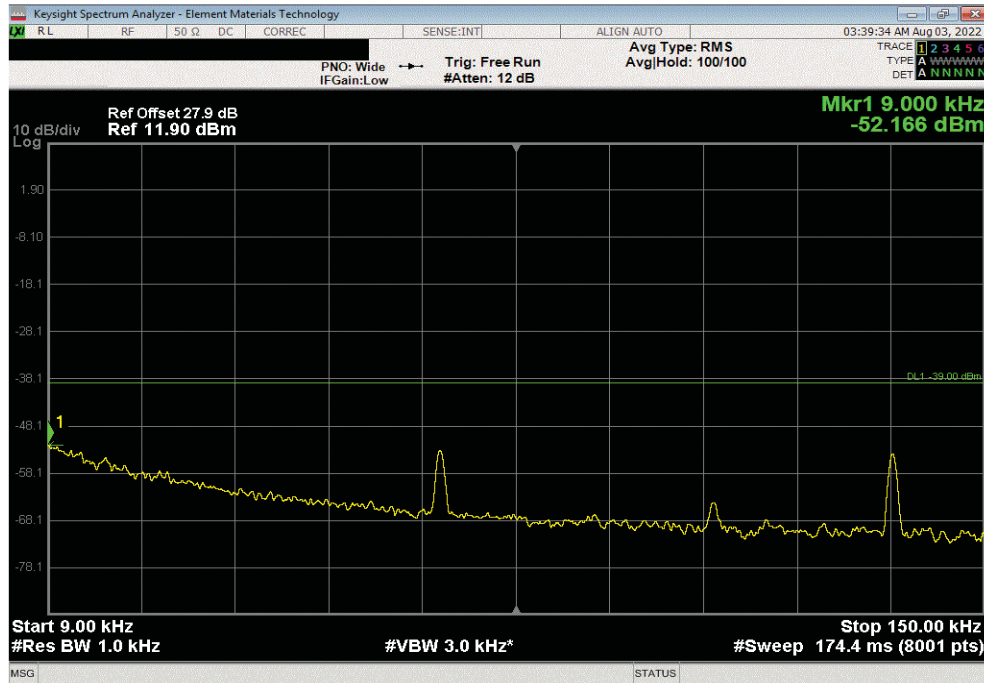
Port 1						
Band n12, 729 - 745 Mhz						
5 MHz Bandwidth						
QPSK Modulation						
	Mid Channel, 737.0 MHz	9 kHz - 150 kHz	0.01	-52.2	-39	Pass
	Mid Channel, 737.0 MHz	150 kHz - 20 MHz	0.15	-48.4	-29	Pass
	Mid Channel, 737.0 MHz	20 MHz - 1.2 GHz	765	-40.7	-19	Pass
	Mid Channel, 737.0 MHz	1.2 GHz - 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	Pass
	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

