

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Analyzer - Spectrum Analyzer	Agilent	N9010A	AFL	27-Feb-20	27-Feb-21
Generator - Signal	Keysight	N5171B-506	TEW	2-May-18	2-May-21

TEST DESCRIPTION

The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The spurious RF conducted emissions at the edges of the authorized bands were measured with the EUT set to low and high transmit frequencies in the available band. The channels closest to the band edges were selected. The EUT was transmitting at the data rate(s) listed in the datasheet.

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

All limits were adjusted by a factor of [-10*log(4)] dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911.

Per FCC 24.238(a) and RSS 133 6.5.1 (i). 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.

Per FCC 24.238(b) and RSS 133 6.5.1 (i). emissions seen up to 1 MHz outside of authorized operating frequency range band edges shall be measured with a RBW of 1% of the measured emission bandwidth. Any emission seen to be > 1 MHz further outside the band edges shall be measured with a RBW of 1 MHz. However, a narrower RBW of at least 1% of the emission bandwidth is still allowed provided that the measured power is integrated over the full reference bandwidth of 1 MHz.

RF conducted emissions testing was performed only on one port. The testing was performed on the same version of hardware (FHFB) as the original certification test. The FHFB antenna ports are essentially electrically identical (the RF power variation between antenna ports is small as shown in the original certification testing) and antenna port 1 was selected to perform the testing under this effort as allowed by ANSI C63.26-2015 paragraph 5.7.2i.



					TbtTx 2020.09.08.0 BETA	XMit 2020.03.2
	FHFB (FCC C2PC)			Work Order:		
Serial Number: Customer:	L9144200604 Nokia Solutions and Net	tworks			10-Sep-20 22.7 °C	
	Mitchell Hill, John Ratta			Humidity:	48.1% RH	
Project:	None			Barometric Pres.:	1023 mbar	
Tested by: TEST SPECIFICATION	Brandon Hobbs		Power: 54 VDC	Job Site:	TX05	
FCC 24E:2020	UNS		Test Method ANSI C63.26:2015			
RSS-133:2018			RSS-133:2018			
COMMENTS						
power was reduced	by 1 dB at the 15MHz cl	hannel bandwidth "High Channel" (1987.5MHz	ny attenuators, filters and DC blocks. The carrier power c) and "Low Channel" (1937.5MHz) and the measuremer ligh Channel - 100kHz" (1987.4MHz) and "Low Channel	nt marker was offset RBW/2 from the	band edge frequend	
DEVIATIONS FROM	TEST STANDARD					
None		1	~			
Configuration #	2	Signature	2-1-1			
		Signature	Frequency	Value (dBm)	Limit (dDm)	Beeuk
Band 25, 1930 MHz -			Range	Value (dBm)	Limit (dBm)	Result
	Port 1 5 MHz Band	Jwdith				
		QPSK Modulation				
		Low Channel, 1932.5 MHz	1	-20.54	-19	Pass
		Low Channel, 1932.5 MHz Low Channel, 1932.5 MHz	2 3	-19.53 -22.11	-19 -19	Pass Pass
		High Channel, 1992.5 MHz	3	-22.11 -20.55	-19	Pass
		High Channel, 1992.5 MHz	2	-20.97	-19	Pass
		High Channel, 1992.5 MHz	3	-25.2	-19	Pass
		16-QAM Modulation			10	
		Low Channel, 1932.5 MHz Low Channel, 1932.5 MHz	1 2	-22.78 -22.5	-19 -19	Pass Pass
		Low Channel, 1932.5 MHz	2 3	-22.3	-19	Pass
		High Channel, 1992.5 MHz	1	-20.32	-19	Pass
		High Channel, 1992.5 MHz	2	-22.62	-19	Pass
		High Channel, 1992.5 MHz	3	-25.59	-19	Pass
		64-QAM Modulation Low Channel, 1932.5 MHz	1	-21.23	-19	Pass
		Low Channel, 1932.5 MHz	2	-21.23	-19	Pass
		Low Channel, 1932.5 MHz	3	-21.47	-19	Pass
		High Channel, 1992.5 MHz	1	-21.44	-19	Pass
		High Channel, 1992.5 MHz	2	-22.54	-19	Pass
		High Channel, 1992.5 MHz 256-QAM Modulation	3	-24.49	-19	Pass
		Low Channel, 1932.5 MHz	1	-22.85	-19	Pass
		Low Channel, 1932.5 MHz	2	-22.91	-19	Pass
		Low Channel, 1932.5 MHz	3	-22.61	-19	Pass
		High Channel, 1992.5 MHz	1	-19.72	-19	Pass
		High Channel, 1992.5 MHz	2 3	-22.61 -24.46	-19 -19	Pass Pass
	10 MHz Ban	High Channel, 1992.5 MHz	3	-24.40	-19	Pass
		QPSK Modulation				
		Low Channel, 1935.0 MHz	1	-21.27	-19	Pass
		Low Channel, 1935.0 MHz	2	-25.07	-19	Pass
		Low Channel, 1935.0 MHz High Channel, 1990 MHz	3 1	-25.1 -22.88	-19 -19	Pass Pass
		High Channel, 1990 MHz	2	-22.88	-19	Pass
		High Channel, 1990 MHz	3	-25.44	-19	Pass
		16-QAM Modulation				
		Low Channel, 1935.0 MHz	1	-20.82	-19	Pass
		Low Channel, 1935.0 MHz Low Channel, 1935.0 MHz	2 3	-24.53 -24.44	-19 -19	Pass Pass
		High Channel, 1935.0 MHz	3	-24.44 -22.08	-19	Pass
		High Channel, 1990 MHz	2	-24.95	-19	Pass
		High Channel, 1990 MHz	3	-25.56	-19	Pass
		64-QAM Modulation		01.10	40	Deres
		Low Channel, 1935.0 MHz Low Channel, 1935.0 MHz	1 2	-21.18 -24.61	-19 -19	Pass Pass
		Low Channel, 1935.0 MHz	2 3	-24.81 -24.25	-19	Pass Pass
		High Channel, 1990 MHz	1	-24.23 -20.52	-19	Pass
		High Channel, 1990 MHz	2	-24.67	-19	Pass
		High Channel, 1990 MHz	3	-25.68	-19	Pass
		256-QAM Modulation	1	30.33	10	Boos
		Low Channel, 1935.0 MHz Low Channel, 1935.0 MHz	1 2	-20.22 -24.79	-19 -19	Pass Pass
		Low Channel, 1935.0 MHz	3	-24.63	-19	Pass
		High Channel, 1990 MHz	1	-20.39	-19	Pass
		High Channel, 1990 MHz	2	-24.94	-19	Pass
	45 MUR Dee	High Channel, 1990 MHz ndwdith, 1dB Reduced Power	3	-25.56	-19	Pass
	15 MILS Bau	QPSK Modulation				
		Low Channel, 1937.5 MHz	1	-21.7	-19	Pass
		Low Channel, 1937.5 MHz	2	-26.47	-19	Pass
		Low Channel, 1937.5 MHz	3	-25.86	-19	Pass
		High Channel, 1987.5 MHz High Channel, 1987.5 MHz	1 2	-21.21 -25.6	-19 -19	Pass Pass
		High Channel, 1987.5 MHz High Channel, 1987.5 MHz	2 3	-25.6 -26.16	-19	Pass Pass
		16-QAM Modulation				
		Low Channel, 1937.5 MHz	1	-20.6	-19	Pass
		Low Channel, 1937.5 MHz	2	-26.04	-19	Pass
		Low Channel, 1937.5 MHz	3 1	-25.82 -20.67	-19 -19	Pass
		High Channel, 1987.5 MHz				Pass
		High Channel, 1987.5 MHz	2	-25.51	-19	Pass
		High Channel, 1987.5 MHz High Channel, 1987.5 MHz	2 3	-25.51 -26.16	-19 -19	Pass Pass

