

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 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. For Multiband operation, measurements were taken at the lower band edge of the lower band and the upper band edge of the upper band.

The spectrum was scanned below the lower band edge and above the higher band edge.

Per section 90.543(e)(3) and RSS 140 4.4 the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter for Band n14.

FCC 90.543(e)(5) and RSS 140 4.4b requires a >100 kHz measurement bandwidth for emissions 100 kHz outside of the RRH operating frequency range. FCC 90.543(e)(5) and RSS 140 4.4b requires a >30 kHz measurement bandwidth for emissions between 100 kHz outside of the RRH operating frequency range and band edge of the operating frequency range.

FCC 90.543(e) (1) and RSS 140 4.4a requires an emission limit of -46dBm for any 6.25 kHz bandwidth between frequency bands 769-775 MHz and 799-806 MHz (Note that the upper frequency for Part 90 is 805MHz and RSS 140 is 806MHz). The limit is adjusted to -52 dBm per 6.25 kHz bandwidth [-46 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Spectrum analyzer reference level offset corrections were applied for the Band n14 band edge measurements from 769MHz-775MHz and 799MHz to 808MHz.

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.



EUT	AHLBBA (C2PC/C3PC FCC	C/ISED)			Work Order:	TbtTx 2022.05.02.0 NOKI0047	XMit 202
Serial Number:	K9193514835				Date:	3-Aug-22	
	Nokia Solutions and Netwo	orks			Temperature:		
Project:	Mitchell Hill None					53.8% RH 1021 mbar	
Tested by:	Marty Martin	F	ower: 54VDC		Job Site:		
T SPECIFICAT	IONS		ANSI C63.26:2015				
5 140 Issue 1: 20	018		ANSI C63.26:2015				
MMENTS							
		for in the reference level offset including attenu	ators, cables, DC block and filter wh	en in use. The carriers wer	e enabled at maxim	num power.	
IE	M TEST STANDARD						
		on	- nen v				
figuration #	2, 4	Signature	Marti				
		Signature	Frequency	Measured	Max Value	Limit	
			Range	Freq (MHz)	(dBm)	< (dBm)	Result
1	5G NR Band n14, 758 - 768 I	Mbz					
	5 MHz Bandwid						
	Q	PSK Modulation					
		Low Channel, 760.5 MHz Low Channel, 760.5 MHz	1 2	758 757.9	-25.8 -21.2	-19 -19	Pass Pass
		High Channel, 765.5 MHz	1	768	-21.2	-19	Pass
		High Channel, 765.5 MHz	2	768.1	-22.9	-19	Pass
		High Channel, 765.5 MHz	3	769.04	-55.8	-52	Pass
	16	High Channel, 765.5 MHz 6QAM Modulation	4	806.76	-72.7	-52	Pass
	I.	Low Channel, 760.5 MHz	1	758	-26.0	-19	Pass
		Low Channel, 760.5 MHz	2	757.9	-21.0	-19	Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	1	768	-26.1	-19	Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	2 3	768.15 769	-23.2 -56.9	-19 -52	Pass Pass
		High Channel, 765.5 MHz	4	804.66	-72.9	-52	Pass
	64	4QAM Modulation					_
		Low Channel, 760.5 MHz Low Channel, 760.5 MHz	1 2	758 757.9	-25.9 -20.5	-19 -19	Pass Pass
		High Channel, 765.5 MHz	1	768	-25.8	-19	Pass
		High Channel, 765.5 MHz	2	768.1	-22.5	-19	Pass
		High Channel, 765.5 MHz	3 4	769.01	-55.7	-52	Pass
	2!	High Channel, 765.5 MHz 56QAM Modulation	4	805.89	-72.9	-52	Pass
	-	Low Channel, 760.5 MHz	1	758	-25.7	-19	Pass
		Low Channel, 760.5 MHz	2	757.9	-20.7	-19	Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	1 2	768 768.16	-25.7 -23.1	-19 -19	Pass Pass
		High Channel, 765.5 MHz	3	769.01	-56.0	-52	Pass
		High Channel, 765.5 MHz	4	803.61	-72.9	-52	Pass
	10 MHz Bandw	ridth, 256 QAM Modulation		750	00.4	40	_
		Low Channel, 763.0 MHz Low Channel, 763.0 MHz	1 2	758 757.65	-28.1 -22.9	-19 -19	Pass Pass
		High Channel, 763.0 MHz	-	768	-31.3	-19	Pass
		High Channel, 763.0 MHz	2	768.1	-28.3	-19	Pass
		High Channel, 763.0 MHz High Channel, 763.0 MHz	3 4	769 805.67	-59.5 -72.7	-52 -52	Pass
2		High Charliner, 703.0 MHz	4	005.07	-12.1	-52	Pass
	5G NR Band n14, 758 - 768 I						
	5 MHz Bandwid						
	Q	PSK Modulation Low Channel. 760.5 MHz	1	758	-26.0	-19	Pass
		Low Channel, 760.5 MHz	2	757.9	-21.9	-19	Pass
		High Channel, 765.5 MHz	1	768	-27.0	-19	Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	2 3	768.15 769.07	-25.1 -60.0	-19 -52	Pass Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	3 4	805.08	-60.0 -72.8	-52	Pass
	16	6QAM Modulation					
		Low Channel, 760.5 MHz	1	758	-26.4	-19	Pass
		Low Channel, 760.5 MHz High Channel, 765.5 MHz	2 1	757.9 768	-21.9 -27.2	-19 -19	Pass Pass
		High Channel, 765.5 MHz	2	768.1	-25.3	-19	Pass
		High Channel, 765.5 MHz	3	769.19	-59.8	-52	Pass
	0	High Channel, 765.5 MHz 4QAM Modulation	4	807.49	-72.8	-52	Pass
	04	Low Channel, 760.5 MHz	1	758	-26.0	-19	Pass
		Low Channel, 760.5 MHz	2	757.87	-21.9	-19	Pass
		High Channel, 765.5 MHz	1	768	-26.9	-19	Pass
		High Channel, 765.5 MHz High Channel, 765.5 MHz	2 3	768.1 769.11	-24.4 -59.8	-19 -52	Pass Pass
		High Channel, 765.5 MHz	4	803.97	-72.9	-52	Pass
	25	56QAM Modulation				4-	_
		Low Channel, 760.5 MHz Low Channel, 760.5 MHz	1 2	758 757.9	-26.2 -21.4	-19 -19	Pass Pass
		High Channel, 765.5 MHz	2	768	-21.4	-19	Pass
		High Channel, 765.5 MHz	2	768.13	-24.2	-19	Pass
		High Channel, 765.5 MHz	3	769.1	-59.5	-52	Pass
	10 MHz Bandw	High Channel, 765.5 MHz	4	804.03	-72.8	-52	Pass
		56QAM Modulation					
	_	Low Channel, 763.0 MHz	1	758	-27.1	-19	Pass
		Low Channel, 763.0 MHz	2 1	757.71 768	-21.5 -30.0	-19 -19	Pass Pass
							Pass
		High Channel, 763.0 MHz High Channel, 763.0 MHz					Pass
		High Channel, 763.0 MHz High Channel, 763.0 MHz High Channel, 763.0 MHz	2	768.16 769.29	-26.3 -59.5	-19 -52	



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		758	-25.83	-19	Pass
Mariah Carta Andrea	r - Element Materials Techno	1				
	50 Ω DC CORREC		ENSE:INT	ALIGN OFF		07:16:13 AM Aug 03, 2022
		PNO: Wide +++	Trig: Free Run #Atten: 30 dB	Avg Type: F Avg Hold: 5		TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N
Ref Offse 10 dB/div Ref 41.4	et 41.33 dB <b>45 dBm</b>				Mkr1	758.000 000 MHz -25.826 dBm
Log						
31.5						
21.5						
11.5						
1.45						
-8.55						
-18.6						DL1 -19.00 dBm
			<b>1</b>			
-28.6	~					
-38.6						
-48.6						
-40.0						
Start 757.9000 MH #Res BW 30 kHz	Z	#VBV	V 100 kHz*		#Sween	Stop 758.1000 MHz 1.067 ms (8001 pts)
MSG				STATUS	"ensep	
Port	1, Band n14, 758 - <sup>-</sup>	768 Mhz, 5 MH			w Channel, 76	60.5 MHz
	Frequency		Measured	Max Value	Limit	
r	Range 2		Freq (MHz) 757.9	(dBm) -21.23	(dBm) -19	Result Pass

RL	ctrum Analyzer - Elemen RF 50 Ω C		Jiogy	SENSE:INT	A 1	IGN OFF		07:19:15	AM Aug 03, 20
NL	NF   30 32 L	CORREC		SENSE . LINI		Avg Type:	PMS		AM AUG 03, 20 ACE 1 2 3 4
	-		PNO: Fast + IFGain:Low	Trig: Free R #Atten: 30 c	lun IB	Avg Hold: (		т	
dB/div	Ref Offset 41.33 Ref 41.33 dBi	dB m					Mki	1 757.90 -21.3	00 0 MH 227 dB
.3									
.3									
.3									
33									
57									
.7									DL1 -19.00
.7									
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
.7									
.7									
art 737.0	00 MHz 100 kHz		#V	BW 300 kHz*			#Sween	Stop 7 1.067 ms	57.90 Mi (8001 pi
						STATUS			vere p



	luency	Measured	Max Value	Limit	
R	ange	Freq (MHz)	(dBm)	< (dBm)	Result
	1	768	-25.75	-19	Pass
Keysight Spectrum Analyzer - Element I	Materials Technology				
	CORREC	SENSE:INT	ALIGN OFF		07:43:45 AM Aug 03, 2022
	PNO: Wide	🛶 Trig: Free Run	Avg Type: Avg Hold: 5	RMS 500/500	TRACE 1 2 3 4 5 TYPE A WWWW
	IFGain:Low	#Atten: 30 dB			DETANNNN
Ref Offset 41.33 c	IB			Mkr1 76	8.000 000 MHz -25.754 dBm
10 dB/div Ref 41.33 dBm		<b>v</b>			-20.704 UBN
31.3					
21.3					
11.3					
1.33					
1.33					
-8.67					
-18.7		1			DL1 -19.00 dBr
-28.7					
-38.7					
-48.7					
					4 700 4000 BALL
Start 767.9000 MHz #Res BW 30 kHz	#	VBW 100 kHz*			top 768.1000 MHz .067 ms (8001 pts
MSG			STATUS		
		Management			5 MHz
	luency ange	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
	2	768.1	-22.85	-19	Pass
				-	· · ·
Keysight Spectrum Analyzer - Element I	Materials Technology				
KA RL RF 50 Ω DC	CORREC	SENSE:INT	ALIGN OFF Avg Type:	DMS	07:50:26 AM Aug 03, 2022 TRACE 1 2 3 4 5
	PNO: Fast	Trig: Free Run #Atten: 20 dB	Avg Hold: 5	500/500	TYPE A WWWWW DET A NNNN

	PNO: Fast +++ IFGain:Low	Trig: Free Run #Atten: 20 dB	Avg Hold: 500/500	TYPE A WWWWW DET A N N N N
Ref Offset 41.33 d 0 dB/div Ref 41.33 dBm				Mkr1 768.100 MH: -22.851 dBn
og		Ĭ		
31.3				
21.3				
11.3				
.33				
.67				
8.7 1				DL1 -19.00 dE
28.7				
36.7				
18.7				
tart 768.10 MHz Res BW 100 kHz	#VBV	V 300 kHz*	#Sw	Stop 808.00 MH reep 7.467 ms (8001 pts
SG			STATUS	