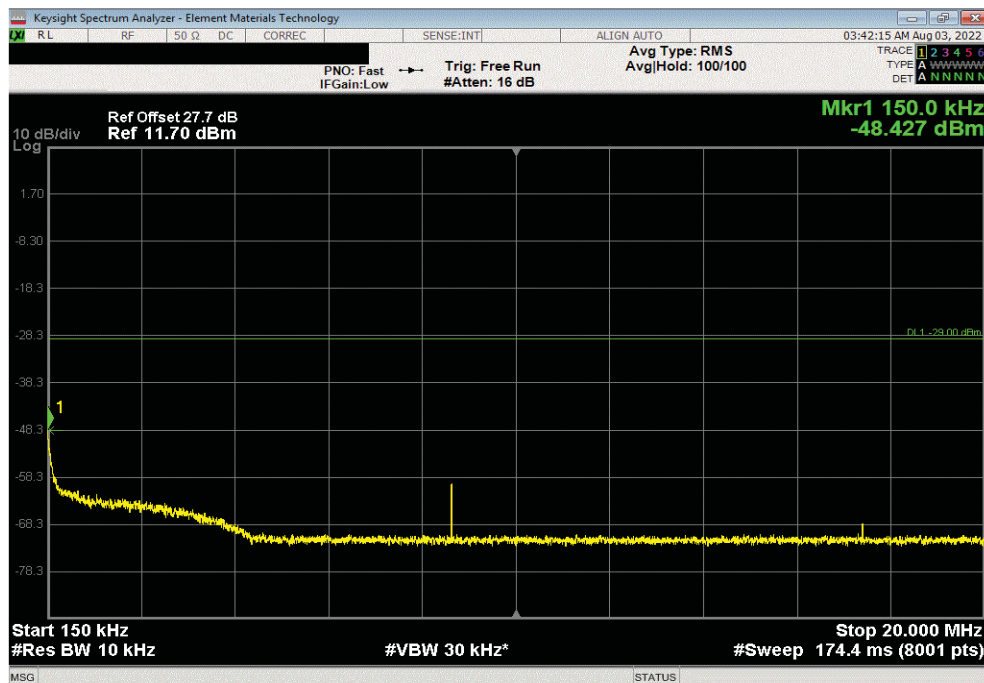


TbTx 2022.05.02.0 XMt 2022.02.07.0

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	

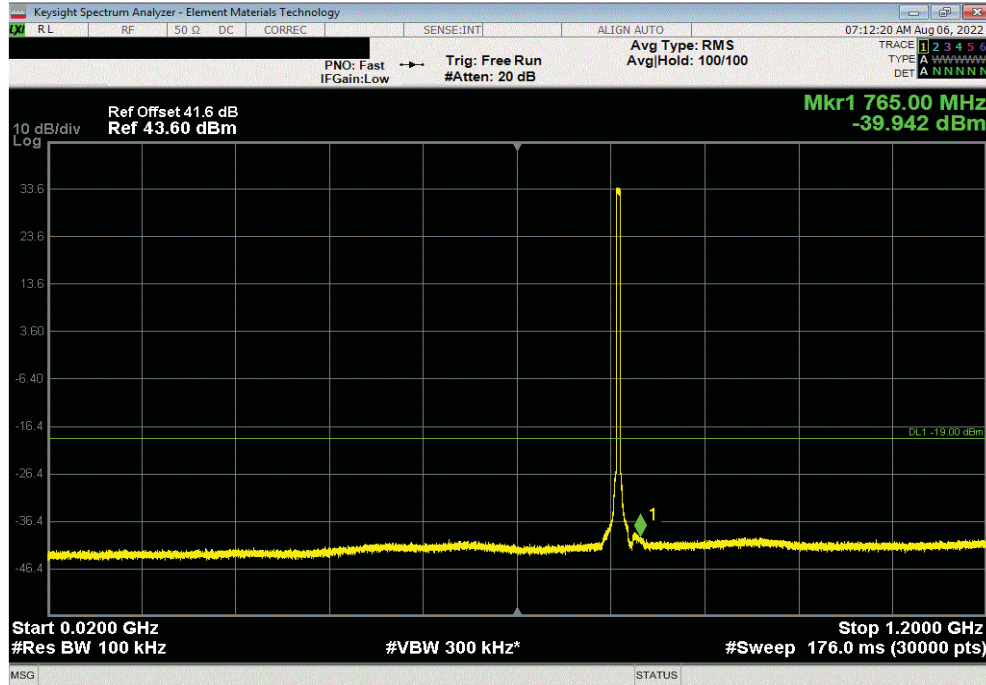


SPURIOUS CONDUCTED EMISSIONS - BAND n12

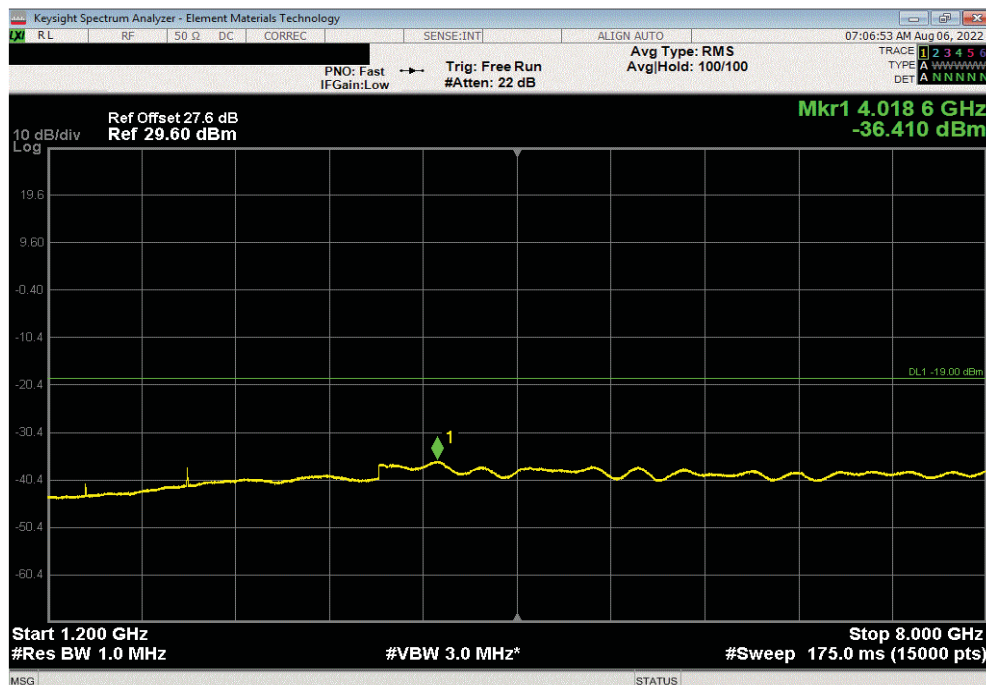


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	

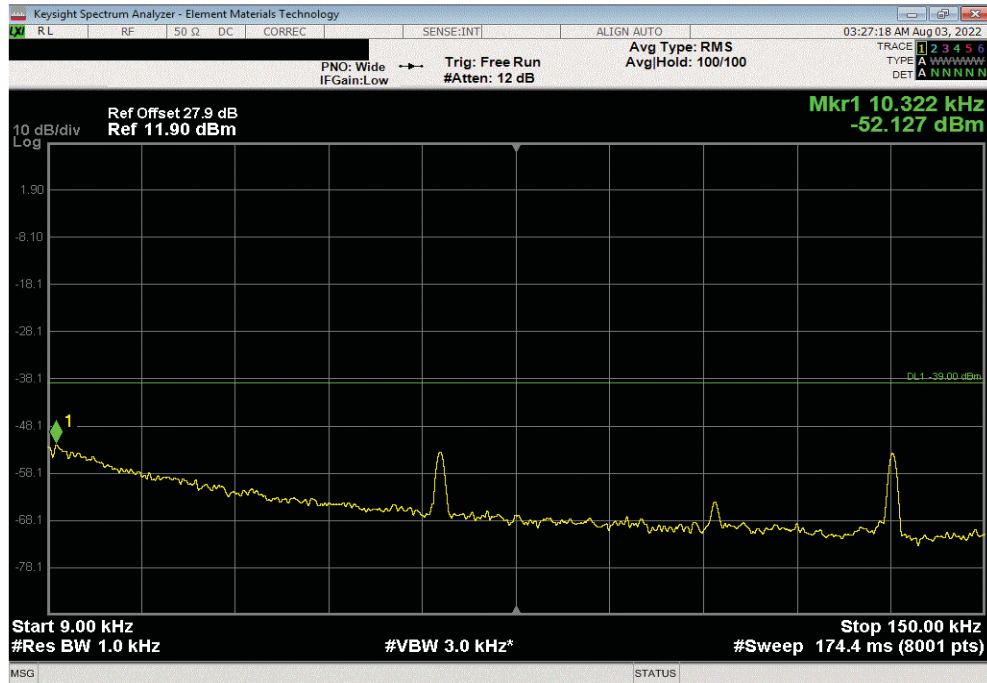


SPURIOUS CONDUCTED EMISSIONS - BAND n12

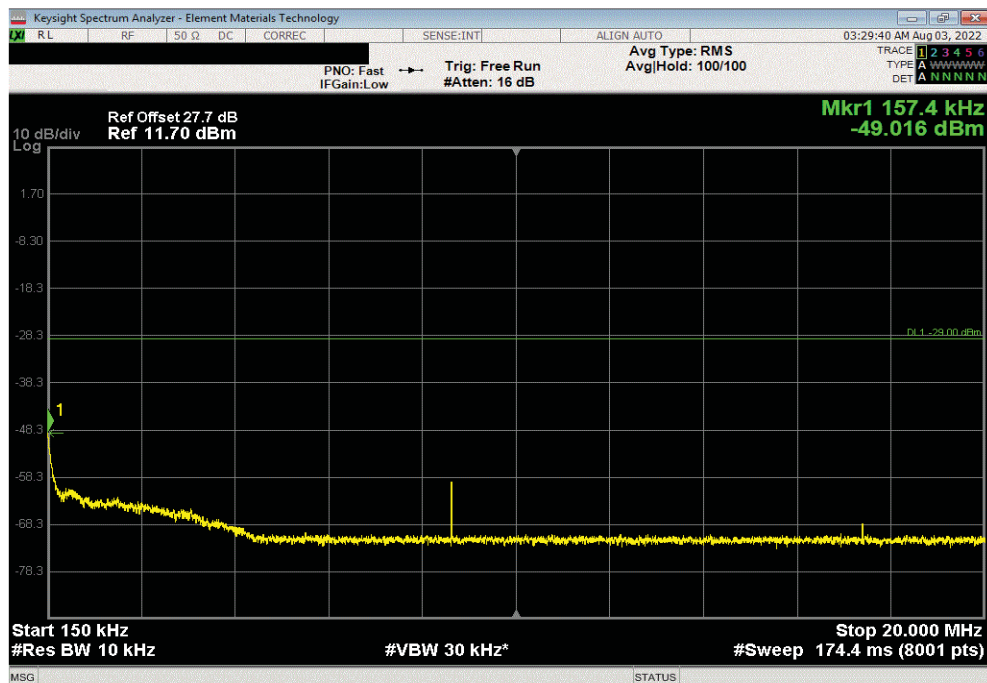


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

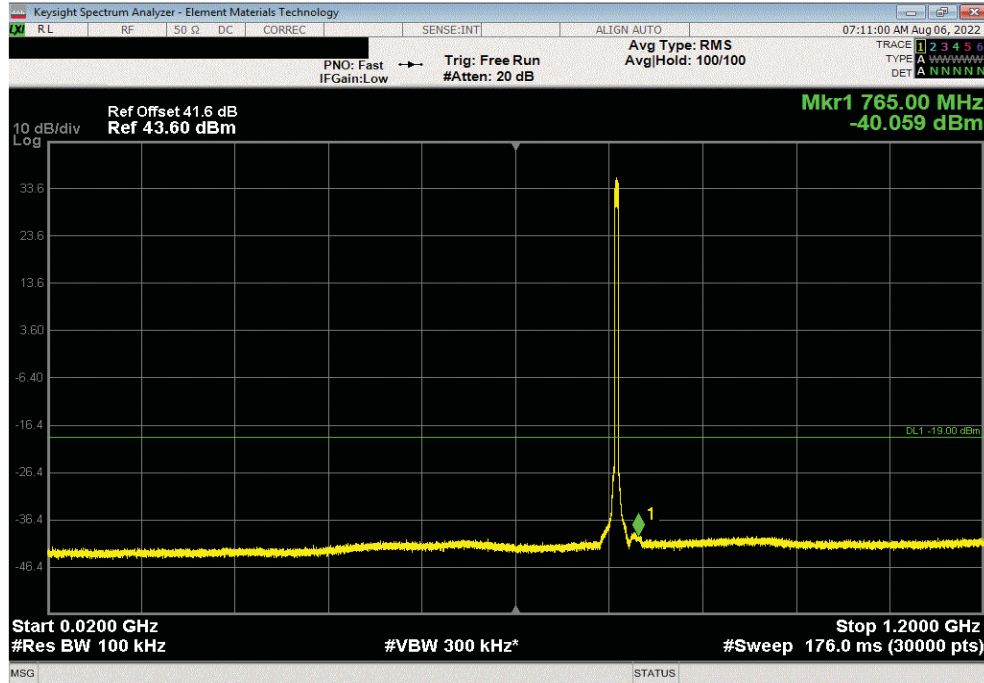


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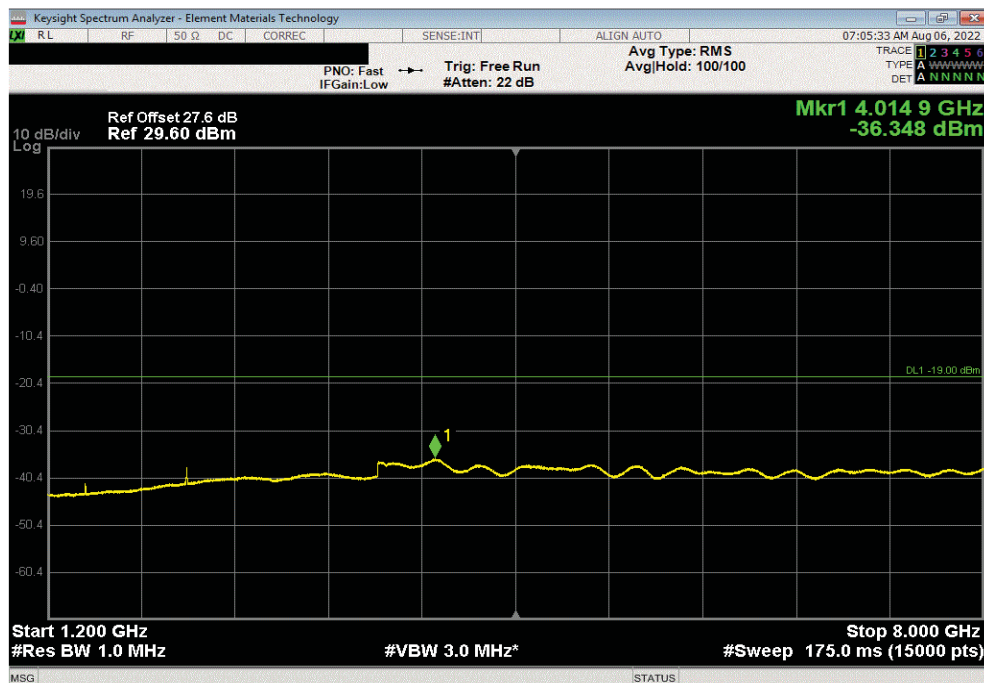