Low Channel, 1937.5 MHz	2	-26.75	-19	Pass
Low Channel, 1937.5 MHz	3	-26.319	-19	Pass
High Channel, 1987.5 MHz	1	-21.332	-19	Pass
High Channel, 1987.5 MHz	2	-25.36	-19	Pass
High Channel, 1987.5 MHz	3	-25.975	-19	Pass
256-QAM Modulation				
Low Channel, 1937.5 MHz	1	-22.38	-19	Pass
Low Channel, 1937.5 MHz	2	-26.47	-19	Pass
Low Channel, 1937.5 MHz	3	-26.44	-19	Pass
High Channel, 1987.5 MHz	1	-24.7	-19	Pass
High Channel, 1987.5 MHz	2	-25.9	-19	Pass
High Channel, 1987.5 MHz	3	-26.31	-19	Pass
20 MHz Bandwdith				
QPSK Modulation				
Low Channel, 1940 MHz	1	-22.4	-19	Pass
Low Channel, 1940 MHz	2	-25.13	-19	Pass
Low Channel, 1940 MHz	3	-24.77	-19	Pass
High Channel, 1985 MHz	1	-21.44	-19	Pass
High Channel, 1985 MHz	2	-25.48	-19	Pass
High Channel, 1985 MHz	3	-26.03	-19	Pass
16-QAM Modulation				
Low Channel, 1940 MHz	1	-22.46	-19	Pass
Low Channel, 1940 MHz	2	-25.39	-19	Pass
Low Channel, 1940 MHz	3	-25.51	-19	Pass
High Channel, 1985 MHz	1	-21.08	-19	Pass
High Channel, 1985 MHz	2	-25.59	-19	Pass
High Channel, 1985 MHz	3	-26.29	-19	Pass
64-QAM Modulation				
Low Channel, 1940 MHz	1	-21.56	-19	Pass
Low Channel, 1940 MHz	2	-25.08	-19	Pass
Low Channel, 1940 MHz	3	-24.67	-19	Pass
High Channel, 1985 MHz	1	-21.18	-19	Pass
High Channel, 1985 MHz	2	-25.57	-19	Pass
High Channel, 1985 MHz	3	-26.18	-19	Pass
256-QAM Modulation				
Low Channel, 1940 MHz	1	-20.72	-19	Pass
Low Channel, 1940 MHz	2	-24.93	-19	Pass
Low Channel, 1940 MHz	3	-24.83	-19	Pass
High Channel, 1985 MHz	1	-19.71	-19	Pass
High Channel, 1985 MHz	2	-25.54	-19	Pass
High Channel, 1985 MHz	3	-26.2	-19	Pass

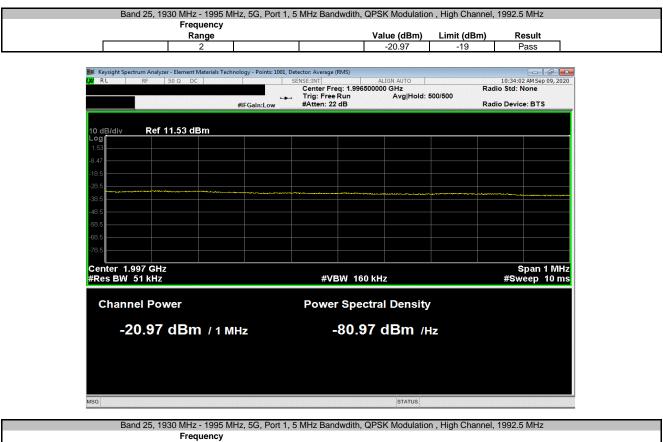






Ban	d 25, 1930 MHz - 1995 Frequency	MHz, 5G, Port 1	, 5 MHz Bandwdith	, QPSK Modulation	n, Low Channel, 1	932.5 MHz
	Range			Value (dBm)	Limit (dBm)	Result
	3			-22.11	-19	Pass
Keysight Spectru	um Analyzer - Element Materials Teo	chnology				
LXU RL	RF 50 Ω DC		SENSE:INT	ALIGN AUTO Avg Type:	RMS	12:57:32 PM Sep 08, 2020
		PNO: Fast ++ IFGain:Low	. Trig: Free Run #Atten: 20 dB	Avg Hold: 1	1000/1000	TRACE 1 2 3 4 5 6 TYPE A WWWW DET A P P P P
R	Ref Offset 41.53 dB				Mkr1 1.92	7 986 25 GHz
10 dB/div R	Ref 41.53 dBm		1	1	1	-22.105 dBm
31.5						
21.5						
11.5						
11.5						
1.53						
-8.47						
-18.5						<u>-19.00 c</u> 1
-28.5						
-38.5						
-48.5						
Start 1.9180 #Bas BW 11		#\/B			Sween 1.0	op 1.928000 GHz
Start 1.9180 #Res BW 1.1		#VB	BW 3.0 MHz*	STATUS	Sto Sweep 1.0	op 1.928000 GHz 67 ms (8001 pts)
#Res BW 1.0 MSG	0 MHz				Sweep 1.0	67 ms (8001 pts)
#Res BW 1.0					Sweep 1.0	67 ms (8001 pts)
#Res BW 1.0	0 MHz d 25, 1930 MHz - 1995 I Frequency Range			, QPSK Modulation	Sweep 1.0 n , High Channel, 1 Limit (dBm)	67 ms (8001 pts) 992.5 MHz <u>Result</u>
#Res BW 1.0	0 MHz d 25, 1930 MHz - 1995 I Frequency			, QPSK Modulation	Sweep 1.0	67 ms (8001 pts) 992.5 MHz
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 l Frequency Range 1 um Analyzer - Element Materials Tet	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulatior Value (dBm) -20.55	Sweep 1.0 n , High Channel, 1 Limit (dBm) -19	67 ms (8001 pts) 992.5 MHz Result Pass
#Res BW 1.1	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass
#Res BW 1. MSG Band	0 MHz d 25, 1930 MHz - 1995 l Frequency Range 1 um Analyzer - Element Materials Tet	MHz, 5G, Port 1,	5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 234 5 TYPE PP P
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 am Analyzer - Element Materials Tec RF 50 Ω DC Ref Offset 41.53 dB	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 1 um Analyzer - Element Materials Tet RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1. MSG Banc Ban	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1. MSG Banc Ban	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.1. MSG Banc	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.1 MSG Banc	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE & P PP PF 5 000 00 GHz
#Res BW 1.1. MISG Banc Ban	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE A PP PP F 5 000 00 GHz -20.554 dBm
#Res BW 1.1. MSG Band Band	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 um Analyzer - Element Materials Teo RF 50 Ω DC RF 50 Ω DC	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE A PP PP F 5 000 00 GHz -20.554 dBm
#Res BW 1.1 #sg Band Ba	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 am Analyzer - Element Materials Tec RF 50 Ω DC Ref Offset 41.53 dB	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE A PP PP F 5 000 00 GHz -20.554 dBm
Res BW 1. sq Banc Banc (Keysight Spectru RL O dB/div S1.5 11.5 11.5 11.5 11.5 11.5 12.5 13.5 14.5 15.5 15.5 16.5 17.5 18.5 18.5	0 MHz d 25, 1930 MHz - 1995 I Frequency Range 1 am Analyzer - Element Materials Tec RF 50 Ω DC Ref Offset 41.53 dB	MHz, 5G, Port 1,	, 5 MHz Bandwdith	, QPSK Modulation Value (dBm) -20.55 ALIGN AUTO Avg Type:	Sweep 1.0	67 ms (8001 pts) 992.5 MHz Result Pass 02:30:31 PM Sep 08, 2020 TRACE 2 3 4 5 0 TYPE A PP PP F 5 000 00 GHz -20.554 dBm





Range			Value (dBm)	Limit (dBm)	Result	
	3			-25.2	-19	Pass

RL RF 50 Ω DC	S	ENSE:INT	ALIGN AUTO	02:34:54 PM Sep 08, 202
	PNO: Fast +++ IFGain:Low	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/1000	TRACE 1 2 3 4 5 TYPE A WWW DET A P P P F
Ref Offset 41.53 dB dB/div Ref 41.53 dBm			Mkr	1 1.997 003 75 GH -25.199 dBr
.5				
.5				
.5				
53				
17				
.5				-19.00 c
.5				
.5				
.5				
art 1.997000 GHz tes BW 1.0 MHz	#\/B\/	V 3.0 MHz*	Swee	Stop 2.007000 GF ep 1.067 ms (8001 pt