3     769.04     -55.8     -52     Pass       Keysight Spectrum Analyzer - Element Materials Technology     Image: Constraint of the second s	I	Frequency		Measured	Max Value	Limit	
Keysight Spectrum Analyzer - Bernent Materials Technology         Auge 1         Auge 1         Auge 2         Bester 2         SENSE: INT         Auge 1         Bester 2         Best		Range		Freq (MHz)	(dBm)	< (dBm)	Result
24       RF       50 Ω DC       CORREC       SENSELIMI       Autom F       08/0731 AM and 0         10       B       PNO: Wide       Trig: Free Run       AvglHoid: 500/500       Trice Tree AvglHoid: 500/500         10       dB/ddl/v       Ref -3.00 dBm       -55.801 d       -55.801 d         130		3		769.04	-55.8	-52	Pass
28       RF       50 Ω       DC       CORREC       SENSELINT       Avid Fyler       08/07/31 AV Aug0 C         10       dB/ddiv       Ref -3.00 dBm       Trig: Free Run #Atten: 0 dB       Avig Type: RNS AvigHold: 500/500       Trice Tree Det Avia         10       dB/ddiv       Ref -3.00 dBm       -55.801 d       -55.801 d         130							
PNO: Wide IFGain:High         Trig: Free Run #Atten: 0 dB         AvgType: RMS AvgIHold: 500/500         Trace Run Trig: Free Run #Atten: 0 dB           0 dB/div         Ref -3.00 dBm         -55.801 d           130         -55.801 d         -55.801 d           130         -         -         -           130         -         -         -         -           130         -         -         -         -         -           130         -         -         -         -         -         -           230         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -			s	ENSE:INT	ALIGN OFF		08:07:31 AM Aug 03, 2022
Production       #Atten: 0 dB       Mkr1 769.039 00 h         10 dB/dtv       Ref -3.00 dBm       -55.801 d         -33 0					Avg Type:	RMS	TRACE 1 2 3 4 5
Mkr1 769.039 00 N -55.801 d -55.801 d -55					Avg Hold: (	500/500	DETANNNN
10 dB/div       Ref -3.00 dBm       -55.801 d         130			5			Mkr1 7	69.039 00 MHz
130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       130       1	10 dB/div Ref -3.00 d	Bm					-55.801 dBm
23.0 -33.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43.0 -43	Log			Ť			
-230	12.0						
330	-13.0						
-330	-23.0						
-430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430       -430							
-53.0       1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>-33.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-33.0						
-530       1       01.1.521         -630       -       -         -630       -       -         -630       -       -         -730       -       -         -630       -       -         -730       -       -         -630       -       -         -730       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -       -         -630       -							
-830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830         -830 <t< td=""><td>-43.0</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	-43.0						
-530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530         -530 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>DI 4 52 00 10</td></t<>							DI 4 52 00 10
-73.0       -73.0         -83.0       -73.0         -93.0       -73.0         Start 769.000 MHz       -75.000 I         #Res BW 6.8 kHz       #VBW 20 kHz*         Start 769.000 MHz       -75.000 I         #Res BW 6.8 kHz       #VBW 20 kHz*         Start 769.000 MHz       -75.000 I         #Res BW 6.8 kHz       #VBW 20 kHz*         Start 769.000 MHz       -75.000 I         Frequency       Measured         Max Value       Limit         Frequency       Measured         Max Value       Limit         Range       Freq (MHz)         (dBm)       < (dBm)	-53.0						DL1 -52.00 dBh
73.0 83.0 93.0 Start 769.000 MHz #Res BW 6.8 kHz #VBW 20 kHz* Stop 775.000 I Sweep 52.80 ms (8001 MsG Starts Start 769.000 MHz #Res BW 6.8 kHz Stop 775.000 I Sweep 52.80 ms (8001 Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Starts Start	Marganian .						
83.0	-63.0						
83.0		mon management					
Start 769.000 MHz #Res BW 6.8 kHz #VBW 20 kHz* Sweep 52.80 ms (8001 starus Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz Frequency Range Freq (MHz) (dBm) < (dBm) Result	-73.0					a the second	
.93.0       Start 769.000 MHz       Stop 775.000 I         #Res BW 6.8 kHz       #VBW 20 kHz*       Sweep 52.80 ms (8001         Msg       startus       startus         Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz       Frequency         Measured       Max Value       Limit         Range       Freq (MHz)       (dBm)       < (dBm)	93.0						
Start 769.000 MHz       Stop 775.000 I         #Res BW 6.8 kHz       #VBW 20 kHz*       Sweep       52.80 ms (8001         Msg       starus       starus         Port 1, Band n14, 758 - 768 Mbz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz         Frequency       Measured       Max Value       Limit         Range       Freq (MHz)       (dBm)       < (dBm)	-03.0						
#Res BW 6.8 kHz     #VBW 20 kHz*     Sweep     52.80 ms (8001       MSG     STATUS       Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz       Frequency     Measured     Max Value       Limit       Range     Freq (MHz)     (dBm)     < (dBm)	-93.0						
#Res BW 6.8 kHz     #VBW 20 kHz*     Sweep     52.80 ms (8001       Msg     status       Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz       Frequency     Measured     Max Value       Range     Freq (MHz)     (dBm)     < (dBm)							
#Res BW 6.8 kHz     #VBW 20 kHz*     Sweep     52.80 ms (8001       MSG     STATUS       Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz       Frequency       Measured     Max Value       Limit       Range     Freq (MHz)     (dBm)     < (dBm)							
Port 1, Band n14, 758 - 768 Mhz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz Frequency Measured Max Value Limit Range Freq (MHz) (dBm) < (dBm) Result			#VBV	V 20 kHz*		Sweep 5	5.00 775.000 MHz 2.80 ms (8001 pts
Frequency Measured Max Value Limit Range Freq (MHz) (dBm) < (dBm) Result					STATUS	anash a	( P
Frequency Measured Max Value Limit Range Freq (MHz) (dBm) < (dBm) Result							
Range Freq (MHz) (dBm) < (dBm) Result			Mhz, 5 MH				5 MHz
	I						
4 $1$ $300/0$ $-7/7$ $-57$ Pass	Γ						
		4		806.76	-12.12	-52	Pass
🚾 Keysight Spectrum Analyzer - Element Materials Technology	Keyright Spectrum Analyzer - Elec	ment Materials Technology					
🕅 RL RF 50 Ω DC CORREC SENSE:INT 🗛 ALIGN OFF 08:09:49 AM Aug 03			s	ENSE:INT			08:09:49 AM Aug 03, 2022
Avg Type: RMS TRACE				Trig: Free Run	Avg Type:	RMS	TRACE 1 2 3 4 5 TYPE A WWWW

	PNO: Wide →→ Trig IFGain:High #At	g:FreeRun Avg H ten:0dB	loid: 500/500	DET A NNNN
0 dB/div Ref -3.00 dBm			Mkr1 8	06.764 8 MH -72.719 dBr
og		Ĭ		
13.0				
23.0				
33.0				
43.0				
+3.0				DL1 -52.00 dB
53.0				De1 452.00 42
63.0				
/3.0				<b>♦</b> <sup>1</sup>
33.0				
93.0				
tart 799.000 MHz Res BW 6.8 kHz	#VBW 20	kHz*	Steep 78.9	op 808.000 MH 93 ms (8001 pts
SG		STATI		



	Frequency	Mhz, 5 MHz Bandwidth, 16Q/ Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-26.03	-19	Pass
	Analyzer - Element Materials Technology				
LXI RL RF	50 Ω DC CORREC	SENSE:INT	ALIGN OFF		08:40:59 AM Aug 03, 2022
		D: Wide +++ Trig: Free Run ain:Low #Atten: 30 dB	Avg Type: Avg Hold: 5	RMS 500/500	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN
Ref 10 dB/div Ref	Offset 41.33 dB 7 41.45 dBm			Mkr1 75	8.000 000 MHz -26.026 dBm
Log		- V			
31.5					
21.5					
11.5					
11.5					
1.45					
1.45					
-8.55					
-0.00					
-18.6					DL1 -19.00 dBm
10.0		1			
-28.6					
-38.6					
-48.6					
Start 757.9000					top 758.1000 MHz
#Res BW 30 kl		#VBW 100 kHz*			.067 ms (8001 pts)
MSG			STATUS		
Contract Distance of the second data of the					
P	Port 1, Band n14, 758 - 768	Mhz, 5 MHz Bandwidth, 16Q/	AM Modulation, Lo	ow Channel, 760.	5 MHz
	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	2	757.9	-20.95	-19	Pass

Avg Type: RMS Avg Hold: 500/500 MKr	TRACE 1234 TYPE A WWW DET A NNN 1 757.900 0 MH -20.949 dBi
Mkr	
	20.040 uD
	DL1 -19.00
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
	Stop 757.90 MI
#Sweep	1.067 ms (8001 pt
	#Sweep



	Frequency	,.	Measured	M Modulation, Hi Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-26.13	-19	Pass
	lyzer - Element Materials Technol 50 Ω DC CORREC		NSE:INT	ALIGN OFF Avg Type: Avg Hold: 5		08:33:56 AM Aug 03, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N
		IFGain:Low	#Atten: 30 dB			
Ref Of 10 dB/div Ref 4	fset 41.33 dB 1.33 dBm				Mkr1 76	8.000 000 MHz -26.127 dBm
31.3						
21.3						
11.3						
1.33						
-8.67						
-18.7						DL1 -19.00 dBm
			∳ <sup>1</sup>			
-28.7						
-38.7						
-48.7						
04						700 4000 500
Start 767.9000 N #Res BW 30 kHz		#VBW	100 kHz*		#Sweep 1.	top 768.1000 MHz 067 ms (8001 pts)
MSG				STATUS		
Por	t 1, Band n14, 758 - 7	768 Mhz 5 MHz	Bandwidth 1604	M Modulation Hi	ah Channel 765	5 MHz
10	Frequency		Measured	Max Value	Limit	
	Range 2		Freq (MHz) 768.15	(dBm) -23.18	< (dBm) -19	Result Pass

RL RF 50 Ω DC CORRE	C	SENSE:INT	ALIGN OFF		08:35:22 AM Aug 03, 20
	PNO: Fast ↔ IFGain:Low		Avg Type: RM Avg Hold: 500/	S	TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				Mkr1	768.155 MH -23.182 dBr
		Ť			
1.3					
.3					
.3					
33					
57					
7.1					DL1 -19.00 c
÷					
.7					
.7		· · · · · · · · · · · · · · · · · · ·		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~
.7					
art 768.10 MHz					Stop 808.00 MH
Res BW 100 kHz	#VE	W 300 kHz*		#Sweep 7.4	67 ms (8001 pt



		quency		Measured	Max Value	Limit	
	ĸ	ange		Freq (MHz)	(dBm)	< (dBm)	Result
		3		769	-56.89	-52	Pass
🛄 Keysight Spectrum Ar			у				- F
LXIRL RF	50 Ω D0	CORREC	S	ENSE:INT	ALIGN OFF Avg Type:	RMS	08:37:32 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
			NO: Wide ↔↔ Gain:High	Trig: Free Run #Atten: 0 dB	Avg Hold: 5	00/500	TYPE A WWWWWW DET A N N N N N
						Mkr1 7	69.000 00 MHz
10 dB/div Ref	-3.00 dBm						-56.891 dBm
U				Ť			
-13.0							
-23.0							
-33.0							
-43.0							
-43.0							
-53.0 1							DL1 -52.00 dBm
The second se							
-63.0							
	and a second						
-73.0		and the second				**************************************	*****
-83.0							
-93.0							
-95(0							
Start 769.000 M #Res BW 6.8 kH			#\/D\/	V 20 kHz*		Sweep 5	Stop 775.000 MHz 2.80 ms (8001 pts)
MSG	12		#VDV		STATUS	Sweep 5	2.80 ms (800 ms)
Po			8 Mhz, 5 MHz	Bandwidth, 16QA			5.5 MHz
		quency		Measured	Max Value	Limit	Decell
	R	ange 4		Freq (MHz) 804.66	(dBm) -72.87	< (dBm) -52	Result Pass
	1	4		004.00	-12.01	-02	Fass
Keysight Spectrum Ar	nalyzer - Element	Materials Technolog	1V				

K RL RF 50 9	DC CORREC		SENSE:INT	ALIGN OFF		08:38:49 AM Aug 03, 202
		PNO: Wide ↔→ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: Avg Hold: {		TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
0 dB/div Ref -3.00	dBm				Mkr	1 804.663 3 MH -72.872 dBr
og						
13.0						
23.0						
33.0						
13.0						
53.0						DL1 -52.00 dE
53.0						
63.0						
				1		
3.0				X		
33.0						
93.0						
tart 799.000 MHz						Stop 808.000 MH
Res BW 6.8 kHz		#VB	W 20 kHz*		Sweep	78.93 ms (8001 pts
SG		0.00		STATUS		
database international contraction and a state of the large state of the large state of the large state of the	a na sina ina anala mina manina ina manina ina manina ina manina manina manina manina manina manina manina mani	And in such that we have been and the second s	and the foreign and the second s	And a state of the second state and the second state of the second state of the second state of the second state		