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	

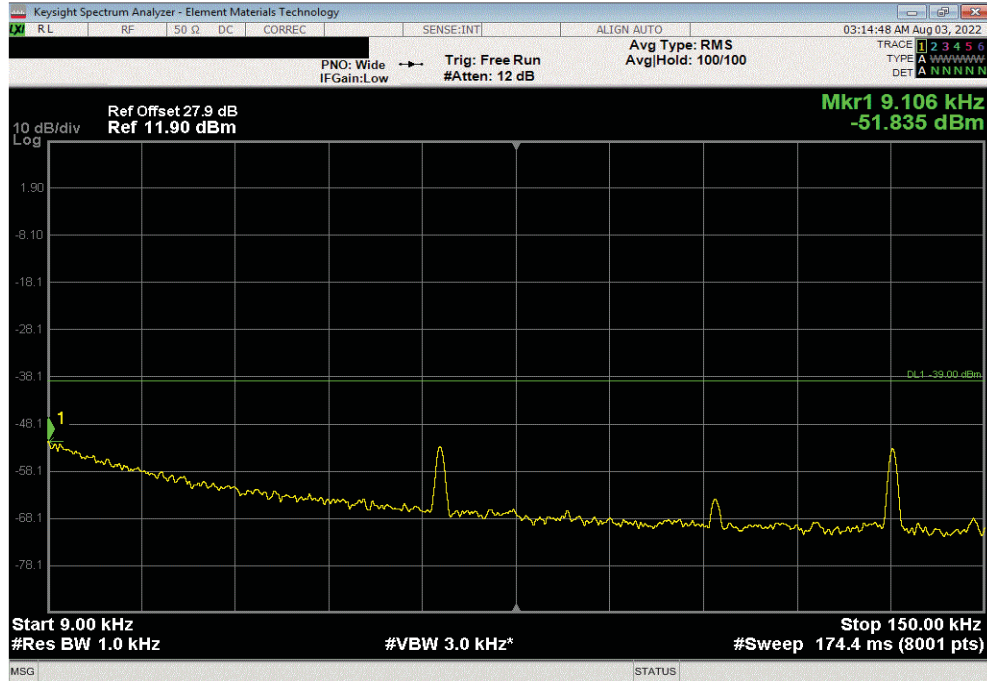


SPURIOUS CONDUCTED EMISSIONS - BAND n12

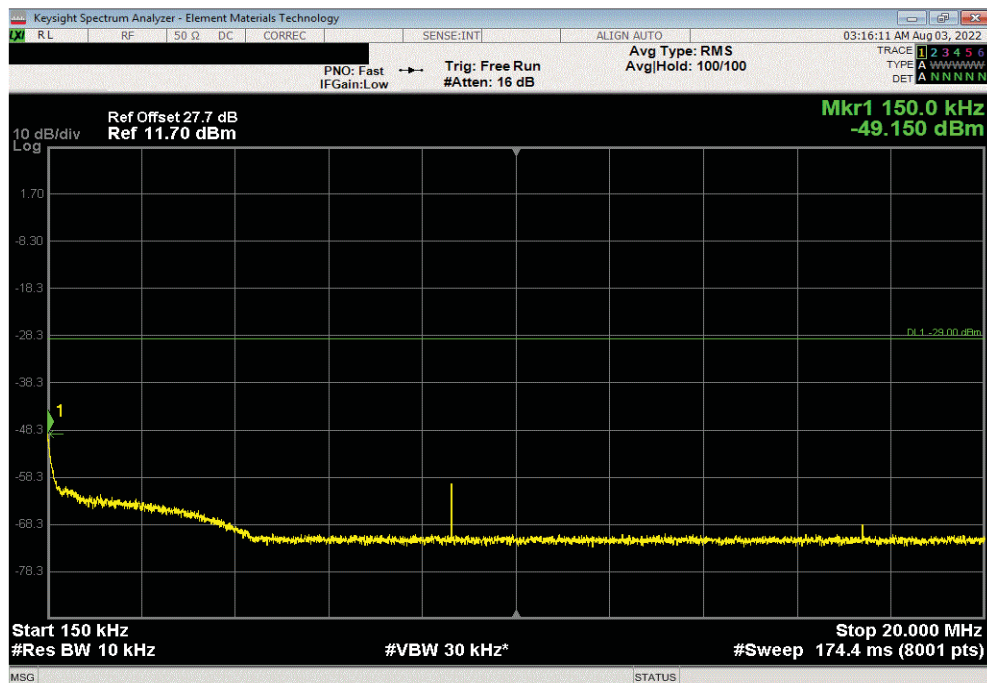


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

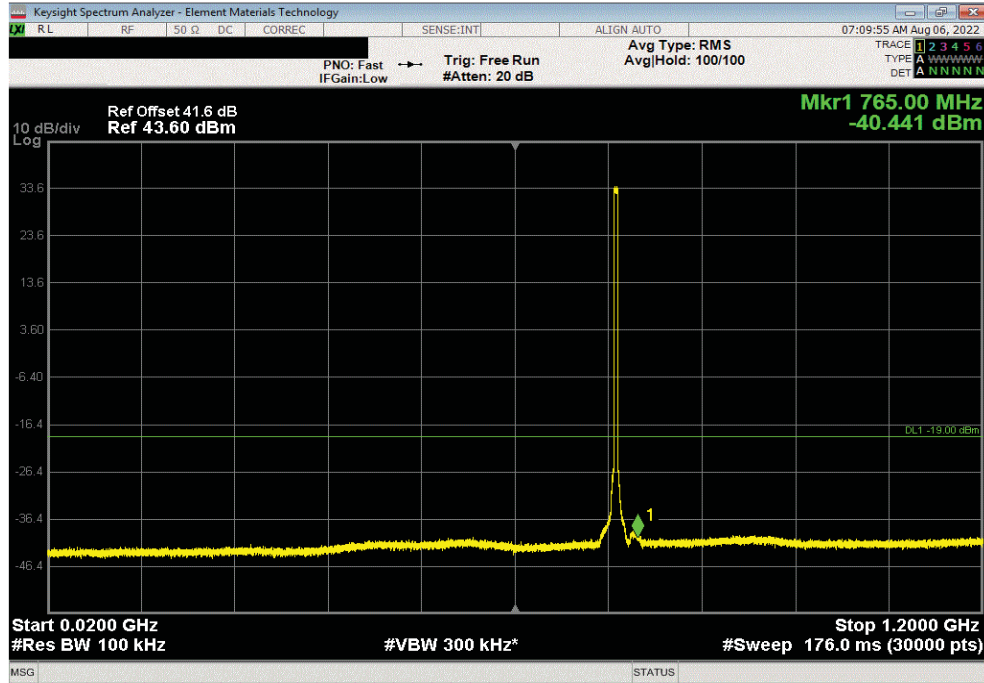


SPURIOUS CONDUCTED EMISSIONS - BAND n12

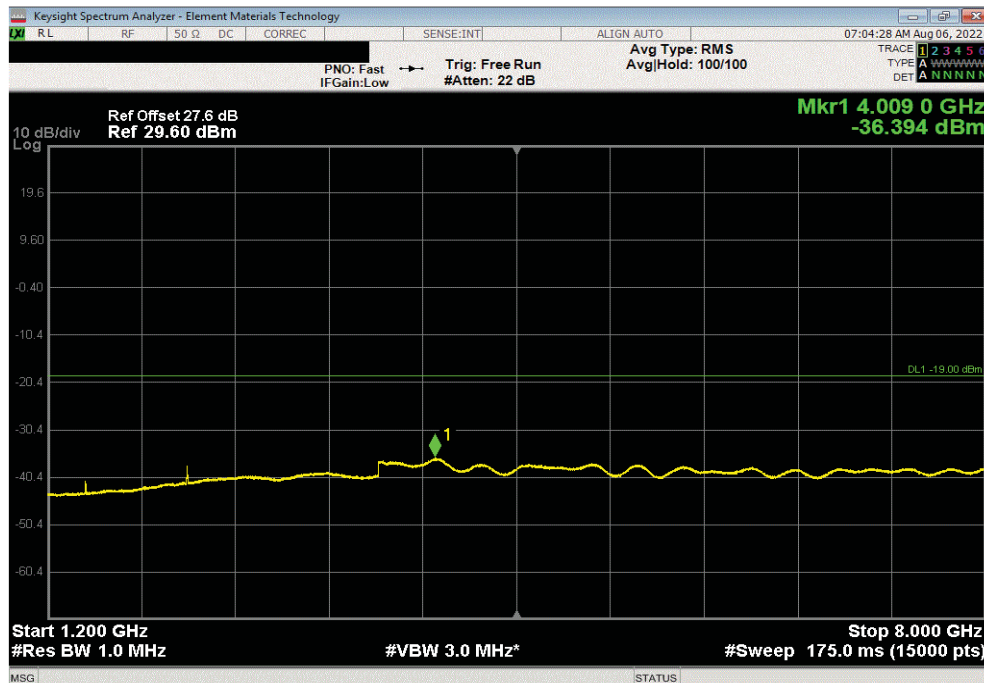


TbTtx 2022.05.02.0 XMIT 2022.02.07.0

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	

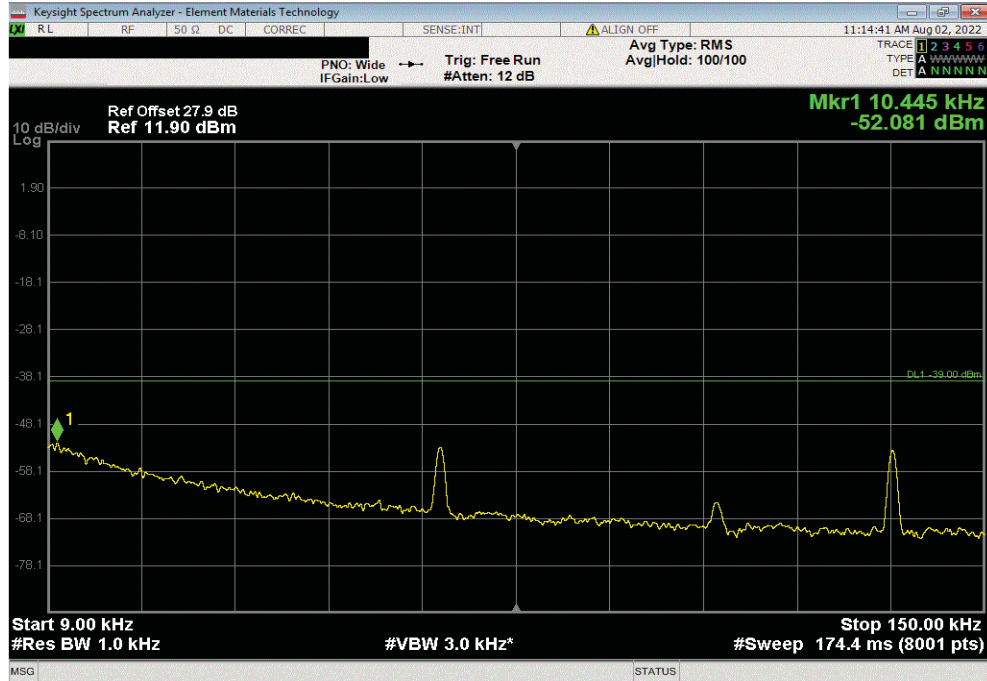


SPURIOUS CONDUCTED EMISSIONS - BAND n12

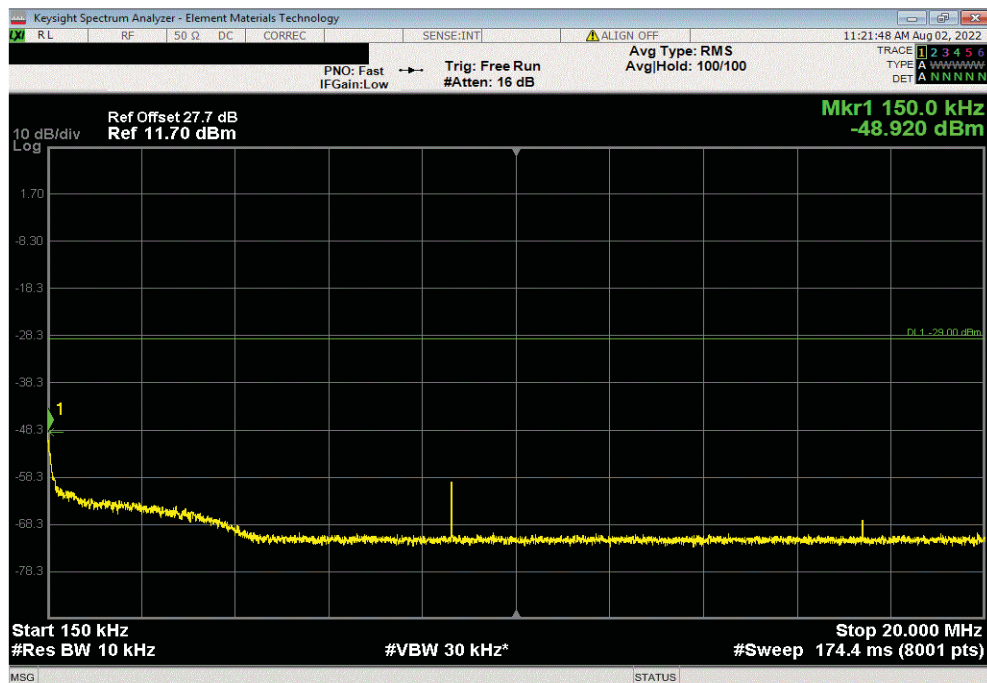


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

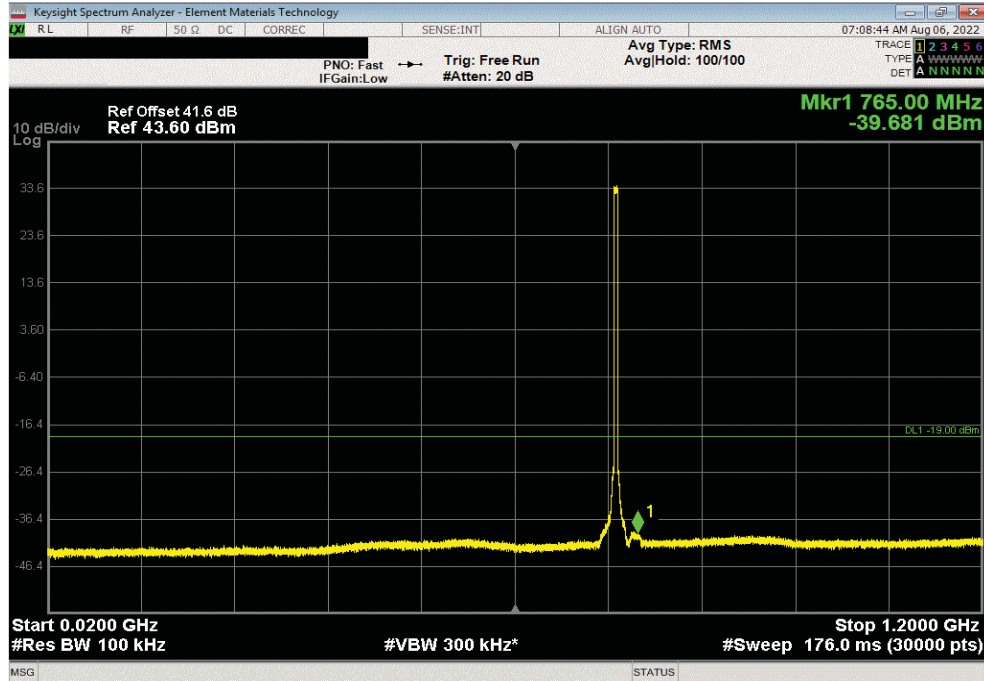