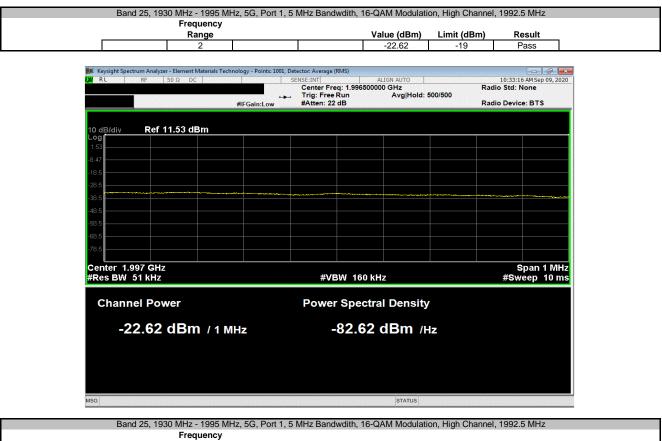




99 10	201020, 10	Frequency	Hz, 5G, Port 1, 5 MHz Bandwdith	·		
August Barbanan Anapore, Barbana Materials Extendings Sand Junit August Barbanan Anapore, Barbanan Materials Extendings Net Official 41 63 dBM PROF Rat August Barbanan Anapore, Barbanan Materials Extendings August Barbanan Anapore, Barbanana Anapore, Barbana Anapore, Barbanaa Anapore, Barbanana Anapore, Barbanana Anapore,						
ALL BI BIOL DE SMRLING ALRA PART DELEXPENSION Production	1			22110	10	1 400
Incluition Anten: 22 dB Description 0 (Blow Mkr1 1.927 750 00 C GHz -22,779 dBm 0 (Blow -22,779 dBm -22,779 dBm 0 (Blow -22,779 dBm -22,779 dBm 0 (Blow -20,779 dBm -22,779 dBm 0 (Blow -20,779 dBm -22,779 dBm 0 (Blow -20,79 dBm -20,79 dBm 1 (Dimension)						01:07:09 PM Sep 08, 3
Ref Offset 41 53 dB Mkr1 1.927 750 00 GHz 0 dB/0 -22.779 dB/n 0 dB/0 -20.32 0 dB/0 -20.32 1 dB/n -20.320 dB/n <t< td=""><td></td><td></td><td></td><td>Avg Type: Avg Hold:</td><td>RMS 1000/1000</td><td>TRACE 1 2 3 TYPE A WWA</td></t<>				Avg Type: Avg Hold:	RMS 1000/1000	TRACE 1 2 3 TYPE A WWA
0 gladiv Ref 41.53 dBm -22.7/9 dBm 010 -22.7/9 dBm -22.7/9 dBm 010	Bof Offa	ot 11 52 dP	IFGain:Low #Atten: 22 db		Mkr1 1.9	27 750 00 G
13	10 dB/div Ref 41.	.53 dBm				-22.779 di
13						
113	31.5					
153 d 154 d 155 d 15	21.5					
All and a second a	11.5					
All and a second a	1.52					
Big Image Value (dBm) Limit (dBm) Result Res EW 10 MHz Stop 1.928000 CHz Stop 1.928000 CHz Res EW 10 MHz #VBW 3.0 MHz* Stop 1.928000 CHz Res EW 10 MHz #VBW 3.0 MHz* Stop 1.928000 CHz Res EW 10 MHz #VBW 3.0 MHz* Stop 1.928000 CHz Res EW 10 MHz 10.07 ms (d001 pts) Res Image Value (dBm) Limit (dBm) Result Rage Value (dBm) Limit (dBm) Res Result -20.32 Ref Ortset 41.53 dB -20.320 CHz						
Bit Stop 1.928000 CHz Res BW 1.0 MHz #VBW 3.0 MHz* Stop 1.928000 CHz Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Value (dBm) Limit (dBm) Result Trace 1 -20.32 -19 Pass -20.32 -19 Pass Max Streep 1.065 ms (8001 pts) Max -20.32 -19 Pass -20.32 -19 Pass Max 9 -20.32 -19 Pass -20.32 -19 Pass Max 9 -20.9 -20.32 -19 Pass -20.32 -19 Pass Max 9 -0.0 -20.9 -20.32 -19 Pass -20.320	-8.47					
86.9 Stop 1,928000 GHz tart 1,918000 GHz Stop 1,928000 GHz Res BW 1.0. MHz #VBW 3.0 MHz* Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Range Value (dBm) Limit (dBm) Result 1 -20.32 -19 2 -19 Pass 4L RP 50 a C PNC: Wide Trig: Free Run Aug Type: RMS Trace Color C	-18.5					-19.0
86.9 Stop 1,928000 GHz tart 1,918000 GHz Stop 1,928000 GHz Res BW 1.0. MHz #VBW 3.0 MHz* Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Range Value (dBm) Limit (dBm) Result 1 -20.32 -19 2 -19 Pass 4L RP 50 a C PNC: Wide Trig: Free Run Aug Type: RMS Trace Color C	-28.5					
Bill						
tart 1.918000 CHZ Res BW 1.0 MHz #VBW 3.0 MHz* Stop 1.928000 CHZ Sweep 1.067 ms (8001 pts) s s s s s s s s s s s s	-38.5					
Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.067 ms (8001 pts) 36 IstAtus Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Range Value (dBm) Limit (dBm) Result 1 -20.32 -19 Pass Ref Offset 41.53 dB Sexect:INT Augr/Hoid: 500000 Troce 224126 MSec00.2020 1 Galaxie 223 B Mkr1 1.995 000 0C GHz -20.320 dBm 0 dB/div Ref offset 41.53 dB 1 -20.320 dBm -20.320 dBm 1 -1 -1 -10.00 mg -10.00 mg 1 -1 -1 -10.00 mg -10.00 mg	-48.5					
Res BW 1.0 MHz #VBW 3.0 MHz* Sweep 1.067 ms (8001 pts) 36 IstAtus Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Range Value (dBm) Limit (dBm) Result 1 -20.32 -19 Pass Ref Offset 41.53 dB Sexect:INT Augr/Hoid: 500000 Troce 224126 MSec00.2020 1 Galaxie 223 B Mkr1 1.995 000 0C GHz -20.320 dBm 0 dB/div Ref offset 41.53 dB 1 -20.320 dBm -20.320 dBm 1 -1 -1 -10.00 mg -10.00 mg 1 -1 -1 -10.00 mg -10.00 mg						
Band 25, 1930 MHz - 1995 MHz, 5G, Port 1, 5 MHz Bandwdith, 16-QAM Modulation, High Channel, 1992.5 MHz Frequency Range Value (dBm) Limit (dBm) Result 1 -20.32 -19 Pass Kepight Spectrum Analyzer-Element Materials Technology RL RF 50 Q DC PNO: Wide Frequency PNO: Wide Frequency Ref Offset 41.53 dBm Frequency PNO: Wide Frequency Frequency PNO: Wide Frequency Frequency PNO: Wide Frequency Frequency Frequency Frequency PNO: Wide Frequency PNO: Wide Frequency Frequen	Start 1.916000 GF					
RL RF 50 Ω DC SENSEINT ALION AUTO 024126PM sep 08, 2020 Avg JHoid: 500/500 Trace Avg JHoid: 500/500 Trace <	ISG	930 MHz - 1995 MH			Sweep 1.	067 ms (8001
Ref Offset 41.53 dB Mkr1 1.995 000 00 GHz 21.5	ISG	930 MHz - 1995 MH Frequency Range		n, 16-QAM Modulati	Sweep 1. on, High Channel Limit (dBm)	067 ms (8001) , 1992.5 MHz Result
Instruction #Atten: 22 dB Mkr1 1.995 000 00 GHz -20.320 dBm 0 dB/div Ref Offset 41.53 dB Ref 41.53 dBm -20.320 dBm 9 - - - - 91.5 - - - - - 11.5 - - - - - - 11.5 - - - - - - - 11.5 -	Band 25, 19	930 MHz - 1995 MH Frequency Range 1	łz, 5G, Port 1, 5 MHz Bandwdith	n, 16-QAM Modulati	Sweep 1. on, High Channel Limit (dBm)	067 ms (8001) 1992.5 MHz Result Pass
0 dB/div Ref 41.53 dBm -20.320 dBm 1 da -20.320 dBm -20.320 dBm 2 da -20.320 dBm -20.320 dBm 1 da -20.320 dBm <td< td=""><td>ASG Band 25, 19</td><td>)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn</td><td>Iz, 5G, Port 1, 5 MHz Bandwdith</td><td>A, 16-QAM Modulati Value (dBm) -20.32</td><td>Sweep 1. on, High Channel Limit (dBm) -19</td><td>067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE</td></td<>	ASG Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1. on, High Channel Limit (dBm) -19	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE
	ASG Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 2 23 TRACE 2 24 TRACE
	Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
	ASG Band 25, 19 Keysight Spectrum Analyz RL RF Ref Offs)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
1.53 1 1900 dBm 18.5 1 1900 dBm 18.5 1 1900 dBm 18.5 1 1 18.5 1 1 18.5 1 1 18.5 1 1	Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
1.53 1 1900 dBm 18.5 1 1900 dBm 18.5 1 1900 dBm 18.5 1 1 18.5 1 1 18.5 1 1 18.5 1 1	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz RL RF Ref Offs OdB/div Ref 41.)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
8.47 1 .19.00.49m 28.5 18.5 18.5	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz R RL RF Ref Offs O dB/div Ref 41, 09 31.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
	Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz RE RF Offs OdB/div Ref 41, 09 31.5 21.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
18.5	Band 25, 19)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 1992.5 MHz Result Pass 02:41:26 PM sep 08, TRACE 12 3 TYPE A DET A FP 95 000 00 C
18.5	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz RE Ref Offs 10 dB/div Ref 41. 31.5 1.53)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 .1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 12 3 TYPE A 05 000 00 G -20.320 dE
18.5	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz Ref Offs Band 25, 19 Ref Offs Cog 31.5 21.5 11.5 1.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 .1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 12 3 TYPE A 05 000 00 G -20.320 dE
	ASG Band 25, 19 ■ Keysight Spectrum Analyz X RL RF 10 dB/div Ref Offs 11.5 11.5 1.53 .6.47 .78.5 .28.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 .1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 12 3 TYPE A 05 000 00 G -20.320 dE
	Band 25, 19 Band 25, 19 Keysight Spectrum Analyz Ref Offs Band 25, 19 Ref Offs Cog 31.5 21.5 11.5 1.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 .1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 12 3 TYPE A 05 000 00 G -20.320 dE
	ASG Band 25, 19 ■ Keysight Spectrum Analyz X RL RF 10 dB/div Ref Offs 11.5 11.5 1.53 .6.47 .78.5 .28.5)30 MHz - 1995 MH Frequency Range 1 er - Element Materials Techn 50 Ω DC	Iz, 5G, Port 1, 5 MHz Bandwdith	A, 16-QAM Modulati Value (dBm) -20.32	Sweep 1.	067 ms (8001 .1992.5 MHz Result Pass 02:41:26 PM Sep 08, TRACE 12 3 TYPE A 05 000 00 G -20.320 dE