	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-25.94	-19	Pass
10000					
	Im Analyzer - Element Materials Technolo RF 50 Ω DC CORREC	SENSE:INT	ALIGN OFF		08:47:43 AM Aug 03, 2022
		PNO: Wide →→→ Trig: Free Run FGain:Low #Atten: 30 dB	Avg Type: F Avg Hold: 5	RM S 00/500	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNN
10 dB/div	Ref Offset 41.33 dB Ref 41.45 dBm			Mkr1	758.000 000 MHz -25.942 dBm
Log		I I I			
31.5					
21.5					
11.5					
1.45					
-8.55					
-0.55					
-18.6					DL1 -19.00 dBm
-28.6					
-38.6					
-48.6					
Start 757.90		#\(B)M( 400 kH=*		#Current	Stop 758.1000 MHz 1.067 ms (8001 pts)
#Res BW 30		#VBW 100 kHz*	OT A THE	#Sweep	1.067 ms (8001 pts)
MSG			STATUS		
	Port 1, Band n14, 758 - 76	68 Mhz, 5 MHz Bandwidth, 64QA	M Modulation, Lo	w Channel, 7	60.5 MHz
	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	2	757.9	-20.45	-19	Pass

Keysight Spectrum Analyzer - Eleme           R L         RF         50 Ω	DC CORREC	SENSE:INT	ALIGN OFF	08:48:27 AM Aug 03, 20
	PNO: Fa IFGain:Lo		Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 TYPE A WWW DET A N N N
Ref Offset 41.3 dB/div Ref 41.33 dB	i3 dB Bm		M	kr1 757.900 0 MH -20.452 dB
.3				
.3				
.3				
3				
7				
7				DL1 -19.00 (
7				
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
7				
.7				
art 737.00 MHz tes BW 100 kHz		#VBW 300 kHz*	#Swee	Stop 757.90 Mi p 1.067 ms (8001 pt
			STATUS	



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-25.83	-19	Pass
Keysight Spectrum	n Analyzer - Element Materials Techno	logy				
	RF 50 Ω DC CORREC		SENSE:INT	ALIGN OFF		08:54:02 AM Aug 03, 2022
		PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type:   Avg Hold: 5	RMS 00/500	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A NNNNN
10 dB/div R	ef Offset 41.33 dB ef 41.33 dBm				Mkr1 76	8.000 000 MHz -25.831 dBm
Log			ľ			
31.3						
21.3						
11.3						
1.33						
-8.67						
-18.7			1			DL1 -19.00 dBm
					~	
-28.7						
-38.7						
-48.7						
Start 767.900	00 MHz		*		Si	top 768.1000 MHz
#Res BW 30		#VB	W 100 kHz*			067 ms (8001 pts)
MSG				STATUS		
			_			
	Port 1, Band n14, 758 - 7	'68 Mhz, 5 MH	z Bandwidth, 64QA Measured	Modulation, Hi Max Value	gh Channel, 765. Limit	5 MHz
	Frequency Range		Freq (MHz)	(dBm)	< (dBm)	Result
	2		768.1		-19	Pass
				-22.46		

	ctrum Analyzer - Element Materials Te						- 7 💌
RL	RF 50 Ω DC CORR	PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 20 dB	ALIGN OFF Avg Type: Avg Hold:		TI	5 AM Aug 03, 2022 RACE 1 2 3 4 5 TYPE A WWWW DET A N N N N
0 dB/div	Ref Offset 41.33 dB Ref 41.33 dBm					Mkr1 768 -22	.100 MHz 463 dBm
31.3							
21.3							
11.3							
3.67							
18.7 <b>1</b>							DL1 -19.00 dB
28.7							
38.7	******	10-10-10-10-10-10-10-10-10-10-10-10-10-1		*****		a. 1	
48.7							
start 768. Res BW		#VBI	N 300 kHz*		#Swee	Stop 8 p 7.467 m	308.00 MHz 5 (8001 pts
SG				STATUS			



FU	rt 1, Band n14, 758 -	768 IVINZ, 5 IVIHZ				.5 MHZ	
	Frequency		Measured	Max Value	Limit	Desult	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result	
	3		769.01	-55.7	-52	Pass	—
	alyzer - Element Materials Tech	nology					x
X RL RF	50 Ω DC CORREC		ENSE:INT	ALIGN OFF		08:56:38 AM Aug 03 20	22
		PNO: Wide ↔→ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: Avg Hold: {		TRACE 2 3 4 5 TYPE A WWW DET A N N N	6 AW N N
10 dB/div Ref	-3.00 dBm				Mkr1 7	69.007 50 MH -55.696 dBi	z m
10 dB/div Ref			Y				
-13.0							
-23.0							
-33.0							
-43.0							
-40.0							
-53.0						DL1 -52.00 dl	ðm
Wester and wester as							
-63.0	The second second						
-73.0	and the second second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			······		
-83.0							
-93.0							
Start 769.000 M #Res BW 6.8 kH		#\/D\	V 20 kHz*		Swoon F	Stop 775.000 MH 2.80 ms (8001 pt	Z
#Res BW 6.8 KF	12	#VB(	V 20 KH2"	STATUS	Sweep 5	2.80 ms (8001 pt	S)
mou				SIAIUS			
Po	rt 1, Band n14, 758 -	768 Mhz, 5 MHz				.5 MHz	
	Frequency		Measured	Max Value	Limit		
<b></b>	Range 4		Freq (MHz) 805.89	(dBm) -72.9	< (dBm) -52	Result Pass	
	4		000.09	-12.3	-02	Fdoo	

RL RF 50 Ω DC CORREC	50	ENSE:INT	ALIGN OFF		08:58:07 AM Aug 03, 2
	PNO: Wide ++++ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: Avg Hold: 5		TRACE 1 2 3 4 TYPE A WWW DET A NNM
dB/div Ref -3.00 dBm				Mki	r1 805.885 0 M -72.897 dE
.0		Ĭ			
0					
.0					
0					
.0					DL1 -52.00
.0					
.0				<b>•</b>	
.0					
.0					
art 799.000 MHz 2es BW 6.8 kHz	#\/B\A	/ 20 kHz*		Sween	Stop 808.000 M 78.93 ms (8001 p



	Frequency	Mhz, 5 MHz Bandwidth, 256Q/ Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-25.71	-19	Pass
RL F	n Analyzer - Element Materials Technology F 50 Ω DC CORREC PN IFG Pf Offset 41.33 dB ef 41.45 dBm	SENSE:INT O: Wide ↔ Trig: Free Run ain:Low #Atten: 30 dB	ALIGN OFF Avg Type: F Avg Hold: 50	00/500	08:50:23 M Aug 03, 2022 TRACE 2 3 4 5 6 TYPE A SHORE 3 A 16 7 TYPE A 16 7 TYPE A SHORE 3 A 16 7 TYPE A 17 TYPE A SHORE 3 A 16 7 TYPE A 16 7 TYPE A SHORE 3 A 16 7 TYPE A SHORE 3 A 16 7 TYPE A 3 TYPE A 3 TYPE A 3 TYPE A 3 TYPE 3 TYPE A 3 TYPE 3 TY
11.5 1.45 -8.65 -18.6					DL1-19.00 dBn
-38.6 -48.6 Start 757.900 #Res BW 30		#VBW 100 kHz*		#Sweep 1	Stop 758.1000 MHz 1.067 ms (8001 pts)
MSG	Port 1, Band n14, 758 - 768 Frequency Range 2	Mhz, 5 MHz Bandwidth, 256Q/ Measured Freq (MHz) 757.9	AM Modulation, Lo Max Value (dBm) -20.66	ow Channel, 76 Limit < (dBm) -19	0.5 MHz Result Pass
	n Analyzer - Element Materials Technology F 50 Ω DC CORREC		ALIGN OFF		08:51:37 AM Aug 03, 2022

	_	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 12345 TYPE A WWWW DET A NNNN
10 dB/div	Ref Offset 41.33 dB Ref 41.33 dBm				Mkr1 757.900 0 MHz -20.663 dBm
31.3					
21.3					
11.3					
1.33					
3.67					
18.7					DL1 -19.00 du
28.7					
38.7					
48.7					
Start 737.					Stop 757.90 MH
Res BW	100 kHz	#VB\	N 300 kHz*	#Sw STATUS	eep 1.067 ms (8001 pts



	Frequency		Measured	Max Value	Limit	
<b></b>	Range	T	Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-25.68	-19	Pass
Keysight Spectrum Ana	lyzer - Element Materials Tech 50 Ω DC CORRE		THEF ANT	A NUCL OFF		08:59:32 AM Aug 03, 2022
	DU SZ DU CORRE	5	ENSE:INT	ALIGN OFF Avg Type:	RMS	TRACE 1 2 3 4 5 6
		PNO: Wide ↔ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 5	00/500	TYPE A WWWWW DET A N N N N N
RefOf	fset 41.33 dB				Mkr1 76	8.000 000 MHz -25.683 dBm
10 dB/div Ref 4	1.33 dBm			1	1	-20.085 dBm
31.3						
21.3						
11.3						
1.33						
-8.67						
	~					
-18.7						DL1 -19.00 dBm
			<b>\</b> 1			
-28.7						
-38.7						
-48.7						
Start 767.9000 M #Res BW 30 kHz		#\/B\/	V 100 kHz*			top 768.1000 MHz .067 ms (8001 pts)
		#VDV	V TUU KHZ"		#Sweep 1.	.007 ms (8001 pts)
MSG				STATUS		
Port	1, Band n14, 758 -	768 Mhz, 5 MHz	Bandwidth, 256Q/	AM Modulation, H	igh Channel, 765	5.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	2		768.16	-23.08	-19	Pass

RL RF 50 Ω DC 0	CORREC	SENSE:INT	ALIGN OFF	09:01:34 AM Aug 03, 202
	PNO: Fast ++ IFGain:Low	. Trig: Free Run #Atten: 20 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				Mkr1 768.160 MH -23.083 dBr
1.3				
.3				
.3				
33				
67				
7 1				DL1 -19.00 d
7				
.7		and the second		
art 768.10 MHz Res BW 100 kHz	#VE	300 kHz*		Stop 808.00 MF Sweep 7.467 ms (8001 pt
9			STATUS	



	Frequency	68 Mhz, 5 MHz	Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	3		769.01	-55.97	-52	Pass
🔤 Keysight Spectrum Analyze		ology				
KAL RF	50 Ω DC CORREC	S	ENSE:INT	ALIGN OFF		09:03:13 AM Aug 03, 2022
		PNO: Wide ↔→ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Hold: 5		TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N
10 dB/div Ref -3.0	0 dBm				Mkr1 7	69.006 00 MHz -55.971 dBm
	JO UBIII		•		I I	
-13.0						
-23.0						
-33.0						
-43.0						
. 1						DL1 -52.00 dBm
-53.0						
West whet we						
-63.0						
	have been and the second					
-73.0					**************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-83.0						
02.0						
-93.D						
Start 769.000 MHz						Stop 775.000 MHz
#Res BW 6.8 kHz		#VBV	V 20 kHz*	Terror I	Sweep 52	2.80 ms (8001 pts)
MSG				STATUS		
Port 1	, Band n14, 758 - 7	68 Mbz 5 MHz	Bandwidth 2560	AM Modulation H	igh Channel 765	5 MHz
10111	Frequency	00 WINZ, 0 WINZ	Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	4		803.61	-72.9	-52	Pass
	· · ·					

Keysight Spe	ctrum Analyzer - Element Ma RF 50 Ω DC	terials Technology	SENSE:INT	ALIGN OFF	09:04:31 AM Aug 03, 2022
KL	RF   50 12 DC	PNO: Wide ↔		Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
0 dB/div	Ref -3.00 dBm			Ν	/lkr1 803.612 5 MH/ -72.901 dBn
13.0					
23.0					
33.0					
3.0					
3.0					DL1 -52.00 dE
3.0			<b>_</b> 1		
3.0	an da a an	an da an fan ar fan			<del></del>
3.0					
tart 799. Res BW	000 MHz 6.8 kHz	#VI	3W 20 kHz*	Swe	Stop 808.000 MH ep 78.93 ms (8001 pt
SG				STATUS	



	Frequency	Measure		Limit	
	Range	Freq (MH		< (dBm)	Result
	1	758	-28.11	-19	Pass
Keysight Spectrum Anal	lyzer - Element Materials Technology 50 Ω DC CORREC	SENSE:INT	ALIGN AUTO		10:40:16 AM Aug 03, 2022
	JUS2 DC CORREC		Avg Type	RMS	TRACE 1 2 3 4 5 6
	PNO: 1 IFGain	Wide 🛶 Trig: Free Ru n:Low #Atten: 30 dl		: 500/500	TYPE A WWWWW DET A NNNNN
Bef Of	fset 41.33 dB			Mkr1 7	58.000 000 MHz
10 dB/div Ref 4	1.45 dBm				-28.109 dBm
Log		Ý			
31.5					
21.5					
11.5					
1.45					
-8.55					
-18.6					DL1 -19.00 dBm
		∳ <sup>1</sup>			
-28.6					
-38.6					
-30.6					
-48.6					
Start 757.9000 N					Stop 758.1000 MHz
#Res BW 30 kHz		#VBW 100 kHz*		#Sweep 1	1.067 ms (8001 pts)
MSG			STATUS		,
Port	1, Band n14, 758 - 768 Mh			, ,	60.5 MHz
	Frequency	Measure		Limit	
	Range 2	Freq (MH 757.1	lz) (dBm) -22.86	< (dBm) -19	Result Pass
	۷	/5/.1	-22.80	-19	Pass