SPURIOUS CONDUCTED EMISSIONS - BAND n12

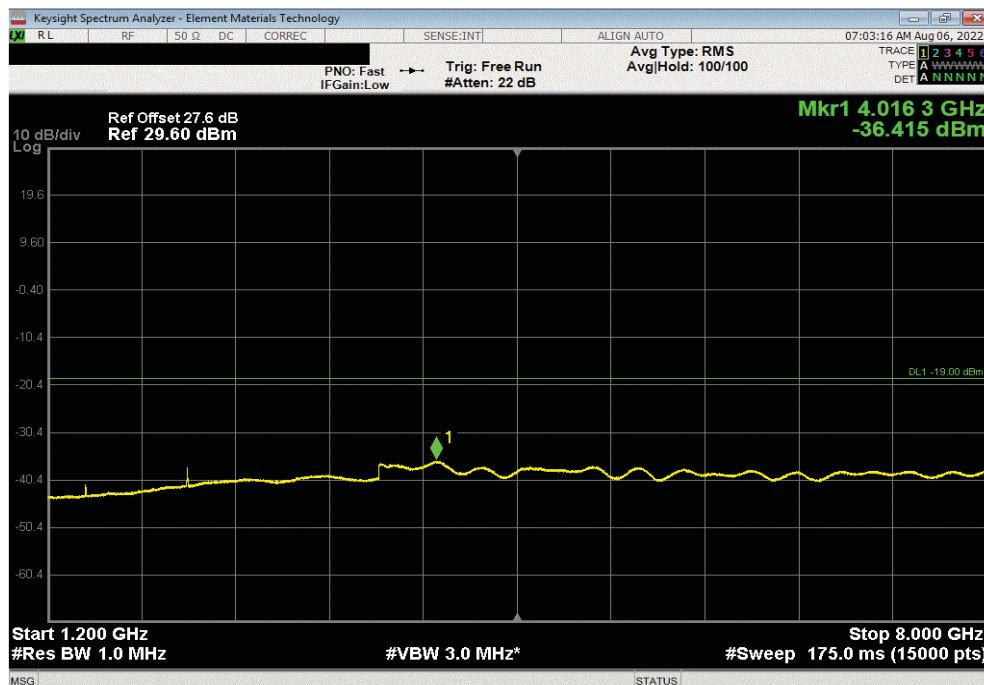


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	

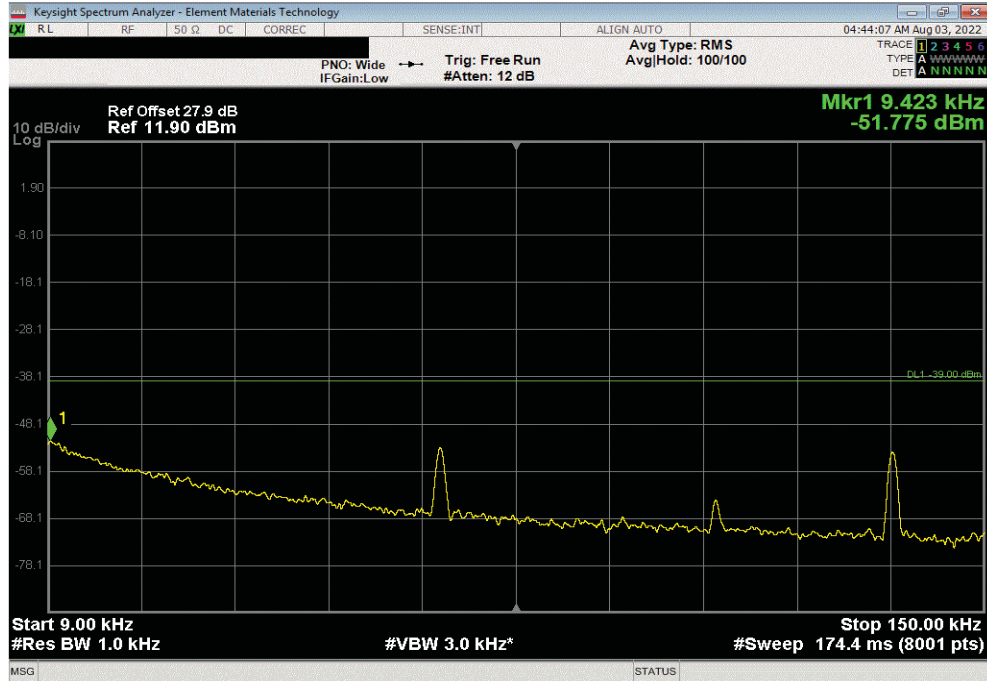


SPURIOUS CONDUCTED EMISSIONS - BAND n12

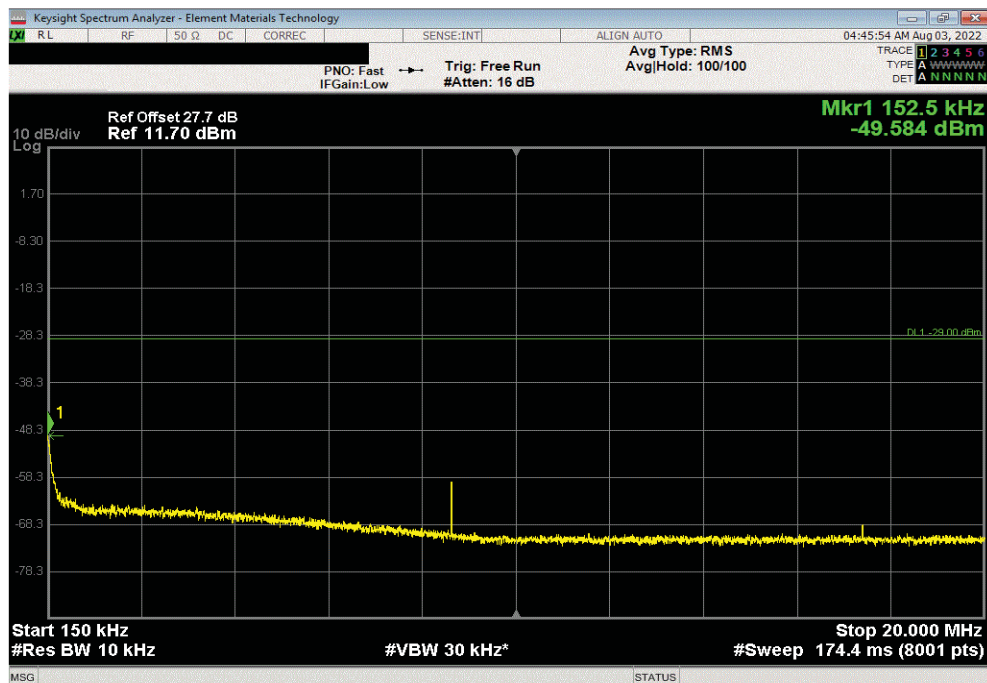


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

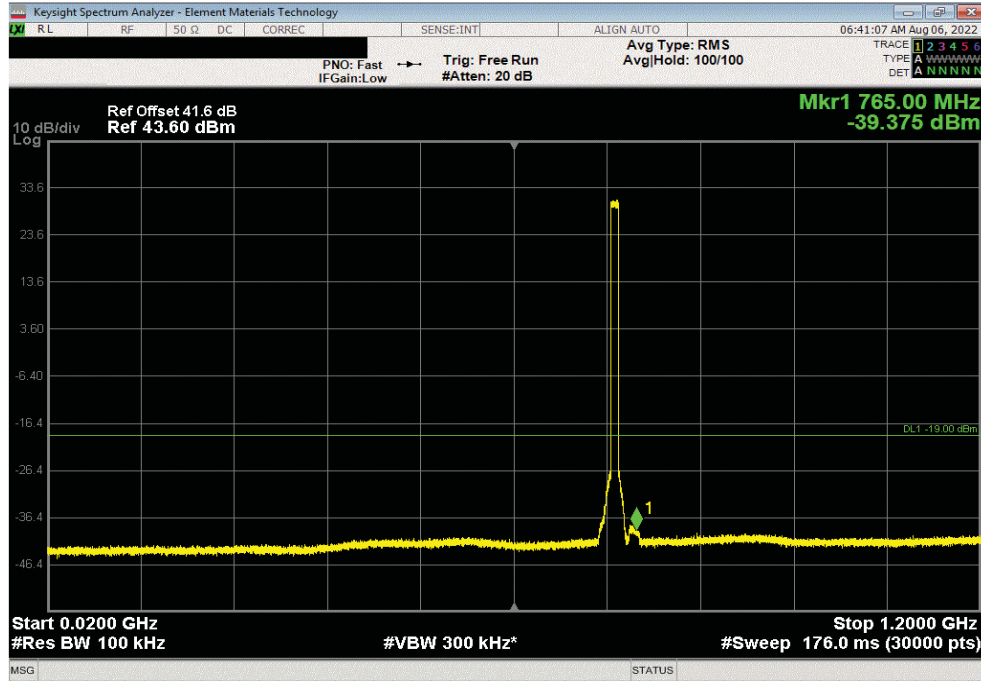


SPURIOUS CONDUCTED EMISSIONS - BAND n12

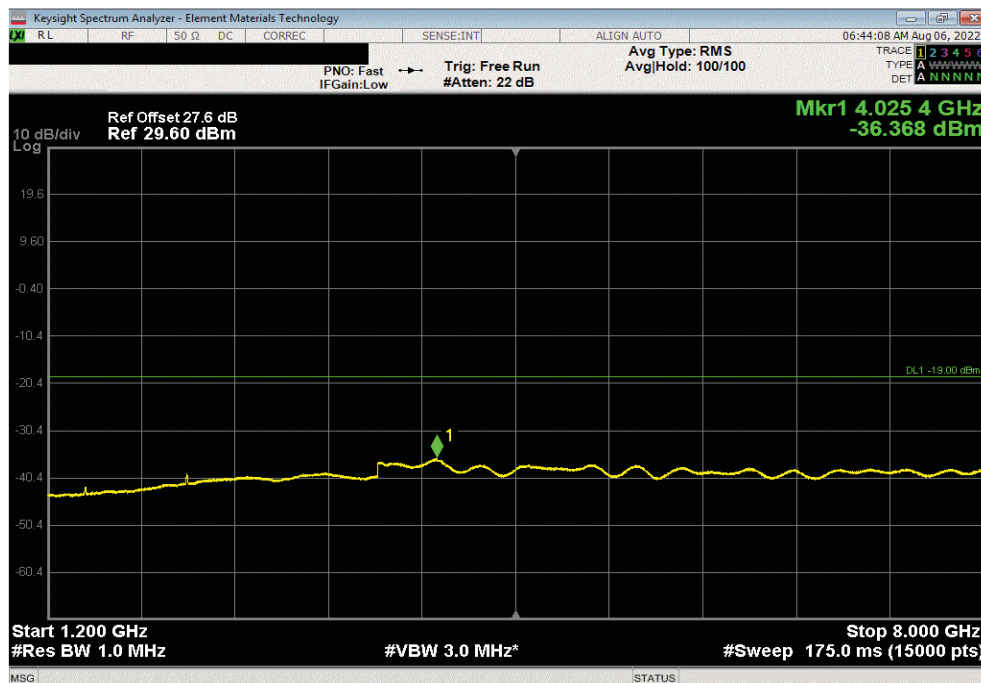


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	

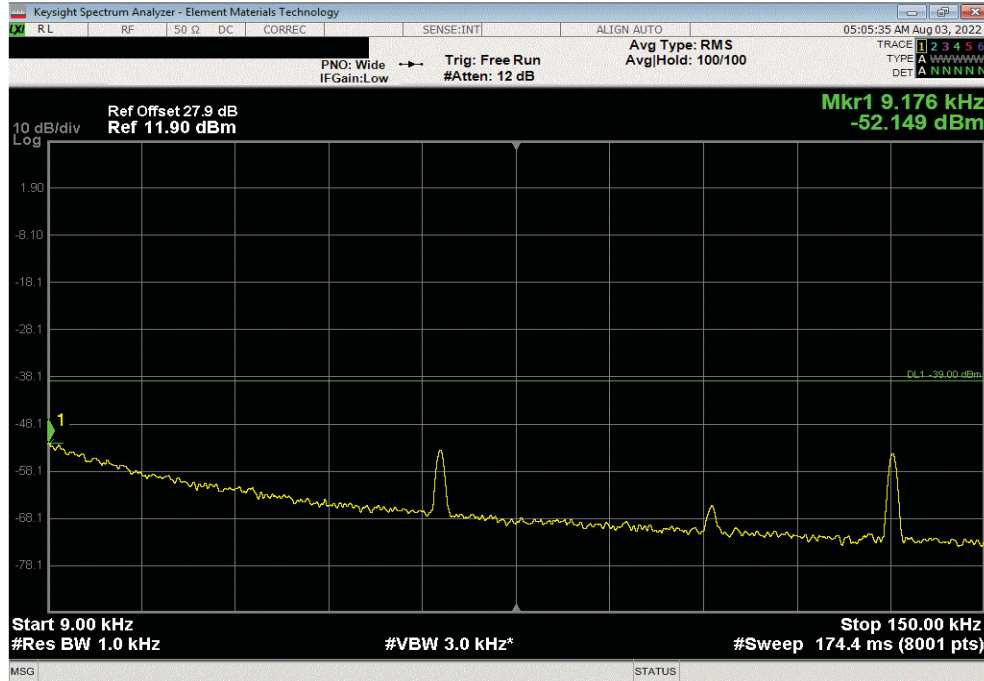


SPURIOUS CONDUCTED EMISSIONS - BAND n12

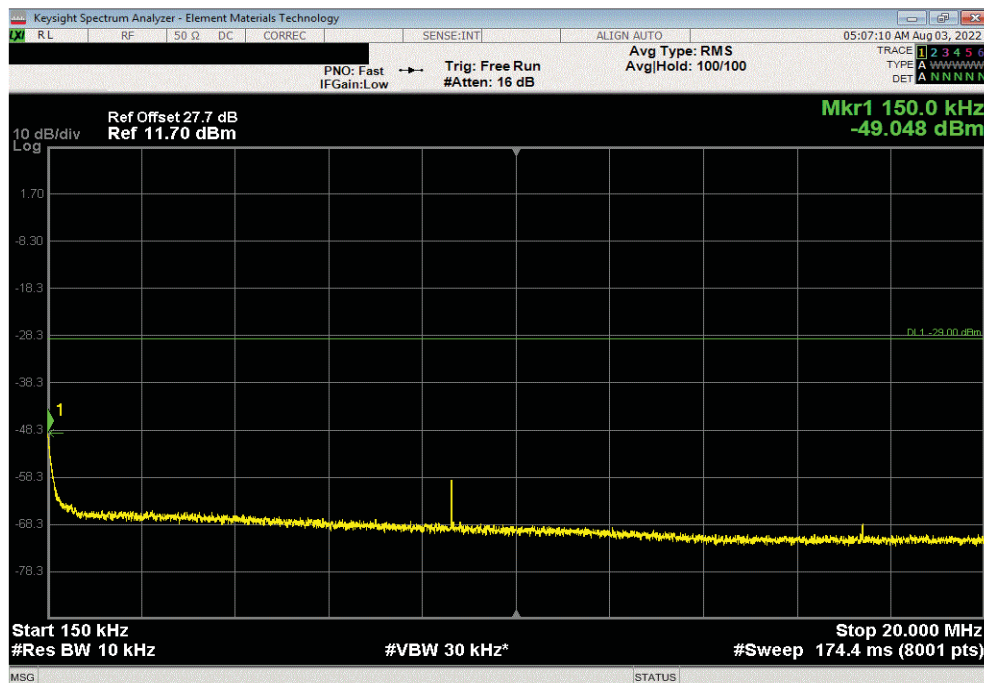