STATUS





Range			Value (dBm)	Limit (dBm)	Result
	3		-25.59	-19	Pass

RL RF 50 Ω DC	State of the second	ENSE:INT	ALIGN AUTO	02:43:52 PM Sep 08, 202
	PNO: Fast +++ IFGain:Low	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/1000	TRACE 1 2 3 4 5 TYPE A WWW DET A P P P F
Ref Offset 41.53 dB dB/div Ref 41.53 dBm			Mkr1	1.997 008 75 GH -25.591 dBi
.5				
.5				
.5				
53				
17				
.5 <mark>1</mark>				-19.00 c
.5				
.5				
.5				
art 1.997000 GHz tes BW 1.0 MHz	#VB)	N 3.0 MHz*	Swee	Stop 2.007000 GF p 1.067 ms (8001 pt





Start 1.994000 GHz #Res BW 51 kHz

MSG



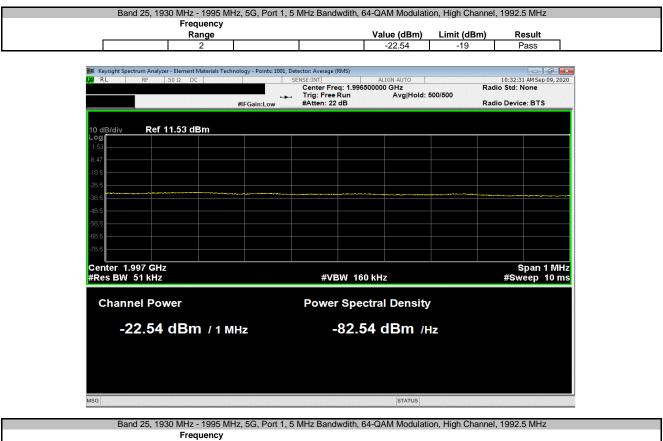
	Frequency			n, 64-QAM Modulati	on, Low Channel,	
	Range	1		Value (dBm)	Limit (dBm)	Result
	3			-21.47	-19	Pass
📕 Keysight Spectrum	Analyzer - Element Materials Tech					
<mark>XI</mark> RL RI	F 50 Ω DC		SENSE:INT	ALIGN AUTO Avg Type:	RMS	01:19:15 PM Sep 08, 2020 TRACE 1 2 3 4 5
		PNO: Fast ↔→ IFGain:Low	. Trig: Free Run #Atten: 22 dB	Avg Hold: '	1000/1000	TRACE 1 2 3 4 5 TYPE A WWWW DET A P P P P
Rei	f Offset 41.53 dB f 41.53 dBm				Mkr1 1.92	7 833 75 GHz -21.470 dBm
0 dB/div Re	f 41.53 dBm					-21.470 uBit
31.5						
51.5						
21.5						
11.5						
1.53						
-8.47						
10.5						-19.00 🔨
-18.5						
-28.5						
-38.5						
30.3						
-48.5						
Start 1.91800 #Res BW 1.0	0 GHZ MHZ	#VB	W 3.0 MHz*		Sweep 1.0	op 1.928000 GHz 67 ms (8001 pts
ISG				STATUS		
Band 2	5, 1930 MHz - 1995 M	Hz. 5G. Port 1. 5	5 MHz Bandwditł	n. 64-QAM Modulati	on. High Channel.	1992.5 MHz
	Frequency	,, - , ,				
	Range 1			Value (dBm)	Limit (dBm)	Result
				-21.44	-19	Pass
				-21.44	-19	Pass
Keysight Spectrum	Analyzer - Element Materials Tech		SENSE:INT	ALIGN AUTO		Pass
	Analyzer - Element Materials Tech	PNO: Wide	. Trig: Free Run		RMS	Pass 02:50:53 PM Sep 08, 2020 TRACE 2 3 4 5
CRL RI	Analyzer - Element Materials Tech F 50 Ω DC		T	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 234 5 TYPE 234 5 TY
XURL RI Ref	Analyzer - Element Materials Tech	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 2 3 4 5
CRL RI	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
XURL RI Ref	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
RL RI Ref 0 dB/div Re -09 31.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
d RL Ref 0 dB/div Re 31.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
0 dB/div Re 0 dB/div Re 31.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
0 dB/div Re 0 dB/div Re 0 31.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
X RL RI 10 dB/div Re - 0 31.5 - 11.5 1.53	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
21.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	Trig: Free Run #Atten: 22 dB	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
X RL RI 10 dB/div Re - 0 31.5 - 11.5 1.53	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	. Trig: Free Run	ALIGN AUTO	RMS 500/500	Pass 02:50:53 PM Sep 08, 2020 TRACE 23 4 5 TVPE APP PP DET APP PP 5 000 00 GH2
21.5 1.5 -18.5	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	Trig: Free Run #Atten: 22 dB	ALIGN AUTO	RMS 500/500	Pass
X RL RI 10 dB/div Re 31.5 21.5 1.53 -8.47	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	Trig: Free Run #Atten: 22 dB	ALIGN AUTO	RMS 500/500	Pass
RL Re 0 dB/div Re 0 dB/div	Analyzer - Element Materials Tech F 50 Ω DC	PNO: Wide	Trig: Free Run #Atten: 22 dB	ALIGN AUTO	RMS 500/500	Pass

#VBW 160 kHz*

STATUS

Stop 1.996000 GHz Sweep 1.067 ms (8001 pts)

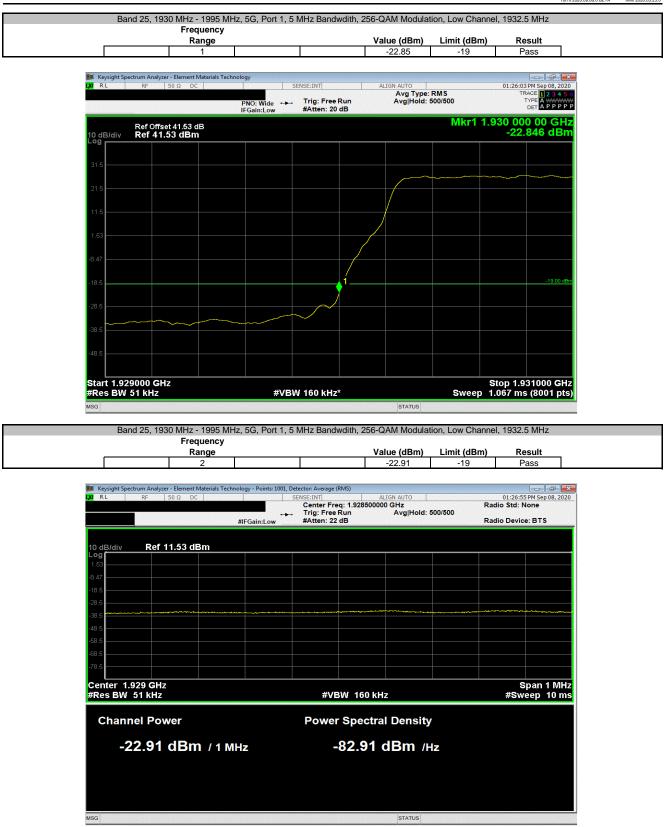




	Range		Value (dBm)	Limit (dBm)	Result
	3		-24.49	-19	Pass

RL	RF 5	0Ω DC		SENSE:INT	ALIGN AUTO		02:52:18 PM Sep 08.2
			PNO: Fast ↔ IFGain:Low	► Trig: Free R #Atten: 22 d		e: RMS : 1000/1000	TRACE 1 2 3 TYPE A WWA DET A P P
dB/div	Ref Offset Ref 41.5	41.53 dB 3 dBm				Mkr1 1	.997 008 75 G -24.485 dE
.5							
.5							
.5							
17							
5 = 1							-19.00
5							
5							
5							
art 1.997 es BW 1	'000 GHz I.0 MHz		#V	BW 3.0 MHz*		Sweep	Stop 2.007000 G 1.067 ms (8001 p