	Analyzer - Element Materials T		anna mal		
XI RL RI	F 50 Ω DC COF	PNO: Fast +++	Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: RMS Avg Hold: 500/500	10:41:01 AM Aug 03, 2022 TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N N
Ref 10 dB/div Re	f Offset 41.33 dB ef 41.33 dBm			I	Mkr1 757.095 4 MHz -22.860 dBm
31.3					
21.3					
11.3					
1.33					
8.67					
18.7					DL1 -19 0 1 3
28.7		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~~~
38.7					
48.7					
Start 737.00 N #Res BW 100		#VB	W 300 kHz*	#Swe	Stop 757.90 MHz eep 1.067 ms (8001 pts
ISG				STATUS	



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-31.28	-19	Pass
	liyzer - Element Materials Techno 50 Ω DC CORREC		SENSE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: F Avg Hold: 5		10:44:45 AM Aug 03, 2022 TRACE 12 3 4 5 G TYPE A DET A NNNN
Ref Of 10 dB/div Ref 4	ffset 41.33 dB 1.33 dBm				Mkr1	768.000 000 MHz -31.284 dBm
209			Ĭ			
31.3						
21.3						
11.3						
11.3						
1.33						
-8.67						
						DL1 -19.00 dBm
-18.7						2011-13.00 UDIN
-28.7			1			
-38.7						
-48.7						
Start 767.9000 N #Res BW 30 kHz		#\/P	W 100 kHz*		#Cwoon	Stop 768.1000 MHz 1.067 ms (8001 pts)
#Res DW JU KH2		#VD	W TOU KHZ	STATUS	#sweep	1.007 ms (8001 pts)
				STATUS		
Port	1, Band n14, 758 - 76	8 Mhz, 10 M⊦	lz Bandwidth, 256Q	AM Modulation, F	ligh Channel,	765.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range 2		Freq (MHz) 768.1	(dBm) -28.32	<ul> <li>(dBm)</li> <li>-19</li> </ul>	Result Pass

RL RF 50 Ω DC CORREC	SENSE:INT	ALIGN AUTO	10:46:04 AM Aug 03, 202
	PNO: Fast +++ Trig: Free Run IFGain:Low #Atten: 20 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
Ref Offset 41.33 dB dB/div Ref 41.33 dBm			Mkr1 768.100 MH -28.318 dBr
.3			
3			
3			
33			
7			DL1 -19.00 d
7			
7			
7	,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	۲۹۹۰ - ۲۰۰۹ - ۲۰۰۹ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ - ۲۹۹۰ -
art 768.10 MHz es BW 100 kHz	#VBW 300 kHz*	#Swee	Stop 808.00 MH p 7.467 ms (8001 pt



, .	Band n14, 758 - 768 Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	3		769.02	-59.54	-52	Pass
Keysight Spectrum Analyzer						- 7 -
LXIRL RF 5	50 Ω DC CORREC	SE	NSE:INT	ALIGN AUTO Avg Type:	RMS	10:47:06 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
	I	PNO: Wide ↔↔ FGain:High	Trig: Free Run #Atten: 0 dB	Avg Hold: (		DETANNNN
10 dB/div Ref -3.0	0 dBm				Mkr1 7	69.016 50 MHz -59.538 dBm
Log						
12.0						
-13.0						
-23.0						
-33.0						
-43.0						
-53.0						DL1 -52.00 dBm
-63.0						
and the second sec	m					
-73.0		*****	*********	nan dalam daga daga dalam dalam farang gana da ang an		
-83.0						
-93.0						
Start 769.000 MHz						Stop 775.000 MHz
#Res BW 6.8 kHz		#VBW	20 kHz*		Sweep 5	2.80 ms (8001 pts)
MSG				STATUS		
Port 1, E	Band n14, 758 - 768	3 Mhz, 10 MHz	Bandwidth, 256Q	AM Modulation, I	High Channel, 76	5.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	4		806.74	-72.65	-52	Pass
	Element Materials Technel					
	- Element Materials Technolo 50 Ω DC CORREC		NSE:INT	ALIGN AUTO		10:48:23 AM Aug 03, 2022
				Avg Type:	RMS	TRACE 1 2 3 4 5 6
		PNO: Wide 🔸	Trig: Free Run	Avg Hold:	500/500	DET A NNNN

	PNO: Wide Trig: Free Run IFGain:High #Atten: 0 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N
odB/div Ref -3.00 dBm		Mkr1	I 806.737 8 M⊦ -72.654 dBi
3.0			
3.0			
3.0			
3.0			
3.0			DL1 -52.00 dl
3.0			
3.0			<b>↓</b> <sup>1</sup>
3.0			
3.0			
tart 799.000 MHz			Stop 808.000 MF
Res BW 6.8 kHz	#VBW 20 kHz*	Sweep	78.93 ms (8001 pt



	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-25.96	-19	Pass
		SENSE:INT : Wide -→- Trig: Free Run in:Low #Atten: 30 dB	ALIGN AUTO Avg Type: I Avg Hold: 5		09:13:53 AM Aug 03, 2022 TRACE 12 3 4 5 0 TYPE A MANNIN DET A NNNNN
Ref Off 10 dB/div Ref 4	<sup>f</sup> set 41.33 dB <b>1.45 dBm</b>			Mkr1	758.000 000 MHz -25.964 dBm
31.5					
21.5					
11.5					
11.0					
1.45					
-8.55					
-18.6					DL1 -19.00 dBm
-10.0		<sup>1</sup>			
-28.6					
-38.6					
-48.6					
Start 757.9000 M #Res BW 30 kHz		#VBW 100 kHz*		#Sweep	Stop 758.1000 MHz 1.067 ms (8001 pts)
MSG			STATUS		
Por		Mhz, 5 MHz Bandwidth, QPS	K Modulation, Lo Max Value		60.5 MHz
	Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
	2	757.9	-21.87	-19	Pass

RL	ctrum Analyzer - Ele RF 50 Ω		DRREC	CI CI	ENSE:INT		ALIGN AUTO		00-14-4	AM Aug 03, 20
NC	10 50 52		NALC				Avg Type: F	MS		RACE 1 2 3 4
			PNO: Fas IFGain:Lo		Trig: Free R #Atten: 30 d		Avg Hold: 5	00/500		
dB/div	Ref Offset 41 Ref 41.33 (	.33 dB 1 <b>Bm</b>						Mki	1 757.9 -21.	00 0 MH 871 dB
9					Ť					
.3										
.3										
.3										
3										
57										
.7									مممي	DL1 -19.00 (
.7						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
.7										
.7										
art 737. es BW	00 MHz 100 kHz			#VBV	V 300 kHz*			#Sween	Stop 7 1.067 ms	757.90 Mi 5 (8001 pt
								"encop		-tere - br



	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	768	-27.01	-19	Pass
Keysight Spec	ctrum Analyzer - Element Materials Technology RF 50 Ω DC CORREC	SENSE:INT	ALIGN AUTO		09:27:57 AM Aug 03, 2022
	RF 30.32 DC CORREC		Avg Type:		TRACE 1 2 3 4 5 6
	PNO: IFGai	Wide +++ Trig: Free Run n:Low #Atten: 30 dB	Avg Hold: 5	00/500	TYPE A WWWWW DET A N N N N N
	Ref Offset 41.33 dB			Mkr1 76	8.000 000 MHz
10 dB/div	Ref 41.33 dBm				-27.010 dBm
Log		Ť			
31.3					
-31.3					
21.3					
21.3					
11.3					
1.33					
-8.67					
-18.7					DL1 -19.00 dBm
-28.7					
-38.7					
10.7					
-48.7					
Start 767.9		# (BW 400 LUL-1		S	top 768.1000 MHz
#Res BW 3	30 KHZ	#VBW 100 kHz*		#Sweep 1.	067 ms (8001 pts)
MSG			STATUS		
	Port 2, Band n14, 758 - 768 M	Abz 5 MHz Bandwidth OPS	K Modulation Hic	h Channel 765	5 MHz
	Frequency	Milz, 5 Miliz Baldwidth, Gr 5 Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	2	768.15	-25.09	-19	Pass

G		an a	STATUS	Miteroperatore para tana	on concentration of
tart 768.10 MHz Res BW 100 kHz	#VBW 300	kHz*	#	Sto Sweep 7.467	p 808.00 MH ms (8001 pt:
8.7					
3.7 - manager manager and a stranger	****	way on a strategy of the			
8.7					
8.7					DL1 -19.00 dE
.67					
.33					
1.3					
1.3					
1.3					
dB/div Ref 41.33 dBm		¥		-2	25.091 dBr
Ref Offset 41.33 dB	" Guineow			Mkr1 7	68.150 MH
	PNO: Fast Trig IFGain:Low #Att	: Free Run en: 20 dB	Avg Hold: 500/500		TYPE A WWWW DET A NNNN
RL RF 50 Ω DC COR	REC SENSE:IN	T	ALIGN AUTO Avg Type: RMS	09:2	8:37 AM Aug 03, 202 TRACE 1 2 3 4 5



	t 2, Band n14, 758 - 3 Frequency		Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Result	
	3		769.07	-59.97	-52	Pass	
	yzer - Element Materials Techno						
LXI RL RF	50 Ω DC CORREC	SE	NSE:INT	ALIGN AUTO Avg Type: I	DME	09:30:53 AM Aug 03, 202	2
		PNO: Wide +++	Trig: Free Run #Atten: 0 dB	Avg Hold: 5	600/500	TRACE 1 2 3 4 5 TYPE A WWW DET A N N N	6 ₩ N
					Mkr1	769.071 25 MH	
10 dB/div Ref -3	.00 dBm					-59.972 dBr	n
			Ť				
-13.0							
-23.0							
-33.0							
-43.0							
-53.0						DL1 -52.00 dE	m
<b>♦</b> 1							
-63.0 -63.0							
	all grow we wanted						
-73.0		······	and a second and a s				~
-83.0							
-93.0							
04-r4 700 000 14						04++ 775 000 MH	
Start 769.000 MH #Res BW 6.8 kHz		#\/B)A	/ 20 kHz*		Sween	Stop 775.000 MH 52.80 ms (8001 pts	2
			-50-0016	STATUS	oweep	or the local bit	2
MSG				STATUS			
Por	t 2, Band n14, 758 - 1	768 Mhz, 5 MH:	z Bandwidth, QPS	K Modulation, Hic	h Channel, 76	5.5 MHz	
	Frequency	.,	Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Result	
	4		805.08	-72.84	-52	Pass	

RL RF 50 Ω DC CO	REC SENSE:INT	ALIGN AUTO	09:32:27 AM Aug 03, 202
	PNO: Wide Trig: Free Run IFGain:High #Atten: 0 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N
dB/div Ref -3.00 dBm		Mł	r1 805.076 1 MH -72.838 dBi
3.0			
3.0			
.0			
3.0			
3.0			DL1 -52.00 d
.0			
8.0		· · · · · · · · · · · · · · · · · · ·	an a
3.0			
3.0			
tart 799.000 MHz Res BW 6.8 kHz	#VBW 20 kHz*	Sweet	Stop 808.000 MF 78.93 ms (8001 pt
G		STATUS	



I	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-26.43	-19	Pass
Keysight Spectrum Analyzer - Eler					
<b>LXI</b> RL RF 50 Ω	DC CORREC	SENSE:INT	ALIGN AUTO Avg Type:	RMS	09:17:20 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
	PNO: V IFGain:	Vide $\leftrightarrow$ Trig: Free Run Low #Atten: 30 dB	Avg Hold: 5	00/500	TYPE A WWWWW DET A NNNNN
Ref Offset 41.	33 dB			Mkr1 75	8.000 000 MHz
10 dB/div Ref 41.45 c	IBm				-26.433 dBm
Log					
31.5					
21.5					
11.5					
1.45					
-8.55					
-18.6					DL1 -19.00 dBm
		<b>↓</b> 1			
-28.6					
-38.6					
-48.6					
Start 757.9000 MHz					top 758.1000 MHz
#Res BW 30 kHz		#VBW 100 kHz*		#Sweep 1	.067 ms (8001 pts)
MSG			STATUS		
Port 2, Ba	nd n14, 758 - 768 Mł	nz, 5 MHz Bandwidth, 16Q	AM Modulation, Lo	w Channel, 760	.5 MHz
	Frequency	Measured	Max Value	Limit	
·	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	2	757.9	-21.87	-19	Pass