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	

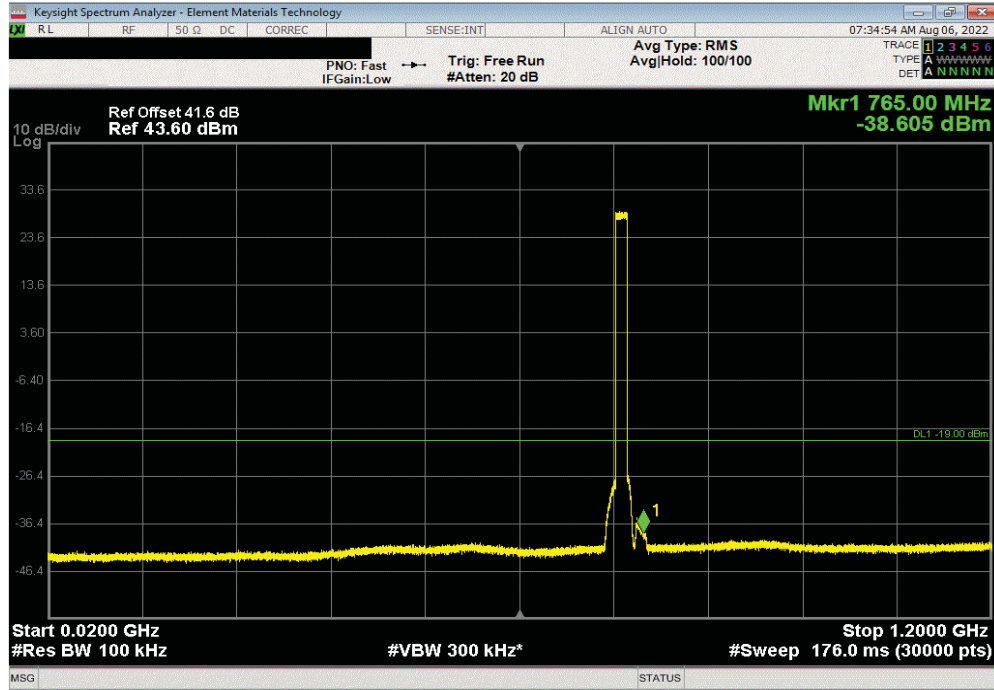


SPURIOUS CONDUCTED EMISSIONS - BAND n12

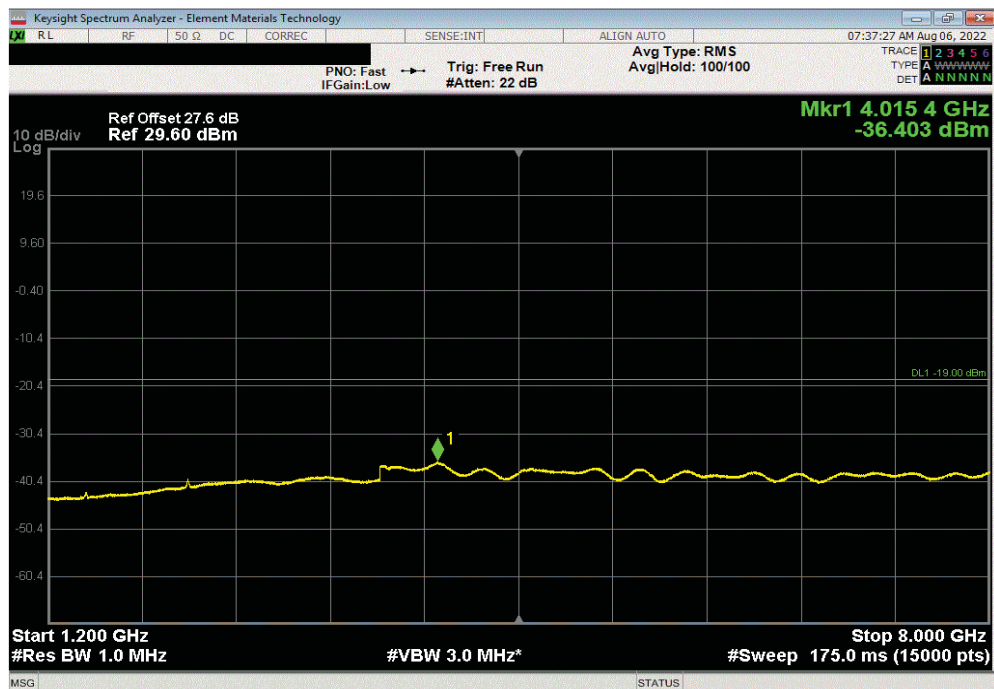


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	

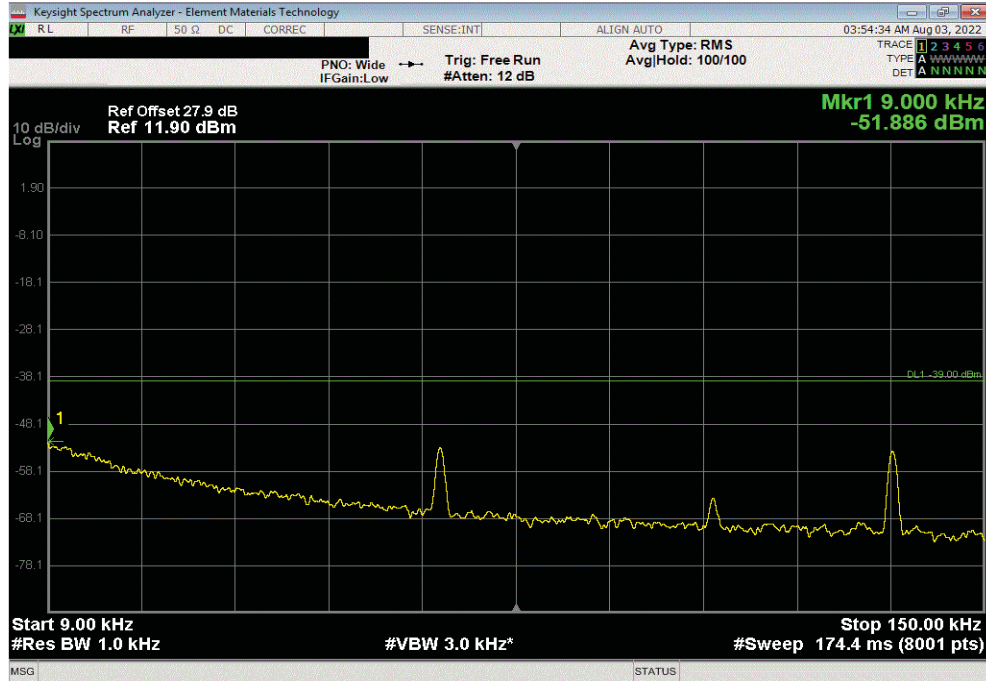


SPURIOUS CONDUCTED EMISSIONS - BAND n12

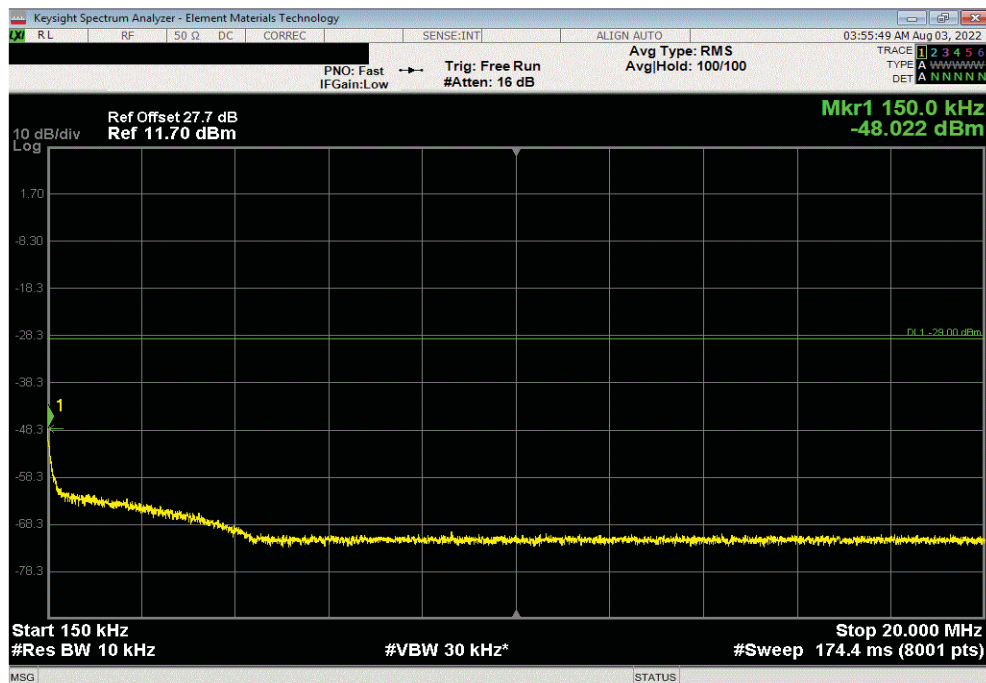


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

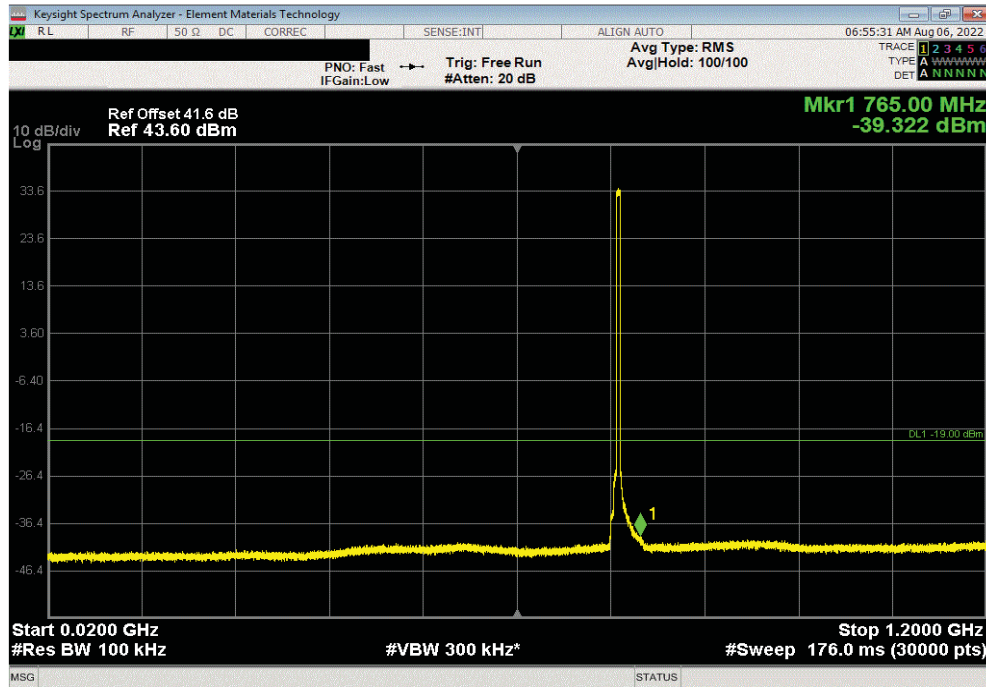


SPURIOUS CONDUCTED EMISSIONS - BAND n12

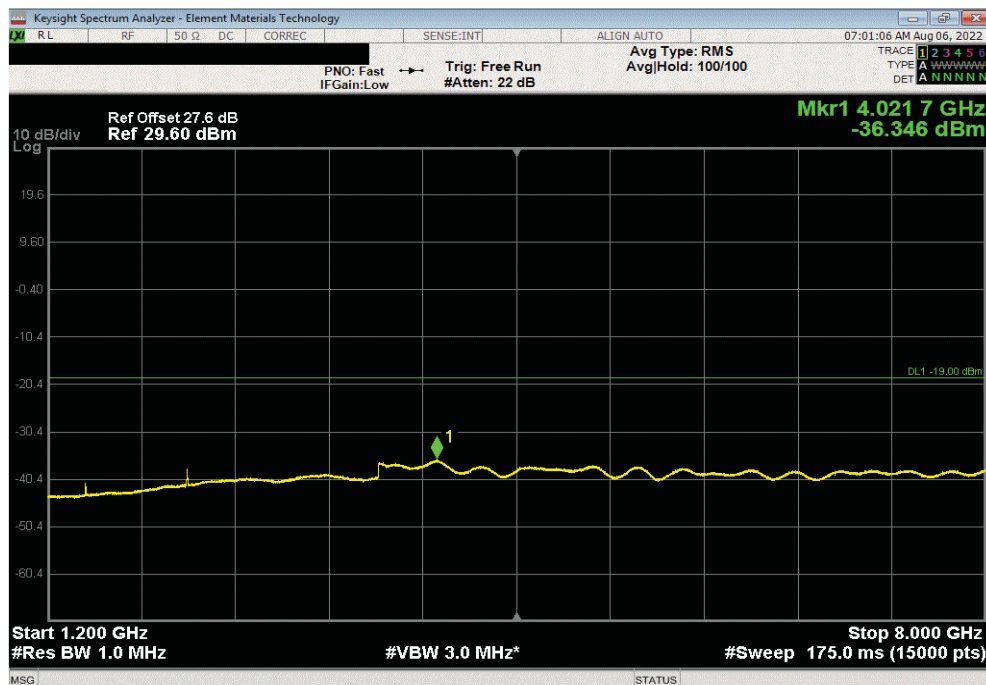


TbTtX 2022.05.02.0 XMI 2022.02.07.0

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	
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	