Start 1.994000 GHz #Res BW 51 kHz

MSG



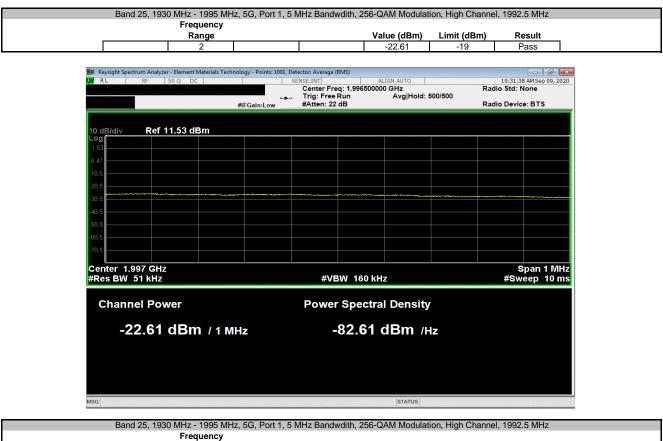
	1995 MHz, 5G, Port 1, 5 Mł uency	Iz Bandwdith, 256-0	QAM Modulatio	on, Low Channel,	932.5 MHz
Ra	nge	V	alue (dBm)	Limit (dBm)	Result
	3		-22.61	-19	Pass
Keysight Spectrum Analyzer - Element N	laterials Technology				
LXI RL RF 50 Ω DC	SENS	E:INT	ALIGN AUTO	MS	1:27:42 PM Sep 08, 2020 TRACE 2 3 4 5 6
	PNO: Fast ↔ IFGain:Low #	Trig: Free Run Atten: 22 dB	Avg Hold: 10	000/1000	TYPE A WWWWW DET A P P P P P
Ref Offset 41.53 d	В			Mkr1 1.92	7 997 50 GHz
10 dB/div Ref 41.53 dBm					-22.609 dBm
31.5					
31.3					
21.5					
11.5					
1.53					
-8.47					
-18.5					-19.00 c 1 /
					and a second second second second
-28.5					
-38.5					
-48.5					
Start 1.918000 GHz				Sto	p 1.928000 GHz
#Res BW 1.0 MHz	#VBW 3	3.0 MHz*		Sweep 1.00	7 ms (8001 pts)
MSG			STATUS		
	1995 MHz, 5G, Port 1, 5 MH	Iz Bandwdith, 256-0	QAM Modulatic	on, High Channel,	1992.5 MHz
	uency nge	Va	alue (dBm)	Limit (dBm)	Result
	nge 1	V;	alue (dBm) -19.72	Limit (dBm) -19	Result Pass
Ra	nge 1				Pass
	nge 1		-19.72	-19	Pass
Ra	nge 1		-19.72	-19	Pass
Ra M Keysight Spectrum Analyzer - Element N M RL RF 50 Q DC Ref Offrset 41.53 d	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TYPE & 2 3 4 5 0 TYPE & A P P P P P DET A P P P P P P
Ra M Keysight Spectrum Analyzer - Element N M RL RF 50 Q DC Ref Offrset 41.53 d	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra Keysight Spectrum Analyzer - Element N R RL RF 50 Ω DC Ref Offset 41.53 d 10 dB/dlv Ref 41.53 dBm	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra Keysight Spectrum Analyzer - Element N RL RF 50 Ω DC Ref Offset 41.53 d 10 dB/div Ref 41.53 dBm 31.5 21.5 11.5	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra Keysight Spectrum Analyzer - Element N RL RF 50 Ω DC Ref Offset 41.53 d 10 dB/div Ref 41.53 dBm 31.5 21.5 11.5	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 2 2 3 4 5 0 TYPE A PP PP P 5 000 00 GHZ
Ra Keysight Spectrum Analyzer - Element M RL RF 50 Ω DC Ref Offset 41.53 dBm 10 dB/div Ref 41.53 dBm 21.5 11.5 .53 .8.47 -18.5 .8.47 .18.5 .8.47 .8.5 .8.47 .8.	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE A WINNE DET A PP PP P 5 0000 00 GHz -19.715 dBm
Ra	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE A WINNE DET A PP PP P 5 0000 00 GHz -19.715 dBm
Ra Keysight Spectrum Analyzer - Element M RL RF 50 Ω DC Ref Offset 41.53 dBm 10 dB/div Ref 41.53 dBm 21.5 11.5 .53 .8.47 -18.5 .8.47 .18.5 .8.47 .8.5 .8.47 .8.	nge 1 SENS PNO: Wide → 1 IFGain:Low	E:INT	-19.72	-19 MS 10/500 Mkr1 1.99	Pass 2:58:23 PM Sep 08, 2020 TRACE 1 2 3 4 5 6 TYPE A WINNE DET A PP PP P 5 0000 00 GHz -19.715 dBm

#VBW 160 kHz*

STATUS

Stop 1.996000 GHz Sweep 1.067 ms (8001 pts)





 Range	Value (dBm)	Limit (dBm)	Result
3	-24.46	-19	Pass

RL RF 50 Ω DC	S	ENSE:INT	ALIGN AUTO		02:59:35 PM Sep 08, 202
	PNO: Fast	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/	1000	TRACE 1 2 3 4 5 TYPE A WWW DET A P P P F
Ref Offset 41.53 dB dB/div Ref 41.53 dBm				Mkr1 1.9	97 005 00 GH -24.464 dBi
1.5					
.5					
.5					
53					
47					
.5 .1					-19.00 c
.5					
.5					
.5					
art 1.997000 GHz tes BW 1.0 MHz	#VBV	V 3.0 MHz*		Sweep 1.	top 2.007000 GH .067 ms (8001 pt