Keysight Spectrum Analyzer - Element Mater           RL         RF         50 Ω         DC		INSE:INT	ALIGN AUTO		09:19:13 AM Aug 03,
	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg Hold: 500/50	0	TRACE 1 2 3 TYPE A WW DET A NN
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				Mkr	1 757.900 0 N -21.872 d
-		ľ			
3					
.3					
.3					
33					
57					
7					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
7			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
7					
.7					
					04 757 00 P
art 737.00 MHz tes BW 100 kHz	#VBW	/ 300 kHz*		#Sweep	Stop 757.90 M 1.067 ms (8001
			STATUS	<u> (1997)</u>	



	ort 2, Band n14, 758 - 7 Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-27.22	-19	Pass
	nalyzer - Element Materials Techno					
LXIRL RF	50 Ω DC CORREC	SE	NSE:INT	ALIGN AUTO Avg Type:	RMS	09:34:09 AM Aug 03, 2022 TRACE 1 2 3 4 5
		PNO: Wide ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 5	600/500	TRACE 1 2 3 4 5 0 TYPE A WWWW DET A N N N N
		II Gam.Low			Mkr1 76	68.000 000 MHz
10 dB/div Ref	0ffset 41.33 dB <b>41.33 dBm</b>					-27.223 dBm
Log			Ť			
31.3						
31.3						
21.3						
11.3						
1.33						
-8.67						
-18.7						DL1 -19.00 dBm
10.1			1			
-28.7						
-38.7						
-48.7						
Start 767.9000		-41 (514)	400 611-*		#O	top 768.1000 MHz
#Res BW 30 kH		#VBW	100 kHz*	() and ()	#Sweep 1	.067 ms (8001 pts
MSG				STATUS		
Pr	ort 2, Band n14, 758 - 7	768 Mhz 5 MHz	Bandwidth 1604	M Modulation Hi	gh Channel 76	5.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	2		768.1	-25.27	-19	Pass

RL RF 50 Ω DC CORRE	C S	ENSE:INT	ALIGN AUTO	09:34:56 AM Aug 03, 20
,   <b>0 x tt</b>   <b>0</b> tt	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 20 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWW DET A N N N
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				Mkr1 768.100 MH -25.271 dB
-				
.3				
3				
3				
3				
7				
				DL1 -19.00 c
7				DE1-13.00 C
7				
7				
				Oton 909 00 MI
art 768.10 MHz es BW 100 kHz	#VBV	V 300 kHz*	#Swi	Stop 808.00 Mi eep 7.467 ms (8001 pi



	Frequency		Measured	Max Value	Limit	
	Range 3		Freq (MHz)	(dBm)	< (dBm) -52	Result Pass
	3		769.19	-59.83	-52	Pass
Keysight Spectrum Apalus	er - Element Materials Techno	logy				- 6
	50 Ω DC CORREC		ENSE:INT	ALIGN AUTO		09:36:08 AM Aug 03, 2022
		PNO: Wide +++ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: Avg Hold: 5		TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNNN
10 dB/div Ref -3.	00 dBm				Mkr1	769.194 25 MHz -59.834 dBm
Log			Ť			
-13.0						
-23.0						
-33.0						
-43.0						
-40.0						
-53.0						DL1 -52.00 dBm
and the second						
-63.0	www.www.					
-73.0		Martin Martin				
-83.0						
00.0						
-93.D						
Start 769.000 MH #Res BW 6.8 kHz		#VB\	№ 20 kHz*		Sweep 4	Stop 775.000 MHz 52.80 ms (8001 pts)
MSG				STATUS		
D. (	2, Band n14, 758 - 7				ah Ohanal 70	
Port	Z, Band n14, 758 - 7 Frequency	too IVINZ, 5 IVIH2	Z Bandwidth, 16QA Measured	Max Value	gn Channel, 76 Limit	5.5 WHZ
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	4		807.49	-72.82	-52	Pass

	ctrum Analyzer - Element Materials T					
(IRL	RF 50 Ω DC COR	PNO: Wide	NSE:INT Trig: Free Run #Atten: 0 dB	ALIGN AUTO Avg Type: R Avg Hold: 50	MS	09:37:48 AM Aug 03, 202 TRACE 1 2 3 4 5 TYPE A WWWM DET A N N N N
0 dB/div	Ref -3.00 dBm				Mkr1 8	07.485 9 MH -72.822 dBn
13.0						
23.0						
33.0						
43.0						
53.0						DL1 -52.00 dBi
63.0						<u> </u>
73.0						
33.0						
93.0						
Res BW		#VBW	20 kHz*		Sweep 78.	top 808.000 MH: 93 ms (8001 pts
SG				STATUS		



1 0.1	2, Band n14, 758 - Frequency	, <b>, , , , , , , , , , , , , , , , , , </b>	Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Result	
	1		758	-25.96	-19	Pass	
Ref Offs	ter - Element Materials Techn 50 Ω DC CORREC et 41.33 dB .45 dBm		Trig: Free Run #Atten: 30 dB	ALIGN AUTO Âvg Type: Avg Hold: 5	00/500	09:22:28 AM AU 27 TRACE [] 3 3 4 TYPE A WIN DET A NIN 8.0000 000 MI -25.960 dE	022 56 MWW N N
-18.65			1			DL1 -19.00	dBm
-38.6 -48.6 Start 757.9000 Mi	Hz					top 758.1000 M	Hz
#Res BW 30 kHz		#VBW	/ 100 kHz*			067 ms (8001 p	
MSG				STATUS			2.1.5
Port	2, Band n14, 758 -	768 Mhz, 5 MHz	z Bandwidth, 64QA	M Modulation, Lo	w Channel, 760.	5 MHz	_
	Frequency	,	Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Result	
	2		757.87	-21.92	-19	Pass	

RL	RF 50 Ω DC C	ORREC	SENSE:INT	ALIGN AUTO	09:2	3:23 AM Aug 03, 20
		PNO: Fast 🔸 IFGain:Low	→ Trig: Free Run #Atten: 30 dB	Avg Type: RM Avg Hold: 500/	S	TRACE 1 2 3 4 5 TYPE A WWW DET A N N N
	Ref Offset 41.33 dB Ref 41.33 dBm				Mkr1 757 -2	.868 7 MF 1.916 dB
.3			Ĭ			
.3						
.3						
3						
7						
7						DL1 -19.00 (
7						
7	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
.7						
art 737.0 es BW 1		#VE	300 kHz*		Stoj #Sweep 1.067	p 757.90 Mi ms (8001 pi
i kasavena				STATUS		



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-26.86	-19	Pass
We winds Construct And	lyzer - Element Materials Techi					
LXI RL RF	50 Ω DC CORREC		ENSE:INT	ALIGN AUTO		09:40:23 AM Aug 03 2022
		PNO: Wide ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: 5		TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N
Ref Of 10 dB/div Ref 4	fset 41.33 dB • <b>1.33 dBm</b>				Mkr1 76	8.000 000 MHz -26.862 dBm
			Ĭ			
31.3						
21.3						
11.3						
1.33						
-8.67						
-18.7						DL1 -19.00 dBm
-28.7			1			
-38.7						
-48.7						
Start 767.9000 N #Res BW 30 kHz		#\/B\/	V 100 kHz*			top 768.1000 MHz 067 ms (8001 pts)
MSG		#VBV	9-100 KHZ"	STATUS	#Sweep 1.	
Por	t 2, Band n14, 758 -	768 Mhz, 5 MHz	z Bandwidth, 64QA	M Modulation, Hi	gh Channel, 765	.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range 2		Freq (MHz) 768.1	(dBm) -24.44	< (dBm) -19	Result Pass

RL RF 50 Ω DC CORREC	Enderson Street Street Street	SENSE:INT	ALIGN AUTO		09:41:30 AM Aug 03, 20
	PNO: Fast ↔→ FGain:Low		Avg Type: RI Avg Hold: 50		TRACE 1 2 3 4 TYPE A WWW DET A NNN
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				M	kr1 768.100 MH -24.436 dB
.3		Ĭ			
.3					
.3					
33					
57					
.7 1					DL1 -19.00 d
.7					
.7					
.7			<b>***</b> *********************************	d	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
art 768.10 MHz tes BW 100 kHz	#VB	W 300 kHz*		#Sween	Stop 808.00 MH 7.467 ms (8001 pt



I	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	3	769.11	-59.76	-52	Pass
Keysight Spectrum Analyzer - Eler					
<b>μα RL RF 50 Ω</b>	DC CORREC	SENSE:INT	ALIGN AUTO Avg Type:	RMS	09:44:01 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
	PNO: V IFGain:	Wide 🛶 Trig: Free Run :High #Atten: 0 dB	Avg Hold:	500/500	
				Mkr1 7	69.111 75 MHz
10 dB/div Ref -3.00 d	Bm				-59.759 dBm
Log		The second secon			
-13.0					
-23.0					
20.0					
-33.0					
-43.0					
-53.0					DL1 -52.00 dBm
-63.0					
-73.0		*********************	**************************************		
-83.0					
-93.0					
-53.0					
Start 769.000 MHz		4V/DW/ 20 klist		0	Stop 775.000 MHz 2.80 ms (8001 pts)
#Res BW 6.8 kHz		#VBW 20 kHz*		sweep 5	2.80 ms (8001 pts)
MSG			STATUS		
Port 2 Ba	nd n14, 758 - 768 M	hz, 5 MHz Bandwidth, 640	DAM Modulation H	igh Channel, 765	.5 MHz
	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	4	803.97	-72.87	-52	Pass

RL RF 50 Ω DC COF	RREC S	ENSE:INT	ALIGN AUTO	09:46:1	0 AM Aug 03, 202
	PNO: Wide ↔↔ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: RMS Avg Hold: 500/50	Ю	RACE 1 2 3 4 5 TYPE A WWWW DET A N N N N
dB/div Ref -3.00 dBm				Mkr1 803.9 -72	65 8 MH .874 dBr
3.0					
3.0					
.0					
.0					DL1 -52.00 d
.0			1		
.0	**************************************		an diferin and a state of the second s		
.0					
				Ct	00 000 54
art 799.000 MHz Res BW 6.8 kHz	#VBN	№ 20 kHz*		Sweep 78.93 m	08.000 MH s (8001 pt
		And the fact of the fact of the	STATUS		



Freq	uency	Measured	Max Value	Limit	
Ra	nge	Freq (MHz)	(dBm)	< (dBm)	Result
	1	758	-26.22	-19	Pass
🧱 Keysight Spectrum Analyzer - Element M					
KL RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO Avg Type:	DMS	09:24:59 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
	PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 5		
Ref Offset 41.33 dl 10 dB/div Ref 41.45 dBm				Mkr1 7	58.000 000 MHz -26.219 dBm
10 dB/div Ref 41.45 dBm		Y			
31.5					
21.5					
11.5					
11.5					
1.45					
1.40					
-8.55					
-18.6					DL1 -19.00 dBm
		<b>1</b>			
-28.6					
-38.6					
-48.6					
Start 757.9000 MHz		<b>_</b>			top 758.1000 MHz
#Res BW 30 kHz	#	VBW 100 kHz*		#Sweep 1	.067 ms (8001 pts)
MSG			STATUS		
Port 2, Band n1	4, 758 - 768 Mhz, 5	MHz Bandwidth, 256Q	AM Modulation. L	ow Channel. 76	0.5 MHz
	uency	Measured	Max Value	Limit	
	nge	Freq (MHz)	(dBm)	< (dBm)	Result
	2	757.9	-21.36	-19	Pass

RL RF 50 Ω DC	CORREC SENSE:INT PNO: Fast →→ Trig: Free Run IFGain:Low #Atten: 30 dB	ALIGN AUTO Avg Type: RMS Avg Hold: 500/500	09:25:35 AM Aug 03, 202 TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N N
Ref Offset 41.33 dB dB/div Ref 41.33 dBm	, camen	I	Mkr1 757.900 0 MH -21.357 dBr
1.3			
1.3			
1.3			
33			
.7			DL1 -19.00 d
.7			
.7			
3.7			
art 737.00 MHz tes BW 100 kHz	#VBW 300 kHz*	#Sw(	Stop 757.90 MH eep 1.067 ms (8001 pt
3		STATUS	