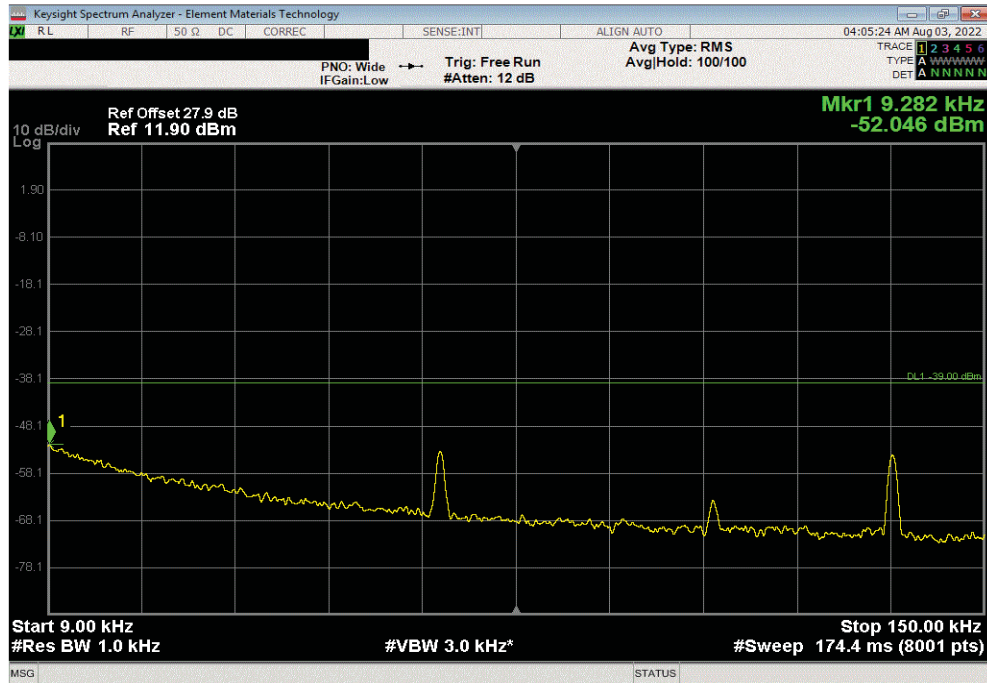


SPURIOUS CONDUCTED EMISSIONS - BAND n12

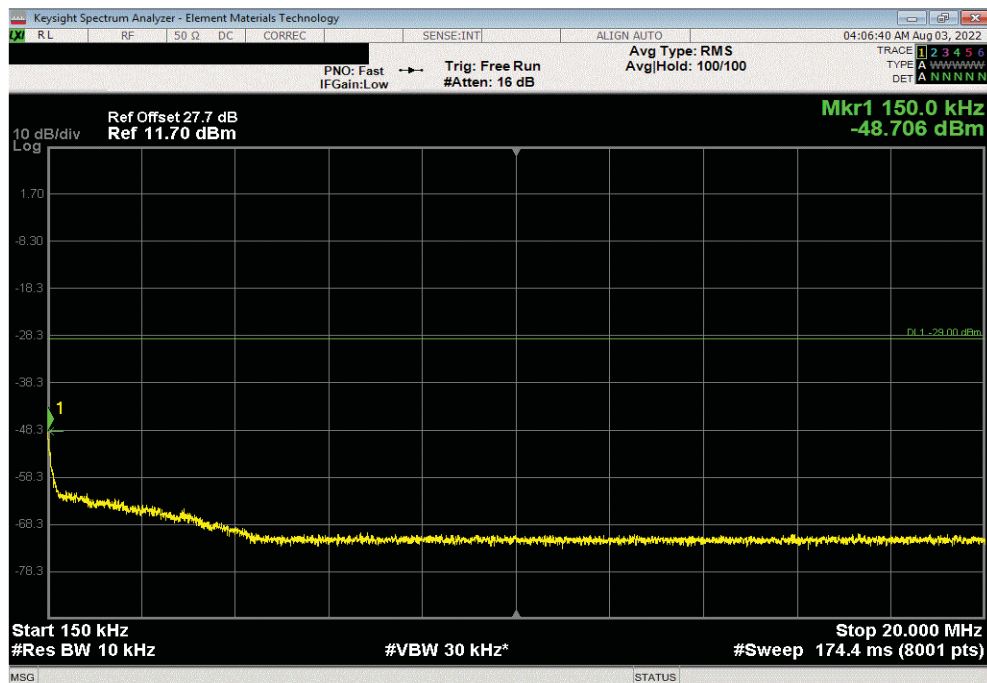


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

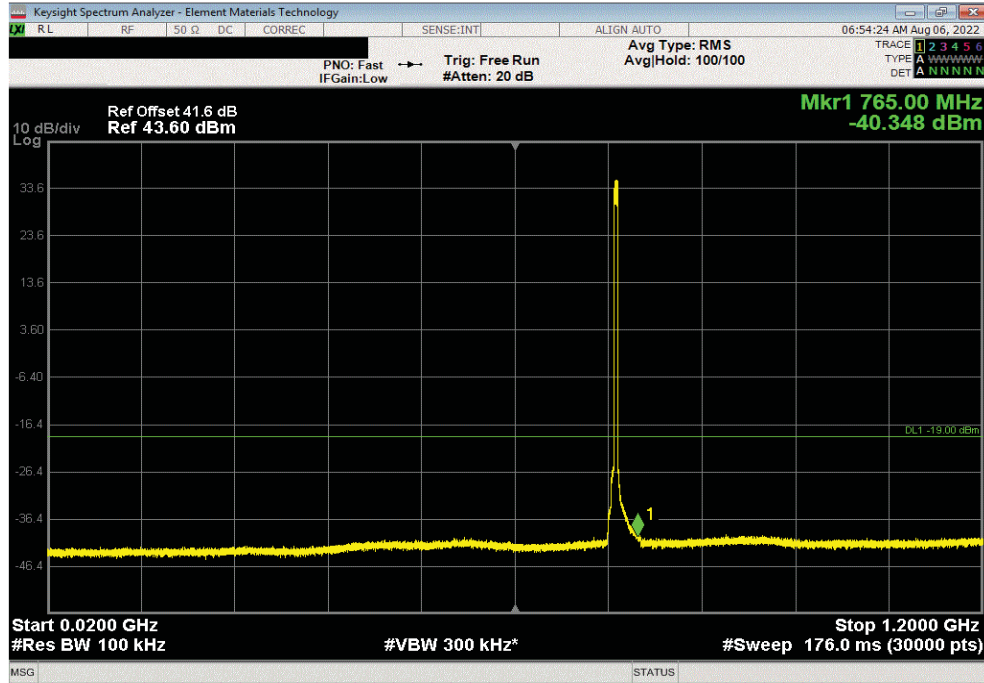


SPURIOUS CONDUCTED EMISSIONS - BAND n12

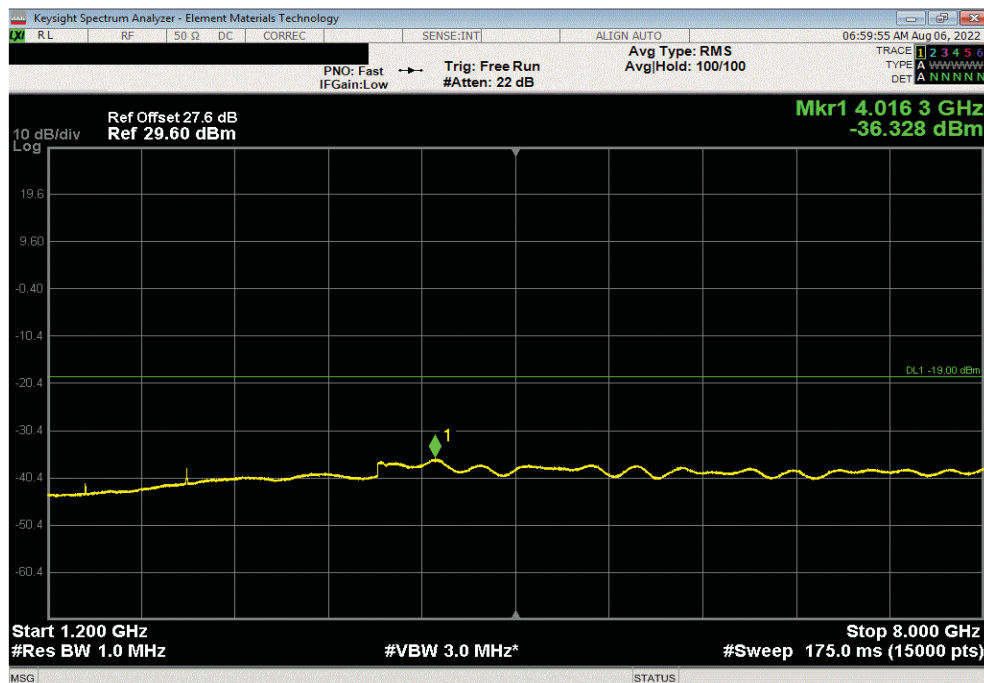


TbTtx 2022.05.02.0 XMt 2022.02.07.0

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	

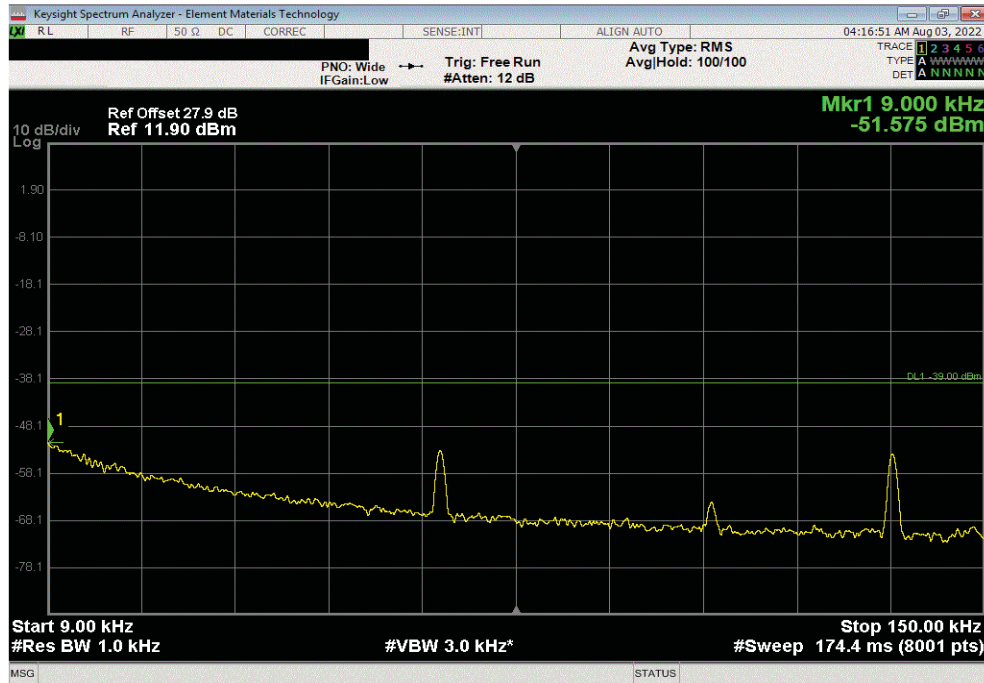


SPURIOUS CONDUCTED EMISSIONS - BAND n12

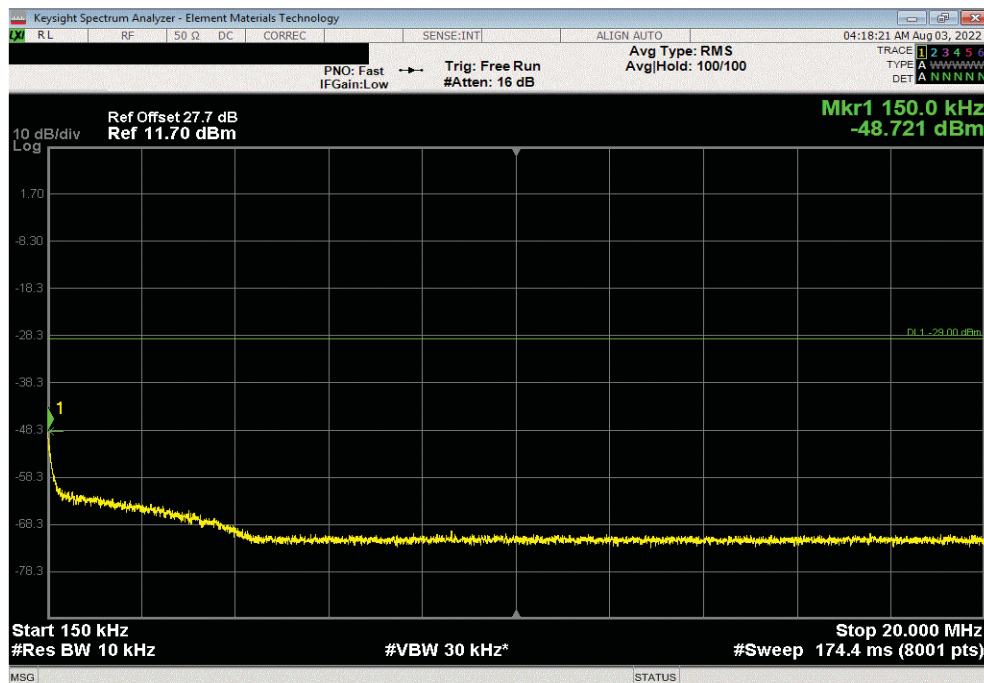


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

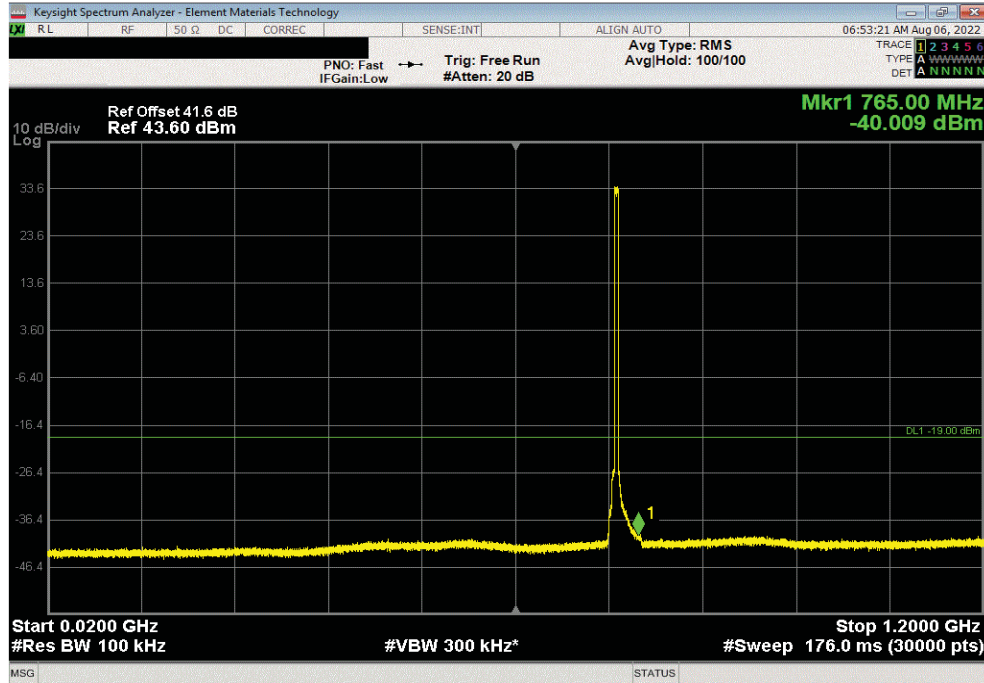


SPURIOUS CONDUCTED EMISSIONS - BAND n12

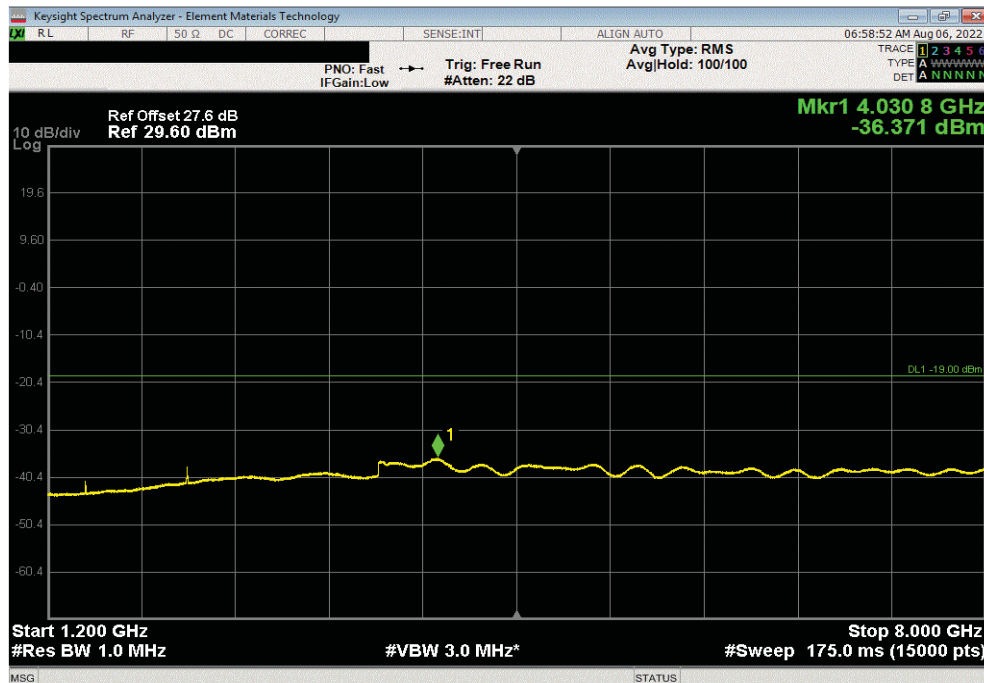