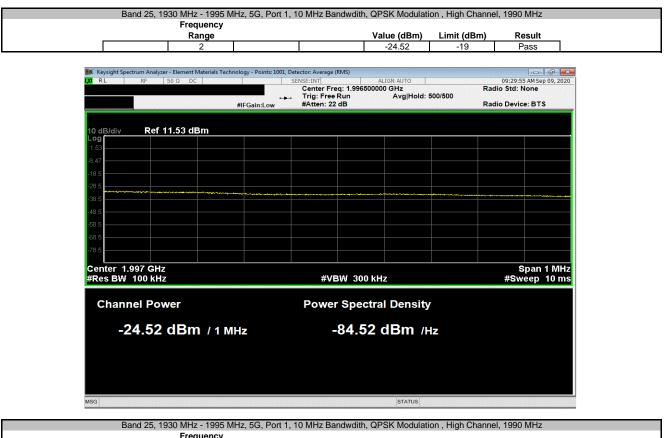






	Range			Value (dBm)	Limit (dBm)	Result
	3			-25.1	-19	Pass
Keysight Spectrum	Analyzer - Element Materials	Technology				
	F 50 Ω DC		SENSE:INT	ALIGN AUTO Avg Type:	RMS	03:36:10 PM Sep 08, 2
		PNO: Fast ++	_ Trig: Free Run #Atten: 22 dB	Avg Hold:	1000/1000	TRACE 1 2 3 4 TYPE A WWY DET A P P F
Re	f Offset 41.53 dB				Mkr1 1.92	27 980 00 G -25.098 dE
10 dB/div Re	ef 41.53 dBm					-23.096 UE
31.5						
21.5						
11.5						
1.53						
1.00						
-8.47						
-18.5						-19.00
20 F						
-28.5						
-38.5						
-48.5						
Start 1.91800						
#Res BW 1.0	MHz 25, 1930 MHz - 199 Frequenc	95 MHz, 5G, Port 1	3W 3.0 MHz*		Sweep 1.0	-
#Res BW 1.0	MHz 25, 1930 MHz - 199	95 MHz, 5G, Port 1			Sweep 1.0	167 ms (8001 p
#Res BW 1.0 Asg Band	MHz 25, 1930 MHz - 199 Frequenc Range 1	95 MHz, 5G, Port 1 y		h, QPSK Modulati Value (dBm)	Sweep 1.0 ion , High Channel Limit (dBm)	167 ms (8001 p , 1990 MHz Result Pass
#Res BW 1.0 MSG Band	MHz 25, 1930 MHz - 199 Frequenc Range	95 MHz, 5G, Port 1 y		h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 MSen 00, 2
#Res BW 1.0 ASG Band Keysight Spectrum	MHz 25, 1930 MHz - 199 Frequenc Range 1	95 MHz, 5G, Port 1 y	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass
#Res BW 1.0 MSG Band Keysight Spectrum Keysight Spectrum RL R	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 wsg Band Keysight Spectrum RL R Re	MHz 25, 1930 MHz - 199 Frequenc Range 1 1 α Analyzer - Element Materials	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz <u>Result</u> Pass 09:23:22 AM Sep 09, 2 TRACE DET A P P
#Res BW 1.0 wsg Band Keysight Spectrum RL R Re	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 Isg Band Band Keysight Spectrum RL R 10 dB/div Re 31.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #SG Band E Keysight Spectrum X RL R 10 dB/div Re -09	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 Isg Band Band Keysight Spectrum RL R 10 dB/div Re 31.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #sg Band Band Keysight Spectrum X RL Res 10 dB/div Res 21.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #sg Band Band Keysight Spectrum RL R 10 dB/div Re 0 g 31.5 11.5 1.53	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #SG Band Keysight Spectrum R RL R Cog 31.5 21.5 11.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #sg Band Band Keysight Spectrum RL R 10 dB/div Re 0 g 31.5 11.5 1.53	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdif	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	167 ms (8001 p , 1990 MHz Result Pass 09:23:22 M Sep 09, 2 TRACE 0 3 4 TYPE A WYP DET A PP F
#Res BW 1.0 #ss Band Band Keysight Spectrum Re Cog 31.5 21.5 11.5 1.53	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	1990 MHz Result Pass 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 00:23:24 M Sep 00, 0 00:25 M Sep 00, 0
#Res BW 1.0 wsg Band Band Keysight Spectrum RL R 10 dB/div Re 10 dB/div Re 11.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	1990 MHz Result Pass 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 00:23:24 M Sep 00, 0 00:25 M Sep 00, 0
#Res BW 1.0 #sg Band #sg Band #sg Band #sg Band #sg B	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	1990 MHz Result Pass 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 00:23:24 M Sep 00, 0 00:25 M Sep 00, 0
Keysight Spectrum RL Re 10 dB/div Re 11.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 Analyzer - Element Materials F 50 Q DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	1990 MHz Result Pass 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 00:23:24 M Sep 00, 0 00:25 M Sep 00, 0
Res BW 1.0 sq Band R RL RL 31.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5 11.5	MHz 25, 1930 MHz - 199 Frequenc Range 1 1 Analyzer - Element Materials F 50 Ω DC	95 MHz, 5G, Port 1 y Technology PNO:Wide ↔	, 10 MHz Bandwdit	h, QPSK Modulati Value (dBm) -22.88	Sweep 1.0	1990 MHz Result Pass 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:22 AM Sep 09, 2 TRACE 09:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 TRACE 00:23:24 M Sep 09, 2 00:23:24 M Sep 00, 0 00:25 M Sep 00, 0





Range Value (dBm) Limit (dBm) Result
3 -25.44 -19 Pass

Auto Arg Type: RMS Avg JHoid: 1000/1000 Mkr1 1.9	09:30:51 AM Sep 09, 20: TRACE 1 2 3 4 5 TYPE A DET A PPPP 997 045 00 GH -25.443 dBt
Mkr1 1.9	997 045 00 GH -25.443 dBr
	-19.00 c
Sween 1	Stop 2.007000 GH I.067 ms (8001 pt
	Sweep 1





MSG

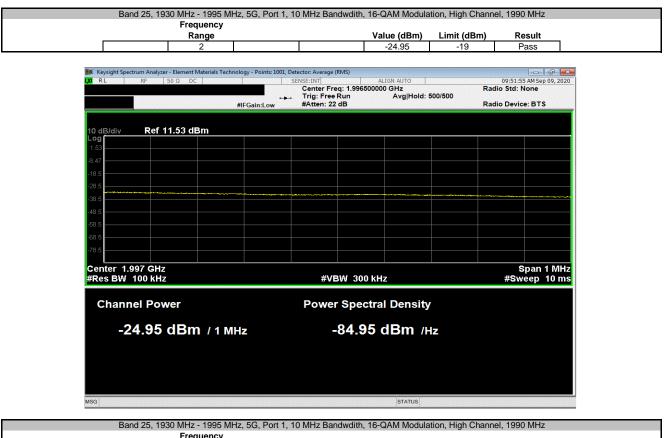
STATUS

STATUS



	Frequency		10 MHz Bandwdith			
	Range 3			Value (dBm) -24.44	Limit (dBm) -19	Result Pass
				2	10	1 400
Keysight Spectrum Ar	nalyzer - Element Materials 1 50 Ω DC	Technology	SENSE:INT	ALIGN AUTO		03:47:42 PM Sep 08, 20
		PNO: Fast 🔸	. Trig: Free Run	Avg Type: Avg Hold:	RMS 1000/1000	TRACE 1 2 3 4 TYPE A WWW DET A P P P
		IFGain:Low	#Atten: 22 dB		Mkr1 1.9	27 902 50 GH
Ref C 10 dB/div Ref Log	0ffset 41.53 dB 41.53 dBm					-24.441 dB
31.5						
21.5						
11.5						
1.53						
-8.47						
19 <i>E</i>						-19.00 d
-18.5						
-28.5						
-38.5						
-48.5						
Start 1.918000 #Res BW 1.0 M ^{ISG} Band 25	Hz	5 MHz, 5G, Port 1,	BW 3.0 MHz*	status n, 16-QAM Modula Value (dBm)	Sweep 1.0	top 1.928000 GH 067 ms (8001 pt el, 1990 MHz Result
#Res BW 1.0 M ASG Band 25	Hz , 1930 MHz - 1995 Frequency Range 1 halyzer - Element Materials T	5 MHz, 5G, Port 1, y		n, 16-QAM Modula	Sweep 1.0	067 ms (8001 pt el, 1990 MHz Result Pass
#Res BW 1.0 M Asg Band 25	Hz , 1930 MHz - 1995 Frequency Range 1 halyzer - Element Materials T	5 MHz, 5G, Port 1, y	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE
#Res BW 1.0 M ASG Band 25	Hz , 1930 MHz - 1995 Frequency Range 1 halyzer - Element Materials T	5 MHz, 5G, Port 1, y	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 M/Sep 09, 20 TRACE 12 34 DET A P P P
#Res BW 1.0 M ASG Band 25 Bit Keysight Spectrum Ar X RL RF	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE
#Res BW 1.0 M ASG Band 25 Bit Keysight Spectrum An X RL RF Ref C	Hz , 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M ASG Band 25 Bit Keysight Spectrum Ar X RL RF	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M ASG Band 25 Exception Arr Keysight Spectrum Arr X RL RF 10 dB/div Ref 0 g	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M ASG Band 25 Band 25 B	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M Asg Band 25 Band 25 Keysight Spectrum Ar X RL RF 10 dB/div Ref 31.5	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M ASG Band 25 Band 25 B	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M #sg Band 25 Band 25 Keysight Spectrum Ar R RL RF 10 dB/div Ref 21.5 11.5	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl SENSE:INT Trig: Free Run #Atten: 22 dB	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M Asg Band 25 Band 25 B	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl SENSE:INT Trig: Free Run #Atten: 22 dB	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 Misep 09, 20 TRACE 2 3 4 TYPE A WWW DET A PP P 95 000 00 GH -22.080 dB
#Res BW 1.0 M Asg Band 25 Band 25 B	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl SENSE:INT Trig: Free Run #Atten: 22 dB	n, 16-QAM Modula Value (dBm) -22.08 ALIGN AUTO Avg Type:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 AMsep 09, 20 TRACE 2 3 4 TYPE A PP PT 95 000 00 GH
#Res BW 1.0 M Asg Band 25 Band 25 B	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	ALIGN AUTO Avg Type: Avg Hoid:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE 12 34 DET A PPP 95 000 00 GH -22, 080 dB
#Res BW 1.0 M #sg Band 25 Band 25 Exercise Ref C Co Co Co Co Co Co Co Co Co C	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	ALIGN AUTO Avg Hoid:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 Misep 09, 20 TRACE 2 3 4 TYPE A WWW DET A PP P 95 000 00 GH -22.080 dB
#Res BW 1.0 M Asg Band 25 Band 25	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	ALIGN AUTO Avg Type: Avg Hoid:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE 12 34 DET A PPP 95 000 00 GH -22, 080 dB
Keysight Spectrum Ar Image: Spectrum Ar <tr< td=""><td>Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC</td><td>5 MHz, 5G, Port 1, y Technology PNO: Wide →</td><td>10 MHz Bandwditl</td><td>ALIGN AUTO Avg Type: Avg Hoid:</td><td>Sweep 1.</td><td>067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE 12 34 DET A PPP 95 000 00 GH -22, 080 dB</td></tr<>	Hz , 1930 MHz - 1995 Frequency Range 1 1 so Ω DC	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	ALIGN AUTO Avg Type: Avg Hoid:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE 12 34 DET A PPP 95 000 00 GH -22, 080 dB
Keysight Spectrum Ar Image: Section of the system of th	Hz , 1930 MHz - 1995 Frequency Range 1 1 1 1 1 1 1 1 1 1 1 1 1	5 MHz, 5G, Port 1, y Technology PNO: Wide →	10 MHz Bandwditl	ALIGN AUTO Avg Type: Avg Hoid:	Sweep 1.	067 ms (8001 pt el, 1990 MHz Result Pass 09:51:03 MSep 09, 20 TRACE 12 34 DET A PPP 95 000 00 GH -22, 080 dB