	Frequency	, -	Measured	AM Modulation, H Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Resul	t
	1		768	-26.64	-19	Pass	
Keysight Spectrum A	nalyzer - Element Materials Techn	ology					
	50 Ω DC CORREC		ENSE:INT	ALIGN AUTO		09:48:51 AM A	Aug 03, 2022
		PNO: Wide ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type:   Avg Hold: 5		TRACE TYPE DET	1 2 3 4 5 6 A WWWW A N N N N N
10 dB/div Ref	Offset 41.33 dB 41.33 dBm				Mkr1	768.000 00 -26.63	
Log			Ĭ				
31.3							
-5115							
21.3							
21.3							
11.3							
1.33							
-8.67							
-18.7						DL	.1 -19.00 dBm
			↓ <sup>1</sup>				
-28.7							
-38.7							
-48.7							
Start 767.9000	MHz					Stop 768.10	00 MHz
#Res BW 30 kl		#VBV	V 100 kHz*		#Sweep	1.067 ms (8	
MSG				STATUS			
Po	ort 2, Band n14, 758 - 7	768 Mhz, 5 MHz	Bandwidth, 256Q/	AM Modulation, H	igh Channel, 7	765.5 MHz	
	Frequency		Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Resul	
	2		768.13	-24.15	-19	Pass	

Keysight Spectrum Analyzer - Element Materials				
RL RF 50 Ω DC CO	RREC SENSE:II			09:49:49 AM Aug 03, 20
		g: Free Run A ten: 20 dB	vg Type: RMS vg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N
Ref Offset 41.33 dB dB/div Ref 41.33 dBm			ľ	Mkr1 768.130 MH -24.145 dBi
1.3				
1.3				
1.3				
33				
57				
.7.1				DL1 -19.00 c
7				
.7				
	**************************************	**************************************	······································	
3.7				
art 768.10 MHz Res BW 100 kHz	#VBW 300	∩ kHz*	#Swee	Stop 808.00 Mł p  7.467 ms (8001 pt
	#*Bit 33		"Owee	



		equency		Measured	Max Value	Limit		
		Range	T	Freq (MHz)	(dBm)	< (dBm)		sult
		3		769.1	-59.48	-52	P	ass
Keysight Spectrum A								
KI RL RF	50 \$2	DC CORREC	-	SENSE:INT	ALIGN AUTO Avg Type:	RMS	TI	AM Aug 03, 2022 RACE 1 2 3 4 5 6
			PNO: Wide 🔸	<ul> <li>Trig: Free Run #Atten: 0 dB</li> </ul>	Avg Hold: (	500/500		
	2 00 45					Mkr1	769.10	1 25 MHz 476 dBm
10 dB/div Ref	-3.00 dB	m		<b>•</b>			-00.	
-13.0								
-23.0								
-33.0								
-43.0								
								DL1 -52.00 dBm
-53.0								DEN OLIOO GEMI
and the second second								
-63.0	monumere							
		herennen	mourneterent					
-73.0							and an and a star of the second star	
-83.0								
-93.0								
-90.0								
Start 769.000 M								75.000 MHz
#Res BW 6.8 k	Hz		#VB	W 20 kHz*		Sweep	52.80 m	s (8001 pts)
MSG					STATUS			
Pr	ort 2 Band	n14 758 -	768 Mbz 5 MH	z Bandwidth, 256QA	M Modulation H	ligh Channel	765 5 MHz	
10		equency		Measured	Max Value	Limit	. 00.0 1411 12	
		Range		Freq (MHz)	(dBm)	< (dBm)	Re	esult
		4		804.03	-72.82	-52		ass
÷							•	

RL	RF	50 Ω	DC	CORREC		S	ENSE:INT	A	LIGN AUTO			2 AM Aug 03, 20
					PNO: Wide IFGain:High	• <b>•</b> •	Trig: Free Rur #Atten: 0 dB	1	Avg Type: I Avg Hold: 5		т	TYPE A WWW DET A NNN
dB/div	Ref -	3.00 dE	3m							Mk	r1 804.0 -72	026 5 MF .819 dBi
3.0												
3.0												
3.0												
3.0												
.0												DL1 -52.00 c
.0												
.0		ور میروند. مورو میروند و میروند و میروند و میرو میرو میرو میرو میرو میرو میرو می					water and the second	<b>♦</b> <sup>1</sup>		1)		
art 799.0 Res BW					#	VBV	V 20 kHz*			Sweep	Stop 8	08.000 MH s (8001 pt
			- A	and the second second				and a state of the state	STATUS		1 510 6 11	e que e la pe



	Frequency		Measured	Max Value	Limit		
	Range		Freq (MHz)	(dBm)	< (dBm)	Re	sult
	1		758	-27.08	-19	Pa	ass
Keysight Spectrum Analyzer	50 Ω DC CORREC	SEN	SE:INT Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: F Avg Hold: 5	RM S 00/500	TR	AM Aug 03, 2022 ACE 1 2 3 4 5 6 YPE A WWWW DET A NNNN
Ref Offset 10 dB/div Ref 41.4	: 41.33 dB 5 dBm				Mkr1		000 MHz 083 dBm
Log			Ť				
31.5							
21.5							
11.5							
1.45							
-8.55							
-18.6			1				DL1 -19.00 dBm
-28.6							
20.0							
-38.6							
-48.6							
Start 757.9000 MHz #Res BW 30 kHz	· · · · · · · · · · · · · · · · · · ·	#VBW	100 kHz*		#Sween	Stop 758	.1000 MHz (8001 pts)
MSG				STATUS	"owcep	These in this	(one i pra)
Port 2, I	Band n14, 758 - 768	Mhz, 10 MHz I	,		,	760.5 MHz	
	Frequency		Measured	Max Value	Limit		a
	Range 2	1	Freq (MHz) 757.71	(dBm) -21.49	< (dBm) -19		sult ass

RL	RF 50 Ω	DC CORREC		SENSE:INT		ALIGN AUTO		10:32:30	AM Aug 03, 20
			PNO: Fast ↔ IFGain:Low			Avg Type:   Avg Hold: 5		TR T	ACE 1 2 3 4
dB/div	Ref Offset 41.33 Ref 41.33 dB	dB m					Mki	1 757.7 <sup>-</sup> -21.	11 9 M⊦ 494 dB
.3									
.3									
.3									
33									
37									
.7									DL1 -19.00 c
7							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~
.7	······	~							
.7									
art 737.00 les BW 10			#VI	3W 300 kHz	*		#Sweep	Stop 7 1.067 ms	57.90 Mi (8001 pi
	an ha a shaka da sha dashi da a'a	Keep Keep Land Constant of the set	have been to be dealer to be	the state of the state of the state		STATUS			



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	1		768	-29.97	-19	Pass
20 RL RF 10 dB/div Ref 31.3 21.3	Analyzer - Element Materials Techn 50 Ω DC CORREC COffset 41.33 dB f 41.33 dBm		Trig: Free Run #Atten: 30 dB	ALIGN AUTO Avg Type: Avg Hold: 5	00/500	10:34:17 AM Aug 03, 2022 TRACE 12, 34 5 6 TYPE A WHWW DET A NNNNN 688.000 000 MHz -29.972 dBm
11.3 1.33 -8.67 -18.7						DL1 -19.00 dBm
-28.7						
Start 767.9000 #Res BW 30 k		#VB\	№ 100 kHz*	STATUS		Stop 768.1000 MHz I.067 ms (8001 pts)
Po	ort 2, Band n14, 758 - 7	68 Mhz, 10 MH	z Bandwidth, 256Q	AM Modulation, H	ligh Channel, 76	65.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz) 768.16	(dBm) -26.34	<ul> <li>(dBm)</li> <li>-19</li> </ul>	Result Pass

Res BW 1	UU KHZ		#VBV	V 300 kHz*	#Sweep 7.467 ms (8001 pt			
tart 768.1			-43 (153)			<b>#6</b>	Stop	808.00 MH
8.7								
3.7		and the second second second	والمراجع والمراجع والمراجع والمستعد المحل			mpturanterupa		
3.7								
3.7								DL1 -19.00 dE
67								
33								
1.3								
.3								
.3								
dB/div	Ref 41.33 dBr	n n		•		1	-20	6.341 dBi
	Ref Offset 41.33		Gain:Low	#Atten: 20 dB				8.160 MH
			NO: Fast +++ Gain:Low	Trig: Free Run #Atten: 20 dB	Avg Type: Avg Hold:			TYPE A WWW DET A NNN
RL	RF 50 Ω D	C CORREC	S	ENSE:INT	ALIGN AUTO	DIMO		:52 AM Aug 03, 202 TRACE 1 2 3 4 5



	Frequency		Measured	Max Value	Limit	
	Range		Freq (MHz)	(dBm)	< (dBm)	Result
	3		769.29	-59.47	-52	Pass
🔤 Keysight Spectrum Analyz						
LXI RL RF	50 Ω DC CORRE	ic I	SENSE:INT	ALIGN AUTO Avg Type:	RMS	10:35:57 AM Aug 03, 2022 TRACE 1 2 3 4 5 6
		PNO: Wide ↔↔ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Hold: 5		TYPE A WWWW DET A N N N N N
					Mkr1	769.286 50 MHz
10 dB/div Ref -3.0	00 dBm					-59.472 dBm
Log			Ť			
-13.0						
-23.0						
-33.0						
-43.0						
-53.0						DL1 -52.00 dBm
and an interim the second second						
-63.0	warmen a harden and a					
	and the second s	many management				
-73.0						*********
00.0						
-83.0						
-93.0						
Otort 760 000 Mile						Stop 775 000 Mile
Start 769.000 MHz #Res BW 6.8 kHz		#VB	W 20 kHz*		Sweep	Stop 775.000 MHz 52.80 ms (8001 pts)
MSG				STATUS		
Port 2,		768 Mhz, 10 MH	z Bandwidth, 256Q			765.5 MHz
	Frequency		Measured	Max Value	Limit	
	Range	Т	Freq (MHz)	(dBm)	< (dBm)	Result
	4		802.9	-72.79	-52	Pass

RL	trum Analyzer - Element RF 50 Ω D			SENSE:INT	ALIGN AUTO		10:37:47 AM Aug 03,
NC	10 10 32 01	CONNEC		JENJELINI	Avg Type: R	MS	TRACE 1 2 3
			PNO: Wide ↔ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Hold: 50		TYPE A WWA DET A NN
) dB/div	Ref -3.00 dBm	h				Mki	1 802.897 0 M -72.792 di
3.0							
.0							
.0							
.0							
.0							DL1 -52.00
.0							
.0	<u>ىر ئۆلۈر بەر مەر بەر بەر بەر بەر بەر بەر بەر بەر بەر ب</u>		A	<b>♦</b> <sup>1</sup>			
.0							
.0							
art 799.0 Res BW 6			#V	BW 20 kHz*		Sweep	Stop 808.000 N 78.93 ms (8001
3					STATUS		



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 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. For Multiband operation, measurements were taken at the lower band edge of the lower band and the upper band edge of the upper band.

The spectrum was scanned below the lower band edge and above the higher band edge.

Per FCC section 27.53(g) and RSS 130 4.7.1, FCC section 90.543(e)(3) and RSS 140 4.4 the power of any emission outside of the authorized operating frequency range cannot exceed -13 dBm. The limit is adjusted to -19 dBm [-13 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter for 5G NR Band n12.

FCC section 27.53(g) and RSS 130 4.7.1, FCC section 90.543(e)(3) and RSS 140 4.4 requires a >100 kHz measurement bandwidth for emissions 100 kHz outside of the RRH operating frequency range. FCC section 27.53(g) and RSS 130 4.7.1, FCC section 90.543(e)(3) and RSS 140 4.4 requires a >30 kHz measurement bandwidth for emissions between 100 kHz outside of the RRH operating frequency range and band edge of the operating frequency range.

FCC 90.543(e)(1) and RSS 140 4.4a requires an emission limit of -46dBm for any 6.25 kHz bandwidth between frequency bands 769-775 MHz and 799-806 MHz (Note that the upper frequency for Part 90 is 805MHz and RSS 140 is 806MHz). The limit is adjusted to -52 dBm per 6.25kHz bandwidth [-46 dBm -10 log (4)] per FCC KDB 662911D01 v02r01 because the BTS may operate as a 4 port MIMO transmitter.

Spectrum analyzer reference level offset corrections were applied for the Band n14 band edge measurements from 769MHz-775MHz and 799MHz to 808MHz.