TbTtx 2022.05.02.0 XMIT 2022.02.07.0

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	

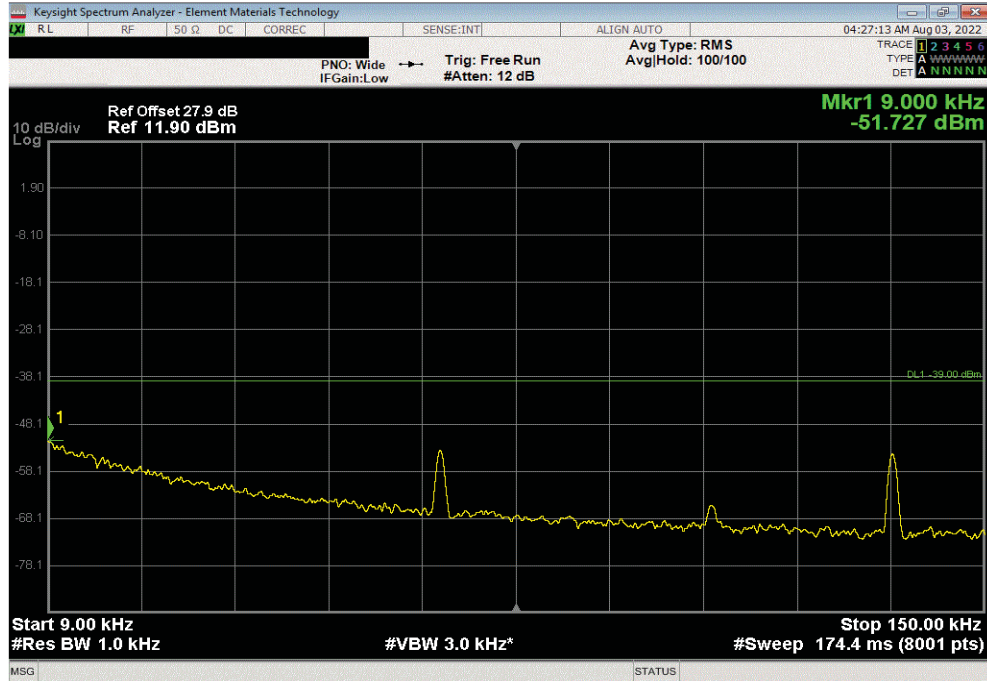


SPURIOUS CONDUCTED EMISSIONS - BAND n12

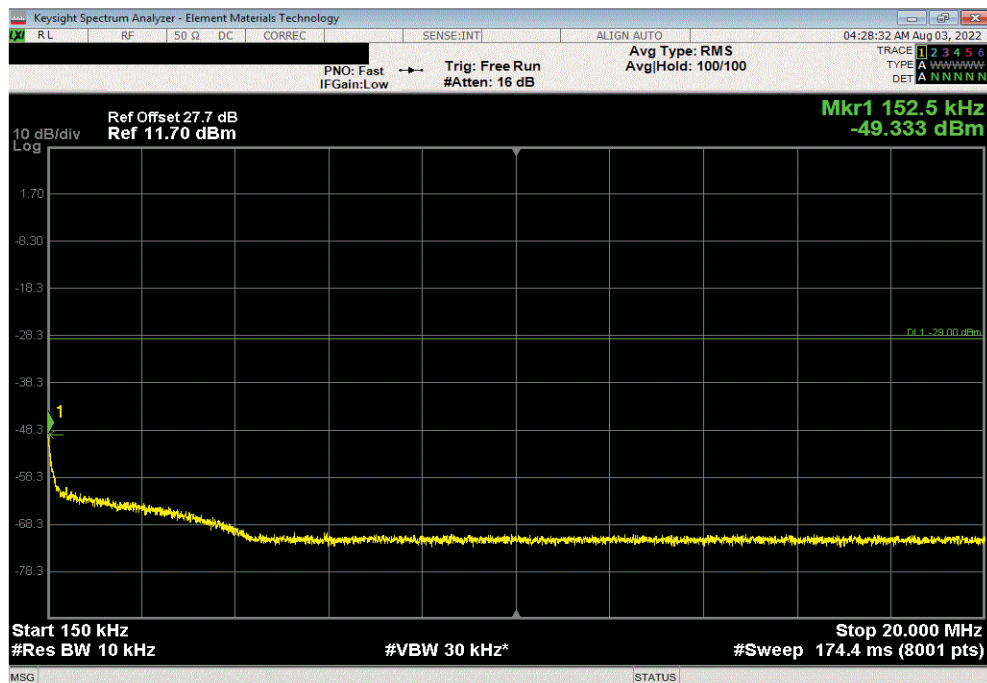


TbTtx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

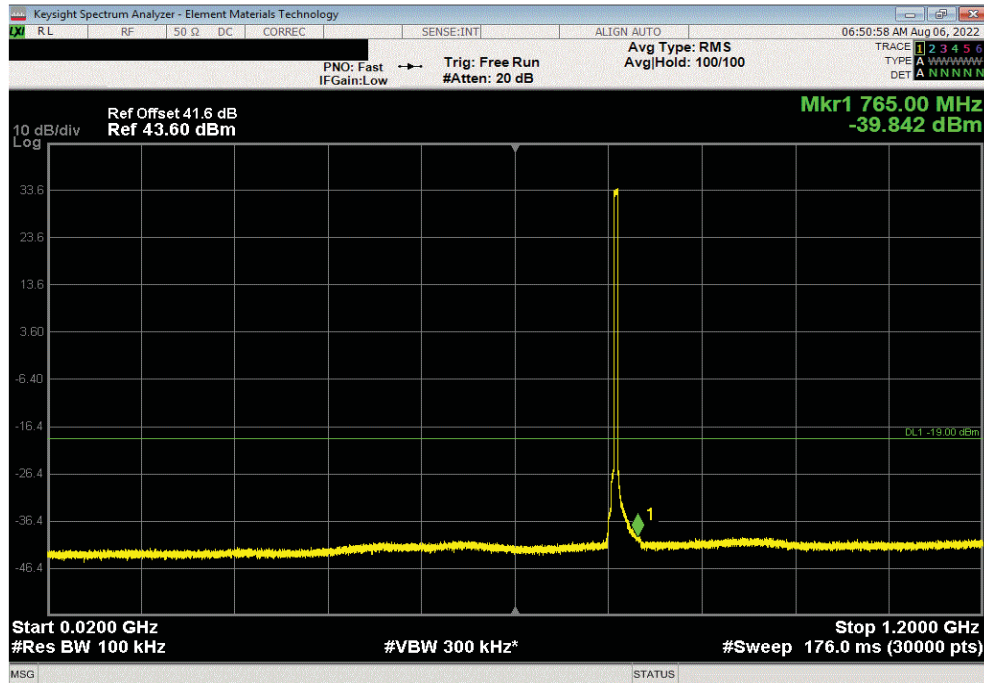


SPURIOUS CONDUCTED EMISSIONS - BAND n12

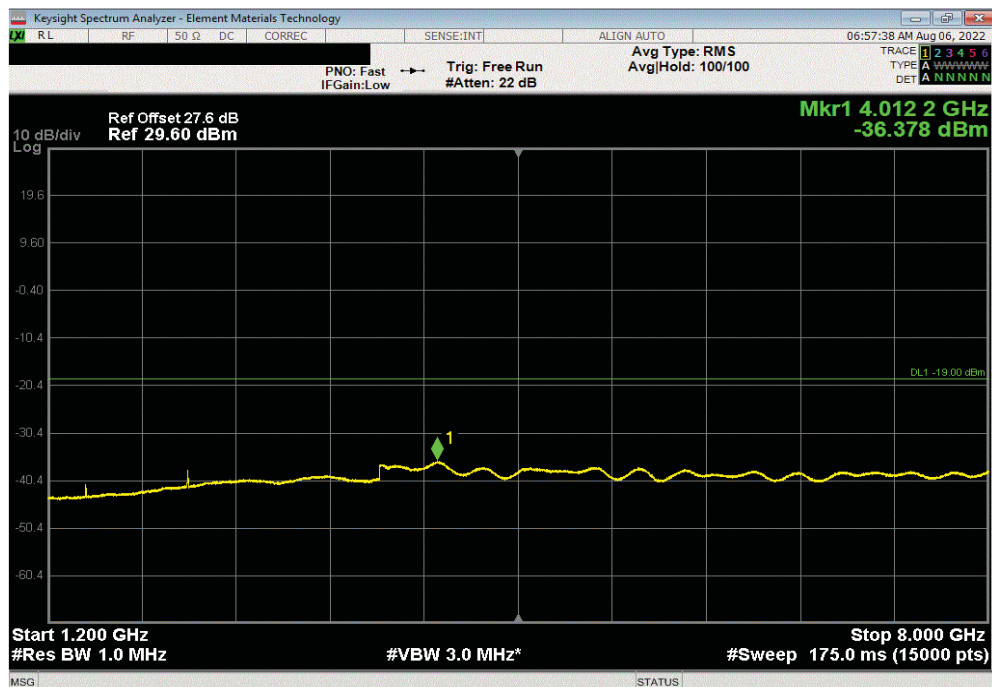


TbTtx 2022.05.02.0 XMIT 2022.02.07.0

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	

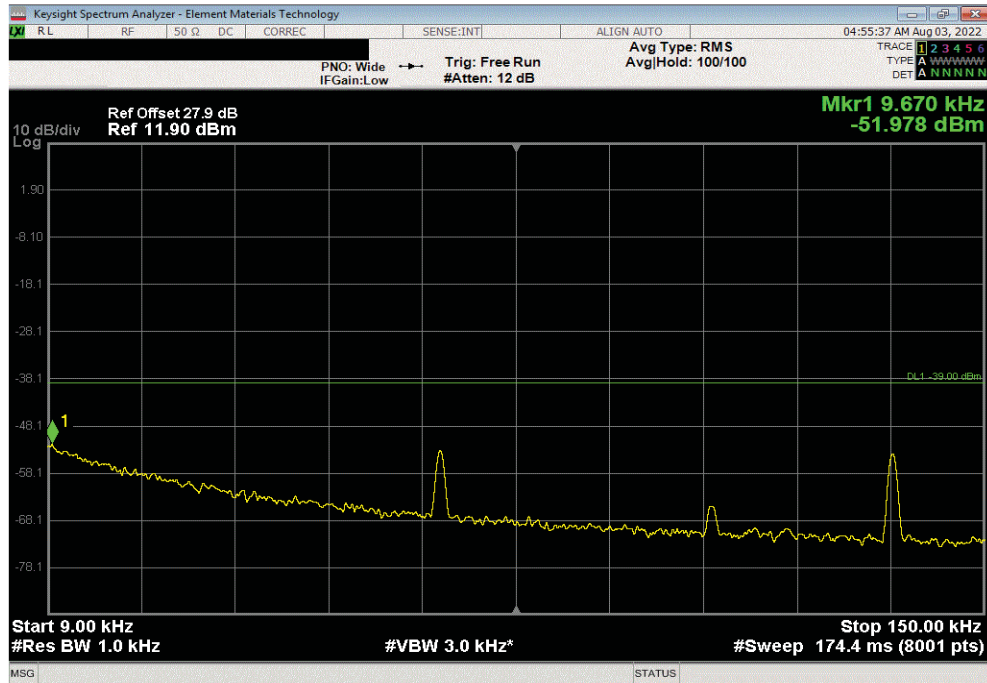


SPURIOUS CONDUCTED EMISSIONS - BAND n12

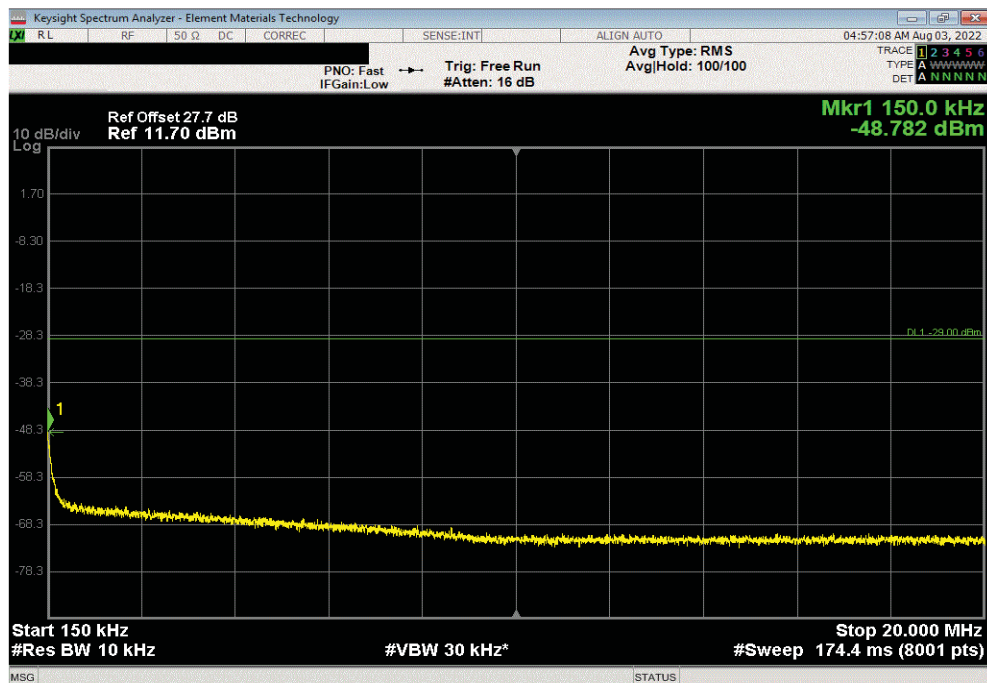


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	
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	