	Range		Value (dBm)	Limit (dBm)	Result
ſ	3		-25.56	-19	Pass

RL RF 50 Ω DC	5	ENSE:INT	ALIGN AUTO	09:52:50 AM Sep 09, 20
	PNO: Fast +++ IFGain:Low	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/1000	TRACE 1 2 3 4 1 TYPE A WWW DET A P P P P
Ref Offset 41.53 dB dB/div Ref 41.53 dBm			Mkr1	1.997 010 00 GH -25.555 dBi
.5				
.5				
.5				
53				
7				
5 1				-19.00 (
5				
5				
.5				
art 1.997000 GHz tes BW 1.0 MHz	#\/B)	N 3.0 MHz*	Swee	Stop 2.007000 GF p 1.067 ms (8001 pt



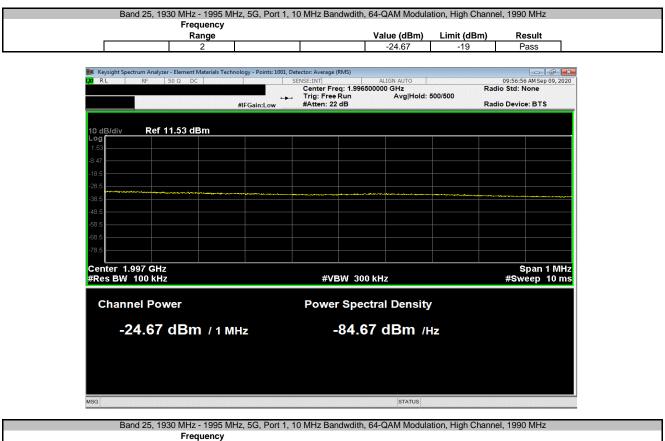


STATUS



	Frequency			n, 64-QAM Modula		
	Range 3			Value (dBm) -24.25	Limit (dBm) -19	Result Pass
	5			24.23	15	1 433
Keysight Spectrum Ar K	halyzer - Element Materials T 50 Ω DC	echnology	SENSE:INT	ALIGN AUTO		03:58:08 PM Sep 08, 20
		PNO: Fast 🔸	Trig: Free Run	Avg Type: Avg Hold:	RMS 1000/1000	TRACE 1 2 3 4 TYPE A WWW
		IFGain:Low	#Atten: 22 dB			
Ref C 10 dB/div Ref	0ffset 41.53 dB 41.53 dBm				WIKET 1.	927 907 50 GI -24.254 dB
10 dB/div Ref						
31.5						
21.5						
21.0						
11.5						
1.53						
0.17						
-8.47						
-18.5						-19.00
-28.5						
-38.5						
-48.5						
Start 1.918000 #Res BW 1.0 M		<i>#</i>		,		Stop 1.928000 G
MSG	, 1930 MHz - 1995 Frequency	MHz, 5G, Port 1,	W 3.0 MHz* 10 MHz Bandwdit		ation, High Chan	
MSG	, 1930 MHz - 1995	MHz, 5G, Port 1,				
Band 25,	, 1930 MHz - 1995 Frequency Range 1	MHz, 5G, Port 1,		h, 64-QAM Modula	ation, High Chan Limit (dBm)	nel, 1990 MHz Result Pass
Band 25,	, 1930 MHz - 1995 Frequency Range	MHz, 5G, Port 1,		h, 64-QAM Modula Value (dBm) -20.52	ttion, High Chan Limit (dBm) -19	nel, 1990 MHz Result Pass
MSG Band 25,	, 1930 MHz - 1995 Frequency Range 1 1	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52	ttion, High Chan Limit (dBm) -19 RMS	nel, 1990 MHz Result Pass 09:56:08 AM Sep 09, 20 TRACE
Band 25,	, 1930 MHz - 1995 Frequency Range 1 1 nalyzer - Element Materials Tr 50 & DC	MHz, 5G, Port 1,	10 MHz Bandwdii	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Keysight Spectrum Ar M RL RF Ref C	, 1930 MHz - 1995 Frequency Range 1 1	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:56:08 AM Sep 09, 21 TRACE TRACE TRACE DET A PPP
Band 25, Band 25, Keysight Spectrum Ar M RL RF 10 dB/div Ref Log	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Keysight Spectrum Ar M RL RF Ref C	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
Band 25, Band 25, Keysight Spectrum Ar M RL RF 10 dB/div Ref Log	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Band 25, Keysight Spectrum Ar MRL RF 10 dB/div Ref 31.5 21.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
Band 25, Band 25, Keysight Spectrum Ar R RL RF Clo dB/div Ref 31.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Band 25, Keysight Spectrum Ar MRL RF 10 dB/div Ref 31.5 21.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
Band 25, Band 25, Keysight Spectrum Ar X RL RF 0 dB/div Ref 0 31 5 21.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Band 25, Keysight Spectrum Ar XI RL RF ClodB/div Ref 10 dB/div Ref 11 5 11.5 1.53 -8.47	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdif	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:56:08 MS 90 9.2 TRACE 234 TYPE 234 TYPE 299 995 000 00 CS -20.518 CB
Msg Band 25, Band 25, Image: Spectrum Arrow of the spectrum A	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	ation, High Chan Limit (dBm) -19 RMS 100/100 Mkr1 1.	nel, 1990 MHz Result Pass 09:55:08 AM Sep 19, 21 TRACE 23 4 TYPE A TYPE 0 P 5 000 00 G
MSG Band 25, Band 25, Keysight Spectrum Ar XI RL RF ClodB/div Ref 10 dB/div Ref 11 5 11.5 1.53 -8.47	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	ntion, High Chan Limit (dBm) -19 RMS 100/100	nel, 1990 MHz Result Pass 09:56:08 AMSep 09, 22 TRACE 2 3.4 TYPE A 0ET A PPP 995 000 00 GI -20.518 dB
MSG Band 25, Band 25, Keysight Spectrum Ar X RL RF 10 dB/div Ref 31.5 21.5 1.5 1.5 1.5 48.47 -18.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	ation, High Chan Limit (dBm) -19 RMS 100/100 Mkr1 1.	nel, 1990 MHz Result Pass 09:56:08 MS 90 9.2 TRACE 234 TYPE 234 TYPE 299 995 000 00 CS -20.518 CB
MSG Band 25, Band 25, MSG RL R€ 10 dB/div Ref 10 dB/div Ref 11 5 11 5 15 16 1.53 8.47 -28.5 -38.5	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	ation, High Chan Limit (dBm) -19 RMS 100/100 Mkr1 1.	nel, 1990 MHz Result Pass 09:56:08 AMSep 09, 22 TRACE 2 3.4 TYPE A 0ET A PPP 995 000 00 GI -20.518 dB
MSG Band 25, Band 25, Band 25, It Keysight Spectrum Ar It Keysight Spectrum Ar It RE It RE It RE It It It I	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	ation, High Chan Limit (dBm) -19 RMS 100/100 Mkr1 1.	nel, 1990 MHz Result Pass 09:56:08 AMSep 09, 22 TRACE 2 3.4 TYPE A 0ET A PPP 995 000 00 GI -20.518 dB
Band 25, Band 25, RL RF RECONTRACTOR RECONTR	, 1930 MHz - 1995 Frequency Range 1 1 halyzer - Element Materials Tr 50 Ω DC Dffset 41.53 dB 41.53 dBm 41.53 dBm 1 1 1 1 1 1 1 1 1 1 1 1 1	MHz, 5G, Port 1,	10 MHz Bandwdit	h, 64-QAM Modula Value (dBm) -20.52 ALIGN AUTO Avg Type: Avg Hold:	Ation, High Chan Limit (dBm) -19 RMS 100/100 Mkr1 1.	nel, 1990 MHz Result Pass 09:56:08 AMSep 09, 22 TRACE 2 3.4 TYPE A 0ET A PPP 995 000 00 GI -20.518 dB