AHLBBA antenna port s 1&4 are essentially electrically identical (the RF power variation between antenna ports is small as shown in the 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.

#### Multicarrier/Multiband test cases:

Multi-Carrier Test Case 1 (3GPP Band n12 Multicarrier): Three NR5 carriers using two carriers (with minimum spacing between carrier frequencies) at the lower band (731.5MHz & 736.5MHz) and a third carrier with maximum spacing between the other two carrier frequencies (742.5MHz) at the upper band edge. The NR 5Mhz channel bandwidth was selected to maximize carrier power spectral density. The carriers are operated at maximum power for a total port power of 80 watts (~26.6W/Band n12 carriers).

Multi-Carrier Test Case 2 (3GPP Band n12 and Band n14 Multicarrier/Multiband): In the Band n12 \_ Two NR 5MHz carriers at the lower band edge (731.5 & 736.5MHz). In Band n14 one NR 5MHz carrier at the upper band edge 765.5MHz. The carriers are operated at maximum power for a total port power of 80 watts (~26.6W/Band n12/n14 carriers).



							CICILICI		
		0/075				TbtTx 2022.05.02.0	XMit 2022.0		
	AHLBBA (C2PC/C3PC FCC	J/ISED)			Work Order:				
Serial Number:						5-Aug-22			
	Nokia Solutions and Netwo	orks		Temperature: 20.4 °C Humidity: 58.3% RH					
	Mitchell Hill								
Project:					Barometric Pres.:				
	Marty Martin		Power: 54VDC		Job Site:	TX07			
EST SPECIFICATI	ONS		Test Method						
CC 27:2022			ANSI C63.26:2015						
FCC 90R:2022			ANSI C63.26:2015						
RSS-130 Issue 2: 20	019 and RSS 140 Issue 1: 20	018	ANSI C63.26:2015						
COMMENTS									
	sses were accounted for in the refe	ference level offset including attenuators, cables, DC block a	and filter when in use. Band n12 and Band n14 of	arriers were operating at maximu	m power in each applic	able test case to achieve	a total port powe		
30 watts.									
	I TEST STANDARD								
None									
Configuration #	2, 4	Monty	Marti						
	<u> </u>	Signature J	Frequency	Measured	Max Value	Limit			
			Range	Freq (MHz)	(dBm)	< (dBm)	Result		
	-Carrier Test Case 1 Band n12, 729 - 745 Mhz 5 MHz Bandwid	idth JPSK Modulation							
	9	Low Channel, 731.5 MHz	1	729	-31.6	-19	Pass		
		Low Channel, 731.5 MHz	2	728.78	-27.2	-19	Pass		
		High Channel, 742.5 MHz	1	745	-31.8	-19	Pass		
		High Channel, 742.5 MHz	2	745.39	-26.9	-19	Pass		
	-Carrier Test Case 2 Band n12, 729 - 745 Mhz, Ba 5 MHz Bandwid Q	idth QPSK Modulation							
		Low Channel, 731.5 MHz	1	729	-28.8	-19	Pass		
		Low Channel, 731.5 MHz	2	728.87	-24.4	-19	Pass		
		High Channel, 765.5 MHz	1	768	-29.1	-19	Pass		
		High Channel, 765.5 MHz	2	768.1	-25.3	-19	Pass		
		High Channel, 765.5 MHz	3	769.03	-54.5	-52	Pass		
		High Channel, 765.5 MHz	4	805.99	-73.0	-52	Pass		
	-Carrier Test Case 1 Band n12, 729 - 745 Mhz 5 MHz Bandwid Q	idth JPSK Modulation							
		Low Channel, 731.5 MHz	1	729	-28.9	-19	Pass		
		Low Channel, 731.5 MHz	2	728.9	-24.0	-19	Pass		
		High Channel, 742.5 MHz	1	745	-27.3	-19	Pass		
		High Channel, 742.5 MHz	2	745.11	-22.8	-19	Pass		
	-Carrier Test Case 2 Band n12, 729 - 745 Mhz, Ba 5 MHz Bandwic Q								
		Low Channel, 731.5 MHz	1	729	-26.5	-19	Pass		
		Low Channel, 731.5 MHz	2	728.72	-21.4	-19	Pass		
		High Channel, 765.5 MHz	1	768	-25.3	-19	Pass		
					-20.0	-10	1 0 2 2		
			2	768 11	-21.3	_10	Page		
		High Channel, 765.5 MHz	2	768.11	-21.3	-19	Pass		
			2 3 4	768.11 769.37 806.33	-21.3 -54.9 -72.9	-19 -52 -52	Pass Pass Pass		



Frequency Range	Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
1	729	-31.61	-19	Pass
Keysight Spectrum Analyzer - Element Materials Tec				
RL RF 50Ω DC CORRE		ALIGN OFF Avg Type:		06:09:18 AM Aug 05, 2022 TRACE 1 2 3 4 5 6
	PNO: Wide +++ Trig: Free Run IFGain:Low #Atten: 30 dB	Avg Hold: {	500/500	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N
Ref Offset 41.21 dB			Mkr1 7	29.000 000 MHz
10 dB/div Ref 41.21 dBm				-31.611 dBm
	The second se			
31.2				
21.2				
11.2				
1.21				
-8.79				
				DL1 -19.00 dBm
-18.8				DE1 -19.00 dBm
-28.8	1			
20.0				
-38.8				
-48.8				
Start 728.9000 MHz				Stop 729.1000 MHz
#Res BW 30 kHz	#VBW 100 kHz*	hard and the	#Sweep	1.067 ms (8001 pts)
MSG		STATUS		
ort 1, 5G NR, Multi-Carrier Test Case	1 Band n12 729 - 745 Mbz 5 Mb	Hz Bandwidth OPS	K Modulation	ow Channel 731 5 M

POILI	, SG INR, MUILI-C	amer rest Case	i, Danu 1112, 729		z banuwiutii, QP3	SK WOULIALION, LO	Jw Channel, 731.
		Frequency		Measured	Max Value	Limit	
		Range		Freq (MHz)	(dBm)	< (dBm)	Result
		2		728.78	-27.21	-19	Pass

RL RF 50 Ω DC CO	RREC SENSE:INT	r I	ALIGN OFF		06:10:11 AM Aug 05,
		Free Run en: 30 dB	Avg Type: R Avg Hold: 50		TRACE 1 2 3 TYPE A WW DET A N N
Ref Offset 41.21 dB dB/div Ref 41.21 dBm				Mki	r1 728.779 8 M -27.205 dl
2					
.2					
.2					
2					
21					
79					
8					DL1 -19.0
8			~~~~~~	~~~~~	
.8					
.8					
art 708.00 MHz es BW 100 kHz	#VBW 300	kHz*		#Sweep	Stop 728.90 M 1.067 ms (8001
G G G G G G G G G G G G G G G G G G G	#VBW 300	KHZ°	STATUS	#Sweep	1.067 ms (8001



	Frequency Range		Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
	1		745	-31.75	-19	Pass
	zer - Element Materials Technolo	ogy				- <b>8 ×</b>
KXIRL RF	50 Ω DC CORREC		SENSE:INT	ALIGN OFF Avg Type:	DMS	06:13:09 AM Aug 05, 2022
		PNO: Wide ↔ IFGain:Low	. Trig: Free Run #Atten: 30 dB	Avg Hold:	500/500	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNN
Ref Off 10 dB/div Ref 41	set 41.21 dB . <b>21 dBm</b>				Mkr1 74	5.000 000 MHz -31.751 dBm
			Ť			
31.2						
21.2						
11.2						
1.21						
-8.79						
-18.8	<u> </u>					DL1 -19.00 dBm
10.0						
-28.8	`		<u> </u>			
-38.8						
-48.8						
Start 744.9000 M	Hz					top 745.1000 MHz
#Res BW 30 kHz		#VB	W 100 kHz*		#Sweep 1.	.067 ms (8001 pts)
MSG				STATUS		

Port I	, 5G NR, Mulli-Ca	amer rest Case i	, Band n12, 729	- 745 MINZ, 5 MIHZ	z Bandwidth, QPS	K wodulation, H	ign Channel, 742.
		Frequency		Measured	Max Value	Limit	
		Range		Freq (MHz)	(dBm)	< (dBm)	Result
		2		745.39	-26.86	-19	Pass

RL RF 50 Ω DC 0	Is Technology	SENSE:INT	ALIGN OFF	06:13:55 AM Aug 05, 202
	PNO: Fast ++ IFGain:Low	- Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
Ref Offset 41.21 dB dB/div Ref 41.21 dBm			M	kr1 745.391 0 MH -26.860 dBi
		Í Í		
.2				
.2				
2				
21				
9				
8				DL1 -19.00 c
<b>♦</b> <sup>1</sup>				
8	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
8				
.8				
art 745.100 MHz tes BW 100 kHz	#\/B	W 300 kHz*	#Swoo	Stop 765.000 MH p 1.067 ms (8001 pt
es bw Too Kiiz	**VE	11 500 KHZ	STATUS	5 1.007 ms (8001 pt



Frequency		Measured	Max Value	Limit	
Range		Freq (MHz)	(dBm)	< (dBm)	Result
1		729	-28.82	-19	Pass
Keysight Spectrum Analyzer - Element Materials T	echnology				
XIRL RF 50Ω DC COR		SENSE:INT	ALIGN OFF		09:54:02 AM Aug 05, 2022
	PNO: Wide ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: F Avg Hold: 5	RMS 00/500	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N
Ref Offset 41.21 dB 10 dB/div Ref 41.21 dBm				Mkr1 72	9.000 000 MHz -28.815 dBm
		Ť			
31.2					
21.2					
11.2					
1.21					
-8.79					
-18.8					DL1 -19.00 dBm
-28.8		∳ <sup>1</sup>			
-38.8					
-48.8					
Start 728.9000 MHz				S	top 729.1000 MHz
#Res BW 30 kHz	#VB	W 100 kHz*		#Sweep 1.	067 ms (8001 pts)

 Port 1, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mhz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 731.5 MHz

 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)

 Result

 2
 728.87
 -24.42
 -19
 Pass

RL	RF 50 Ω	DC CORREC		SE	INSE:INT	AA	LIGN OFF	a sea a due a parte de	09:54:5	3 AM Aug 05, 20
			PNO: Fast IFGain:Low	•••	Trig: Free Run #Atten: 30 dB		Avg Type: R Avg Hold: 50		Т	RACE 2 3 4 S TYPE A WWW DET A NNN
dB/div	Ref Offset 41.2' Ref 41.21 dE	1 dB Sm						Mki		71 3 MH .416 dBi
9					ľ					
.2										
.2										
.2										
1										
·9										
8										DL1 -19.00 d
.8				~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~				
.8										
.8 8										
art 708.	00 MHz								Stop	728.90 MI
	100 kHz		#	VBW	/ 300 kHz*			#Sweep	1.067 m	s (8001 pt



Frequency		Measured	Max Value (dBm)	Limit < (dBm)	Result
Range	1	Freq (MHz) 768	-29.1	-19	Pass
	I	700	-23.1	-19	1 855
Keysight Spectrum Analyzer - Element Materials Tec     RL RF 50 Ω DC CORRE		ENSE:INT	ALIGN OFF		09:57:57 AM Aug 05, 203
	PNO: Wide +++ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: Avg Hold: {		TRACE 1 2 3 4 5 TYPE A WWWM DET A N N N N
Ref Offset 41.33 dB 10 dB/div Ref 41.33 dBm				Mkr1	768.000 000 MH -29.100 dBr
Log		Ť			
31.3					
21.3					
11.2					
11.3					
1.33					
-8.67					
-18.7					DL1 -19.00 dB
		1			
-28.7					
-38.7					
-48.7					
Start 767.9000 MHz #Res BW 30 kHz	#VBV	V 100 kHz*		#Sweep	Stop 768.1000 MH 1.067 ms (8001 pt

 Port 1, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mhz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz

 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)
 < (dBm)</th>
 Result

 2
 768.1
 -25.34
 -19
 Pass

RL	RF 50 Ω	DC CORREC		SE	NSE:INT	A AL	IGN OFF	and see all the		09:58:44 AM Aug 05, 20
	_		PNO: Fast • IFGain:Low		Trig: Free Run #Atten: 20 dB		Avg Type: Avg Hold:			TRACE 1 2 3 4 TYPE A WWW DET A NNN
dB/div	Ref Offset 41.3 Ref 41.33 de	3 dB 3m							Mkr1	768.105 MH -25.336 dB
9					Ĭ					
.3										
33										
57										
7 1										DL1 -19.00 c
.7										
.7										
			*****				ورام ومعدد اوالي دادو دهانو			
.7										
art 768.′										Stop 808.00 MI
es BW	100 kHz		#\	/BW	300 kHz*			#Sw	eep 7.4	67 ms (8001 pi