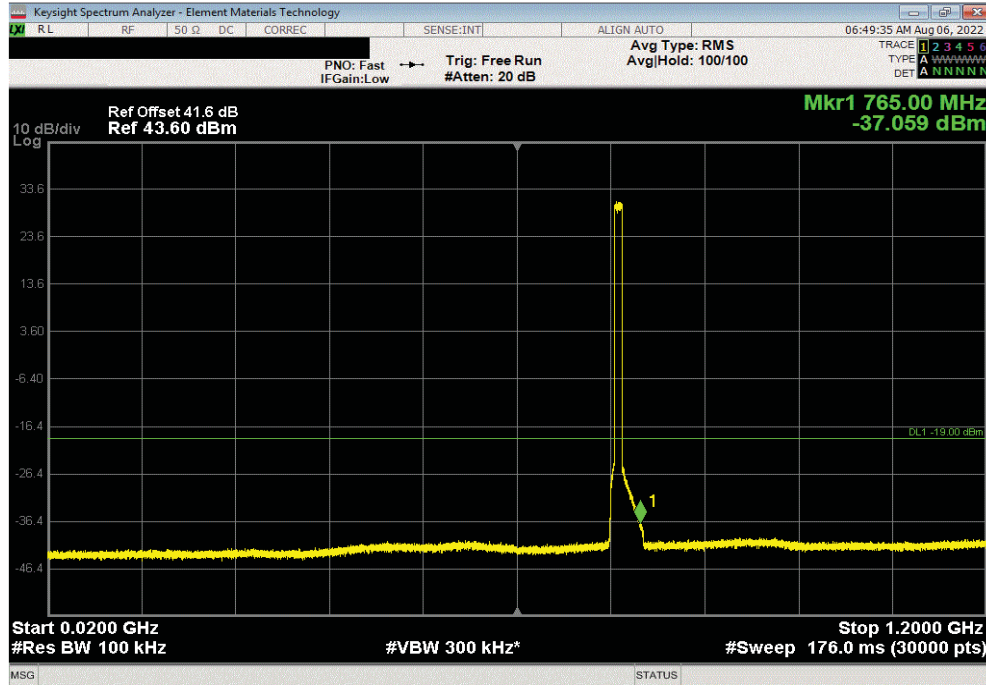


SPURIOUS CONDUCTED EMISSIONS - BAND n12

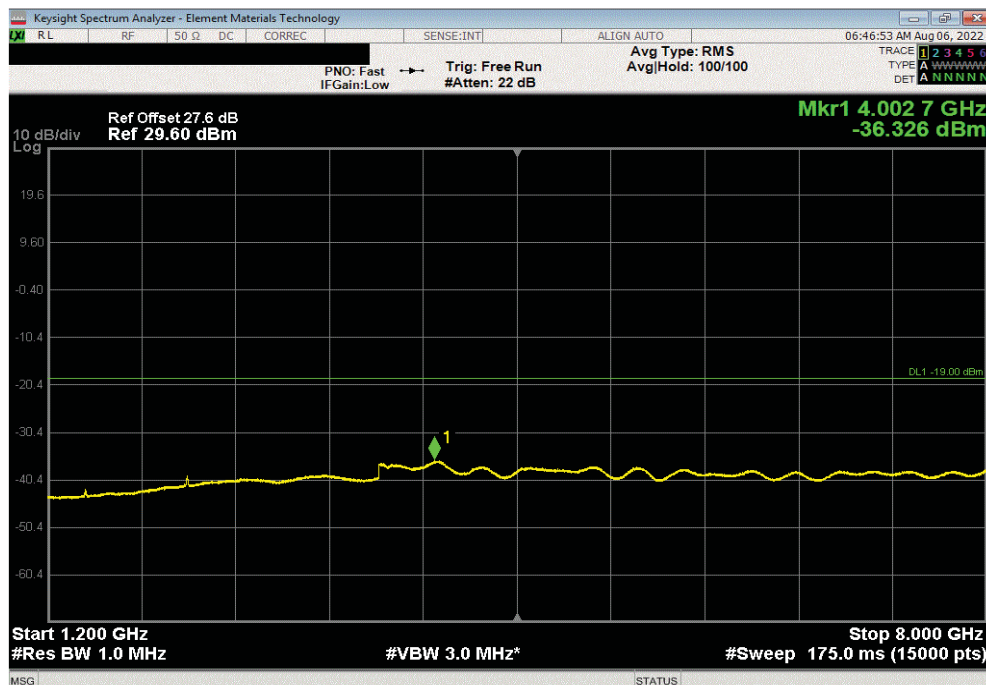


TbTtx 2022.05.02.0 XMIT 2022.02.07.0

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	

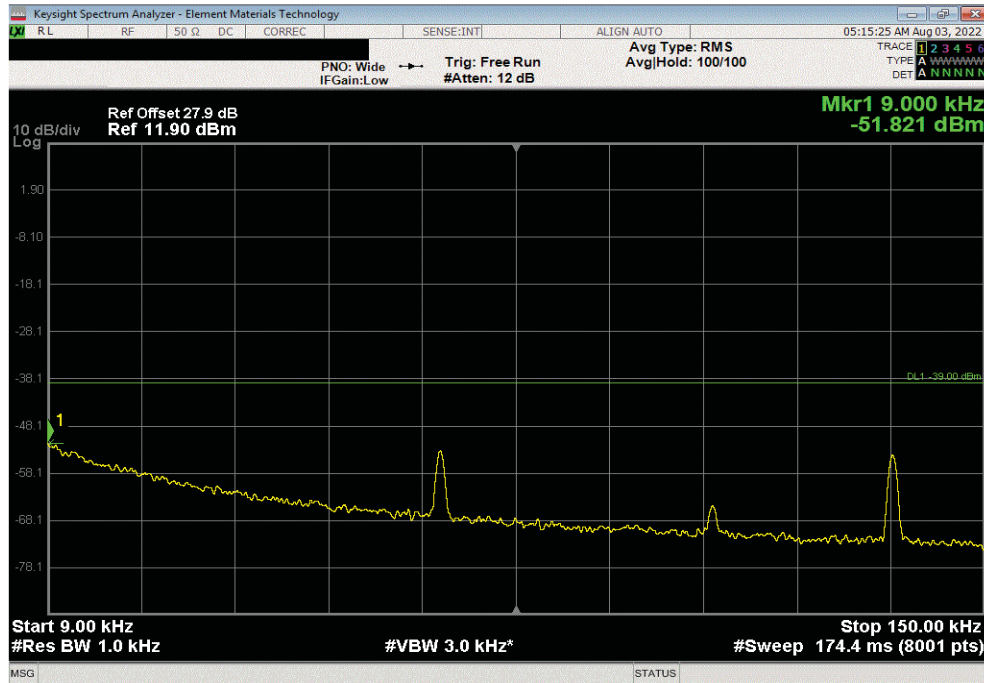


SPURIOUS CONDUCTED EMISSIONS - BAND n12

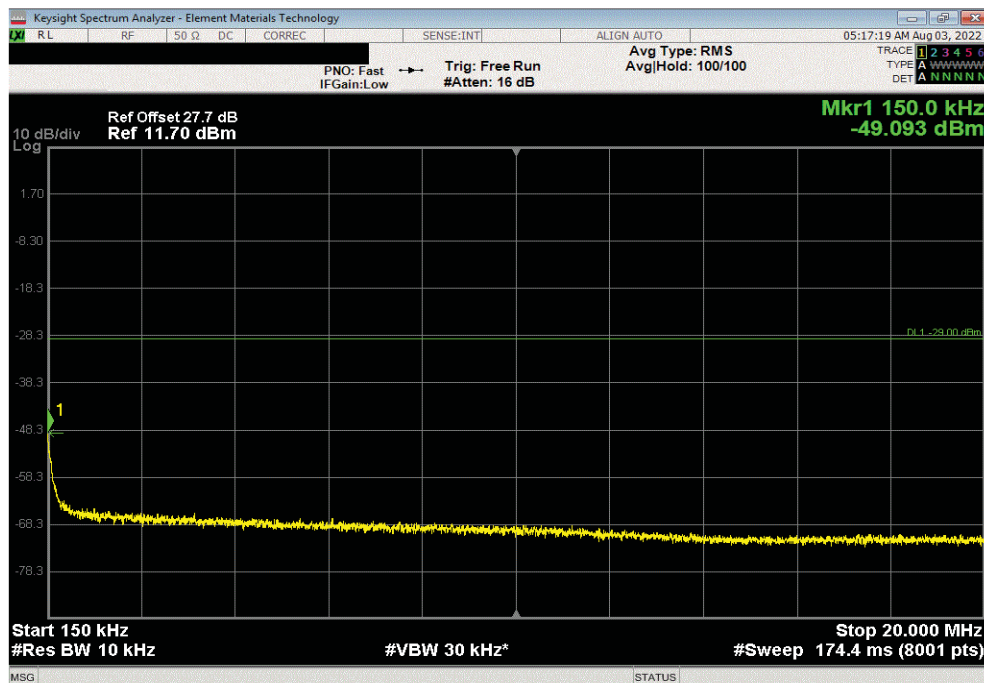


TbTx 2022.05.02.0 XMit 2022.02.07.0

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	

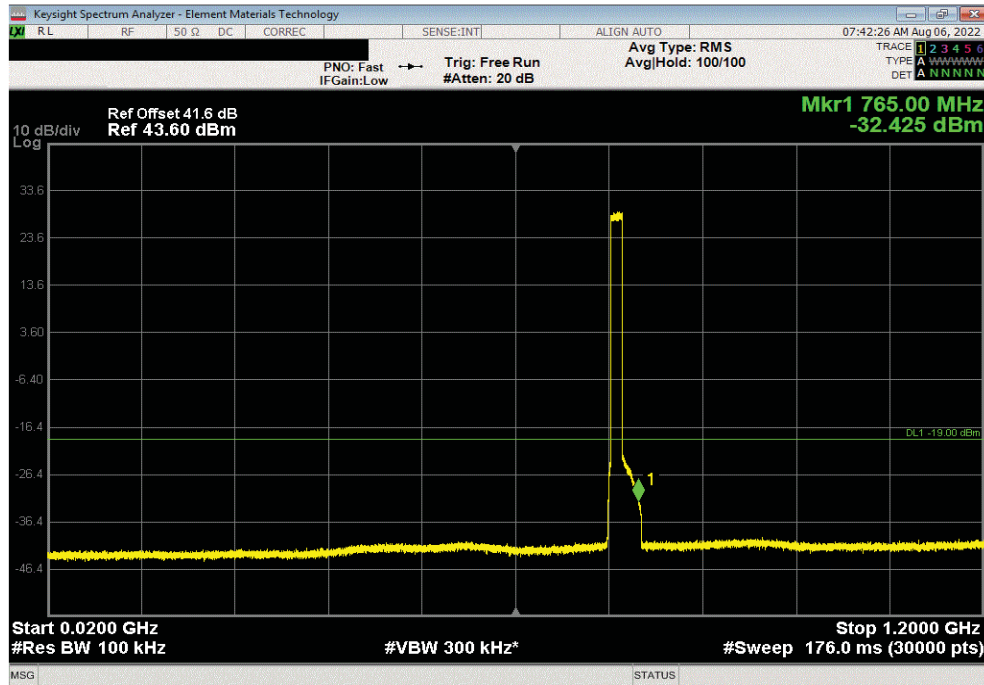


SPURIOUS CONDUCTED EMISSIONS - BAND n12



TbTtx 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	