		Range		Value (dBm)	Limit (dBm)	Result
3 -25.68 -19 Pass		3		-25.68	-19	Pass

RL RF 50 Ω DC	S	ENSE:INT	ALIGN AUTO	09:5	7:36 AM Sep 09, 202
	PNO: Fast +++	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/10		TRACE 1 2 3 4 5 TYPE A WWWA DET A P P P P
Ref Offset 41.53 dB dB/div Ref 41.53 dBm				Wkr1 1.997 -2	005 00 GH 25.684 dBr
1.5					
.5					
.5					
53					
47					
.5					-19.00 o
.5					
.5					
3.5					
art 1.997000 GHz Res BW 1.0 MHz	#VB)	V 3.0 MHz*		Stop Stop Sweep 1.067	2.007000 GH



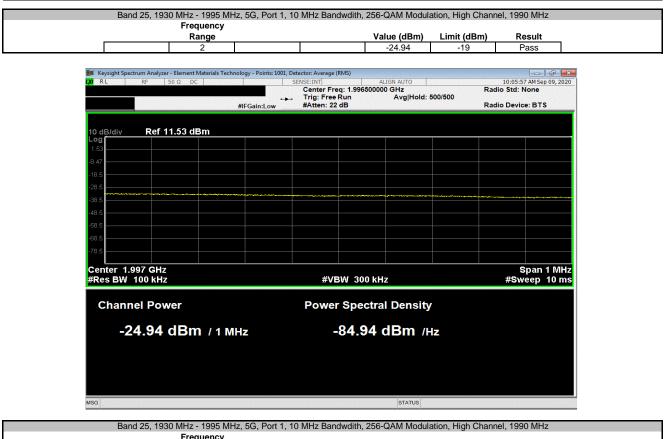


STATUS



	Frequency Range			Value (dBm)	Limit (dBm)	Result
	3			-24.63	-19	Pass
Keysight Spectrum An	alyzer - Element Materials Te	chnology				
XI RL RF	50 Ω DC		SENSE:INT	ALIGN AUTO Avg Type:	RMS	04:06:11 PM Sep 08.2
		PNO: Fast ++ IFGain:Low	Trig: Free Run #Atten: 22 dB	Avg Hold:	1000/1000	TRACE 1 2 3 4 TYPE A WWW DET A P P P
Ref O	ffset 41.53 dB				Mkr1 1.9	27 998 75 G
10 dB/div Ref 4	11.53 dBm					-24.625 dE
31.5						
51.5						
21.5						
11.5						
1.53						
-8.47						
-18.5						-19.00
-28.5						
38.5						
-48.5						
Start 1.918000 (
					St	top 1.928000 G
#Res BW 1.0 MI	Hz 1930 MHz - 1995 N Frequency	MHz, 5G, Port 1,	BW 3.0 MHz*		Sweep 1.	0 67 ms (8001 p el, 1990 MHz
#Res BW 1.0 MI	Hz 1930 MHz - 1995 N	MHz, 5G, Port 1,			Sweep 1.	067 ms (8001 p
#Res BW 1.0 MI ASG Band 25,	Hz 1930 MHz - 1995 N Frequency Range 1 alyzer - Element Materials Te	MHz, 5G, Port 1,	10 MHz Bandwdith	n, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm)	067 ms (8001 p el, 1990 MHz Result Pass
#Res BW 1.0 MI Asg Band 25,	Hz 1930 MHz - 1995 M Frequency Range 1	MHz, 5G, Port 1,	10 MHz Bandwditł	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 0 200
#Res BW 1.0 MI ASG Band 25,	Hz 1930 MHz - 1995 N Frequency Range 1 alyzer - Element Materials Te	MHz, 5G, Port 1,	10 MHz Bandwdith	n, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz <u>Result</u> Pass 10:05:21 AMSep 09, 2 TRACE 1234 TYPE A SP P
#Res BW 1.0 MI ASG Band 25, Bit Keysight Spectrum An X RL RF Ref 0	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE A DET APP F 95 0000 00 G
#Res BW 1.0 MI	Hz 1930 MHz - 1995 N Frequency Range 1 1 alyzer - Element Materials Te 50 Ω DC	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz <u>Result</u> Pass 10:05:21 AMSep 09, 2 TRACE 1234 TYPE A SP P
#Res BW 1.0 MI	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE A DET APP F 95 0000 00 G
#Res BW 1.0 MI ISG Band 25, Band 25, Keysight Spectrum An A RL RF 10 dB/div Ref 2 31.5	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE A DET APP F 95 0000 00 G
#Res BW 1.0 MI ISG Band 25, Band 25, Keysight Spectrum An R RL RF RL RF 0 dB/div Ref 0	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE A DET APP F 95 0000 00 G
#Res BW 1.0 MI Isg Band 25, Band 25, Keysight Spectrum An RL RF 0 dB/div Ref 2 31.5	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE AWAY DET APP F 95 0000 00 G
#Res BW 1.0 MI #sg Band 25, Band 25, Exception Annotation Annotation RL RF Ref 0 Ref 0 Ref 4 Ref 2 State of the state of the s	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE AWAY DET APP F 95 0000 00 G
#Res BW 1.0 MI Asg Band 25, Band 25, Band 25, Res Band 25, Band 25, B	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE AWAY DET APP F 95 0000 00 G
#Res BW 1.0 MI INSG Band 25, Band 25, Band 25, Res Band 25, Band 25,	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE AWAY DET APP F 95 0000 00 G
#Res BW 1.0 MI Asg Band 25, Band 25, Band 25, Res Band 25, Band 25, B	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwdith	A, 256-QAM Modul Value (dBm) -20.39	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 10 3 4 TYPE AWAY DET APP F 95 0000 00 G
#Res BW 1.0 Mi #sg Band 25, Band 25, Band 25, Ref 0 Ref 0 Ref 0 Ref 1 Ref 2 Ref 0 Ref 4 Ref 4 R	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	ALIGN AUTO	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100 Mkr1 1.9	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 12 3 4 TYPE A PP F 95 000 00 C -20.393 dE
Keysight Spectrum Ann XI RE 0 Band 25, XI RE 0 Ref 0 10 C 11.5	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	ALIGN AUTO	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100	067 ms (8001 p el, 1990 MHz Result Pass 10:05:21 AM Sep 09, 2 TRACE 12 3 4 TYPE A PP F 95 000 00 C -20.393 dE
#Res BW 1.0 Mi #sg Band 25, Band 25, Band 25, Ref 0 Ref 0 Ref 0 Ref 1 Ref 2 Ref 0 Ref 4 Ref 4 R	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	ALIGN AUTO	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100 Mkr1 1.9	067 ms (8001 p el, 1990 MHz Pass 10:05:21 AM Sep 09, 2 TRACE 09, 3
#Res BW 1.0 Mi #sg Band 25, Band 25, Band 25, Band 25, Ref 0 Cog Cog Cog Cog Cog Cog Cog Cog	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	ALIGN AUTO	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100 Mkr1 1.9	067 ms (8001 p el, 1990 MHz Pass 10:05:21 AM Sep 09, 2 TRACE 09, 3
Res BW 1.0 Mi SG Band 25, Band 25, RL RL RF 0 dB/div Ref 0 11.5 11.5 11.6 8.47 18.5 38.5	Hz 1930 MHz - 1995 M Frequency Range 1 alyzer - Element Materials Te 50 Ω DC ffset 41.53 dB	MHz, 5G, Port 1,	10 MHz Bandwditł	ALIGN AUTO	Sweep 1. ation, High Chann Limit (dBm) -19 RMS 100/100 Mkr1 1.9	067 ms (8001 p el, 1990 MHz Pass 10:05:21 AM Sep 09, 2 TRACE 09, 3





	Range		Value (dBm)	Limit (dBm)	Result
ſ	3		-25.56	-19	Pass

PNO: Fast ↔ IFGain:Low	Trig: Free Run #Atten: 22 dB	Avg Type: RMS Avg Hold: 1000/10(/kr1 1.997	011 25 GH			
		N	/kr1 1.997 -2	011 25 GH 15,563 dBr			
				Mkr1 1.997 011 25 GF -25.563 dB			
				-19.00 c			
#\/B/	1 3 0 MH7*		Stop	2.007000 GH ms (8001 pt			
	#VBV	#VBW 3.0 MHz*	#VBW 3.0 MHz*	#VBW 3.0 MHz* Sweep 1.067			