Frequency	Measured	Max Value	Limit	
Range	Freq (MHz)	(dBm)	< (dBm)	Result
3	769.03	-54.49	-52	Pass
Keysight Spectrum Analyzer - Element Materials Technology				
LXI RL RF 50 Ω DC CORREC	SENSE:INT	ALIGN AUTO		10:02:51 AM Aug 05, 2022
	: Wide 🛶 Trig: Free Run in:High #Atten: 0 dB	Avg Type: Avg Hold:		TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N
			Mkr1 7	69.029 25 MHz
10 dB/div Ref -3.00 dBm				-54.493 dBm
10 dB/div Ref -3.00 dBm	Y			
-13.0				
-23.0				
-33.0				
-43.0				
-53.0				DL1 -52.00 dBm
and the second se				
-63.0				
and a stand of the				
-73.0		****		
-83.0				
-93.0				
Start 769.000 MHz				Stop 775.000 MHz
#Res BW 6.8 kHz	#VBW 22 kHz*		Sweep 4	9.60 ms (8001 pts)

 Port 1, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mhz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz

 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)

 Result

 4
 805.99
 -72.95
 -52
 Pass

RL RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO	10:04:48 AM Aug 05, 20
	PNO: Wide ↔ IFGain:High	Trig: Free Run #Atten: 0 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWW DET A NNNN
dB/div Ref -3.00 dBm				Mkr1 805.993 0 MH -72.945 dBi
3.0				
3.0				
3.0				
3.0				
.0				DL1 -52.00 c
.0				
				<b>↓</b> 1
1.0	an a			
.0				
3.0				
art 799.000 MHz				Stop 808.000 MH
Res BW 6.8 kHz	#VB	W 22 kHz*	Sv	veep 74.13 ms (8001 pt



	Frequency Range		Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
	1		729	-28.93	-19	Pass
•	• • •		•			· ·
	er - Element Materials Technolo	ЭУ				
LXIRL RF	50 Ω DC CORREC	s	ENSE:INT	ALIGN OFF	DMS	09:05:08 AM Aug 05, 202
		NO: Wide ↔→ Gain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold: 5		TRACE 1 2 3 4 5 TYPE A WWWM DET A N N N N
	et 41.21 dB . <b>21 dBm</b>				Mkr1 7	29.000 000 MHz -28.934 dBn
Log			Ť			
31.2						
01.2						
21.2						
11.2						
1.21						
-8.79						
-18.8						DL1 -19.00 dBr
			1			
-28.8						
-38.8						
-48.8						
Start 728.9000 MI	Hz		<b>k</b>			Stop 729.1000 MH;
#Res BW 30 kHz		#VBV	V 100 kHz*		#Sweep	1.067 ms (8001 pts
MSG				STATUS		
	Carrier Test Case 1, E					

	Frequency	weasured	wax value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
[	2	728.9	-23.99	-19	Pass

RL RF 50 Ω DC CORRE	C	SENSE:INT	ALIGN OFF	09:06:15 AM Aug 05, 20
	PNO: Fast ↔ IFGain:Low		Avg Type: RMS Avg Hold: 500/50	TRACE 1 2 3 4
Ref Offset 41.21 dB B/div Ref 41.21 dBm				Mkr1 728.900 0 MH -23.991 dB
		Ĭ		
2				
2				
2				
1				
9				
				DL1 -19.00 (
8				
				~~~~~
8				
8				
nt 708.00 MHz es BW 100 kHz	#\/F	3W 300 kHz*		Stop 728.90 MI Sweep 1.067 ms (8001 p≇



	Frequency Range		Measured Freq (MHz)	Max Value (dBm)	Limit < (dBm)	Result
	3		745	-27.32	-19	Pass
Keysight Spectri	um Analyzer - Element Materials Tech RF 50 Ω DC CORREC		SENSE:INT	ALIGN OFF		ت ال
		PNO: Wide ↔ IFGain:Low		Avg Type: Avg Hold: (	500/500	TRACE 1 2 3 4 5 ( TYPE A WWWW DET A NNNN
10 dB/div	Ref Offset 41.21 dB Ref 41.21 dBm				Mkr1 74	45.000 000 MHz -27.317 dBm
31.2						
21.2						
11.2						
1.21						
-8.79						DL1 -19.00 dBm
-10.0			1			
-38.8						
-48.8						
Start 744.90						stop 745.1000 MHz
#Res BW 30	J KHZ	#VE	W 100 kHz*		#Sweep 1	.067 ms (8001 pts)
MSG				STATUS		

	Frequency	Measured	Max Value	Limit	
	Range	Freq (MHz)	(dBm)	< (dBm)	Result
	4	745.11	-22.78	-19	Pass

RL RF 50 Ω DC CORRE	C S	ENSE:INT	ALIGN OFF	09:12:08 AM Aug 05, 202
	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Type: RMS Avg Hold: 500/500	TRACE 1 2 3 4 5 TYPE A WWWW DET A N N N
Ref Offset 41.21 dB dB/div Ref 41.21 dBm			N	1kr1 745.114 9 MH -22.780 dBr
۵ 		Ĭ		
.2				
.2				
.2				
21				
9				
				DL1 -19.00 d
.8				
.8				
.8				
art 745.100 MHz				Stop 765.000 MH
les BW 100 kHz	#VBV	N 300 kHz*	#Swe	ep 1.067 ms (8001 pt



Freque		Measured	Max Value	Limit	-
Ran	ge	Freq (MHz)	(dBm)	< (dBm)	Result
1		729	-26.5	-19	Pass
Keysight Spectrum Analyzer - Element Mat					- 6 ×
LXI RE 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO Avg Type:	PMS	10:47:57 AM Aug 05, 2022 TRACE 1 2 3 4 5 6
	PNO: Wide IFGain:Low	Trig: Free Run #Atten: 30 dB	Avg Hold:	500/500	TYPE A WWWW DET A N N N N
Ref Offset 41.21 dB 10 dB/div Ref 41.21 dBm				Mkr1 72	9.000 000 MHz -26.496 dBm
Log		Ť			
31.2					
21.2					
11.2					
1.21					
-8.79					
					DL1 -19.00 dBm
-18.8		1			DLT-TS-00 dBm
-28.8					
-38.8					
-48.8					
Start 728.9000 MHz #Res BW 30 kHz	#	VBW 100 kHz*		Si #Sweep_1	top 729.1000 MHz 067 ms (8001 pts)
MSG			STATUS	"owep I	eter me (eter pts)

 Port 2, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mhz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, Low Channel, 731.5 MHz

 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)

 Result

 2
 728.72
 -21.37
 -19
 Pass

Keysight Spectrum Analyzer - Element Materials Te           RL         RF         50 Ω         DC         CORF		ENSE:INT	ALIGN AUTO		10:49:48 AM Aug 05, 20
	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RM Avg Hold: 500		TRACE 1 2 3 4 5 TYPE A WWW DET A N N N
Ref Offset 41.21 dB dB/div Ref 41.21 dBm				Mkr1	728.719 7 MH -21.367 dBi
		Ť			
.2					
.2					
.2					
21					
9					
8					DL1 -19.00 c
8					James and the second se
.8		and the second	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
.8					
art 708.00 MHz tes BW 100 kHz	#\/B\/	¥ 300 kHz*		#Sween_1	Stop 728.90 Mi .067 ms (8001 pt
Ces Daa 100 Kiiz	** <b>*</b> D*		STATUS	"oweep I	een me (eeer pi



Range     Freq (MHz)     (dBm)     < (dBm)	Result           Pass           10:52:24 AM Aug 05, 2022           TRACE           0:52:24 AM Aug 05, 2022           10:52:24 AM Aug 05, 2022           TRACE           10:52:24 AM Aug 05, 2022           TRACE           10:52:24 AM Aug 05, 2022           10:52:24 AM Aug 05, 2022           10:52:24 AM Aug 05,
Keysight Spectrum Analyzer - Element Materials Technology      RL RF 50 Ω DC CORREC SENSE:INT ALIGN AUTO      PNO: Wide → Trig: Free Run     IFGain:Low #Atten: 30 dB      Ref Offset 41.33 dB      Mkr1 76	10:52:24 AM Aug 05, 2022 TRACE 23 4 5 6 TYPE A WWWW DET A NNNN
02 RL RF 50 Ω DC CORREC SENSE:INT ALIGN AUTO PNO: Wide →→ Trig: Free Run IFGain:Low #Atten: 30 dB Ref Offset 41.33 dB Mkr1 76	10:52:24 AM Aug 05, 2022 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A NNNN
PNO: Wide + Trig: Free Run Avg Type: RMS IFGain:Low #Atten: 30 dB Avg Hold: 500/500 Ref Offset 41.33 dB Mkr1 76	TRACE 1 2 3 4 5 6 TYPE A WWWWW DET A N N N N N
To definite Rel 41.33 definit	8.000 000 MHz -25.338 dBm
Log	
31.3	
21.3	
11.3	
1.33	
-8.67	
-18.7	DL1 -19.00 dBm
-28.7	
-38.7	
-48.7	
Start 767.9000 MHz Si #Res BW 30 kHz #VBW 100 kHz* #Sweep 1.	top 768.1000 MHz 067 ms (8001 pts)

 Port 2, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mhz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz

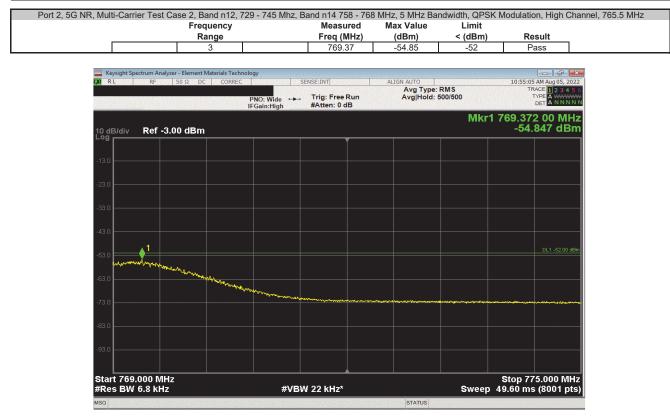
 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)
 < (dBm)</th>
 Result

 2
 768.11
 -21.34
 -19
 Pass

Keysight Spectrum Analyzer - Element Materials T           RL         RF         50 Ω         DC         COR		SENSE:INT	ALIGN AUTO	10:53:59 AM Aug 05, 202	
KE KF JUSZ DC COR	NEC .	ALIGN AUTO		TRACE 1 2 3 4 5	
	PNO: Fast ↔→ IFGain:Low	Trig: Free Run #Atten: 20 dB	Avg Hold: 500/500	TYPE A WWWW DET A N N N N	
Ref Offset 41.33 dB dB/div Ref 41.33 dBm				Mkr1 768.110 MF -21.336 dBi	
2		Ĭ			
.3					
.3					
.3					
33					
17					
7				DL1 -19.00 d	
7					
.7					
.7					
art 768.10 MHz tes BW 100 kHz	#VB	W 300 kHz*	#Sv	Stop 808.00 MH Sweep 7.467 ms (8001 pt⊄	
	STATUS				





 Port 2, 5G NR, Multi-Carrier Test Case 2, Band n12, 729 - 745 Mbz, Band n14 758 - 768 MHz, 5 MHz Bandwidth, QPSK Modulation, High Channel, 765.5 MHz

 Frequency
 Measured
 Max Value
 Limit

 Range
 Freq (MHz)
 (dBm)

 Result

 4
 806.33
 -72.93
 -52
 Pass

Keysight Spectrum Analyzer - Element M RL RF 50 Ω DC	CORREC	SENSE:INT	ALIGN AUTO	1	0:56:26 AM Aug 05, 202
	PNO: Wide ↔ IFGain:High		Avg Type: RMS Avg Hold: 500/500		TRACE 1 2 3 4 5 TYPE A WWWM DET A NNNN
0 dB/div Ref -3.00 dBm				Mkr1 80	06.327 1 MH -72.925 dBr
3.0					
3.0					
33.0					
3.0					
33.0					DL1 -52.00 dE
33.0				1	
3.0				<b>Y</b>	
3.0					
3.0					
tart 799.000 MHz Res BW 6.8 kHz	#VE	SW 22 kHz*		Sweep 74.1	op 808.000 MH I3 ms (8001 pt
G			STATUS		