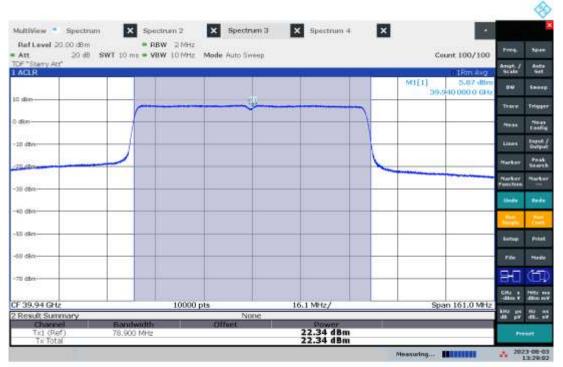
#### Output Power – Path 2, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



01:24:36 PM 08/03/2023



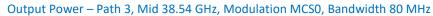
Output Power - Path 2, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

01:29:03 PM 08/03/2023

#### Output Power – Path 3, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz

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Result Summary Channel	Bandwidth		None	Power				8100 JAS	d8
37.14 GHz		10000 pts		16.1 MHz/	-	Sp	an 161.0 MHz	24 March 1999	-
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ACLR					12	M1[1]	7,00 dilm	Spale	-
F "Starry Att"	SWT 10 ms = V	BW 10 MHz Mo	de Auto Sweep			Ce	aunt 100/100	Anat. /	
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lultiView * Spectru	m 🗙 Spi	retruen 2	Spectrum 3	× Spectrum	4 X				
									2

01:35:43 PM 08/03/2023





01:42:08 PM 08/03/2023

#### Output Power – Path 3, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



01:46:05 PM 08/03/2023



#### Output Power – Path 3, Low 37.14 GHz, Modulation MCS9, Bandwidth 80 MHz

01:39:48 PM 08/03/2023

#### Output Power – Path 3, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



01:43:50 PM 08/03/2023



Output Power – Path 3, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

01:48:03 PM 08/03/2023

#### Output Power – Path 4, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz



01:52:05 PM 08/03/2023



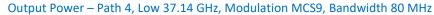
#### Output Power – Path 4, Mid 38.54 GHz, Modulation MCSO, Bandwidth 80 MHz

01:57:37 PM 08/03/2023

#### Output Power - Path 4, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



02:01:58 PM 08/03/2023





01:54:31 PM 08/03/2023

#### Output Power – Path 4, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



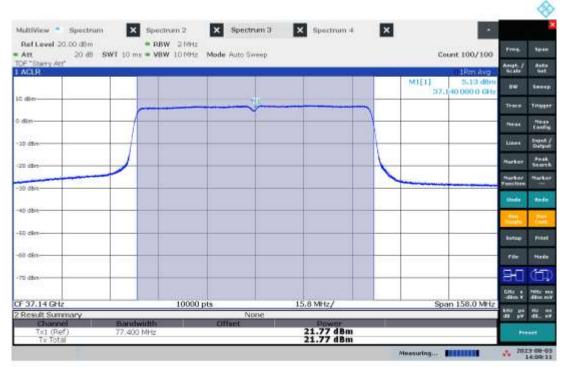
01:59:59 PM 08/03/2023



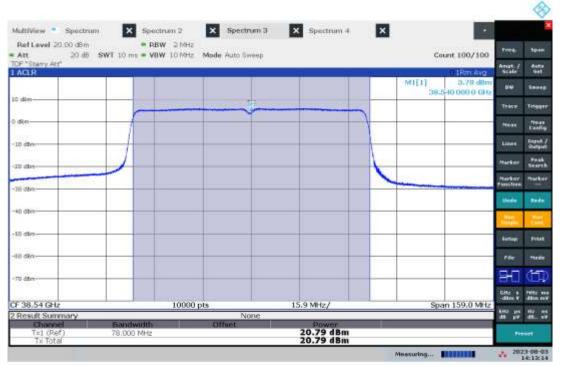
Output Power – Path 4, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

02:03:48 PM 08/03/2023

#### Output Power – Path 5, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz



02:09:11 PM 08/03/2023



Output Power – Path 5, Mid 38.54 GHz, Modulation MCSO, Bandwidth 80 MHz

02:13:14 PM 08/03/2023

#### Output Power – Path 5, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



02:16:51 PM 08/03/2023



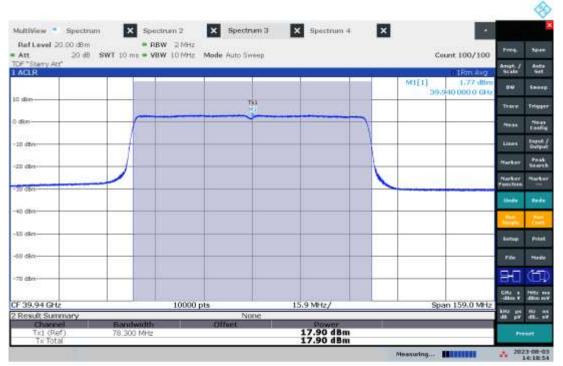
Output Power – Path 5, Low 37.14 GHz, Modulation MCS9, Bandwidth 80 MHz

02:11:09 PM 08/03/2023

#### Output Power – Path 5, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



02:15:01 PM 08/03/2023



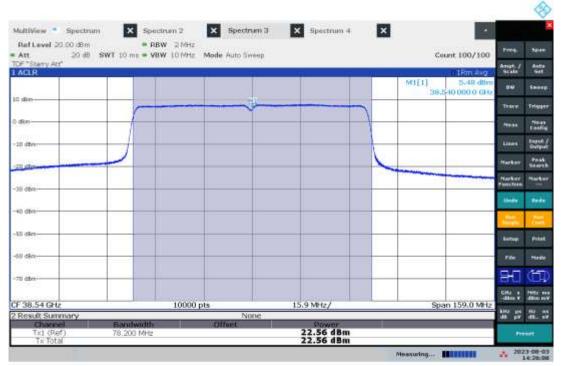
Output Power – Path 5, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

02:18:54 PM 08/03/2023

#### Output Power – Path 6, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz

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4D dBm				 				7.22
30 dBm				 _		-	Turn line	Test
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1D dBm							Lines -	Digit Dista
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ACLR					M1[1]	8.16 dBm 140 000 0 GHz	n.	Smeet
OF "Starry Att"	8 SWT 10 ms =	VBW 1010Hz Mo	de Auto Sweep		Ce	ount 100/100	Presi Angt. / Scale	Auto

02:22:35 PM 08/03/2023



#### Output Power – Path 6, Mid 38.54 GHz, Modulation MCSO, Bandwidth 80 MHz

02:26:08 PM 08/03/2023

#### Output Power – Path 6, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



02:29:46 PM 08/03/2023



#### Output Power – Path 6, Low 37.14 GHz, Modulation MCS9, Bandwidth 80 MHz

02:24:14 PM 08/03/2023

#### Output Power – Path 6, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



02:27:47 PM 08/03/2023



#### Output Power – Path 6, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

02:31:20 PM 08/03/2023

#### Output Power – Path 7, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz

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10 dim						Harksr	Peak Search
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60 dên						B-O	(T)

02:36:41 PM 08/03/2023



#### Output Power – Path 7, Mid 38.54 GHz, Modulation MCSO, Bandwidth 80 MHz

02:43:14 PM 08/03/2023

#### Output Power – Path 7, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



02:46:34 PM 08/03/2023



#### Output Power – Path 7, Low 37.14 GHz, Modulation MCS9, Bandwidth 80 MHz

02:40:19 PM 08/03/2023

#### Output Power – Path 7, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



02:44:49 PM 08/03/2023



Output Power – Path 7, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

02:48:15 PM 08/03/2023

#### Output Power – Path 8, Low 37.14 GHz, Modulation MCSO, Bandwidth 80 MHz



02:52:21 PM 08/03/2023



#### Output Power – Path 8, Mid 38.54 GHz, Modulation MCSO, Bandwidth 80 MHz

02:56:23 PM 08/03/2023

#### Output Power - Path 8, High 39.94 GHz, Modulation MCSO, Bandwidth 80 MHz



03:00:12 PM 08/03/2023



Output Power – Path 8, Low 37.14 GHz, Modulation MCS9, Bandwidth 80 MHz

02:54:09 PM 08/03/2023

#### Output Power – Path 8, Mid 38.54 GHz, Modulation MCS9, Bandwidth 80 MHz



02:58:03 PM 08/03/2023



Output Power – Path 8, High 39.94 GHz, Modulation MCS9, Bandwidth 80 MHz

03:02:23 PM 08/03/2023

# Intertek

Report Number: 105391852BOX-001.4

Product Standa	ard: FCC 47CFR Part 30 Su	ubparts C and E		Limit applied: See Report Section 6.2			
Test Date		Supervising				Atmospheric	Data
	Test Personnel/ Initials	Engineer/	Input Voltage	Mode	Temp	Relative	Atmospheric
		Initials			°C	Humidity %	Pressure mbar
04/20/2023	11.05	N/A	48VDC Via	See Report	22	21	1021
	Kouma Sinn 🖉	IN/A	External P/S	Section 4	22	21	1021
04/21/2023	li ac	N/A	48VDC Via	See Report	24	24	1024
	Kouma Sinn 🖉	N/A	External P/S	Section 4	24	24	1024
08/03/2023	11.05	N/A	48VDC Via	See Report	23	55	1022
	Kouma Sinn 🖉	IN/A	External P/S	Section 4	23	55	1022

Deviations, Additions, or Exclusions: None

# 7 Out of Band (OOB) Domain

# 7.1 Method

Tests are performed in accordance with FCC 47CFR Part 30 Subpart C and KDB 842590 D01 Upper Microwave Flexible Use Service v01r02 April 20, 2021 Subclause 4.4.2. The conducted method was used, using EMI Receiver power channel integration with RMS Average detector.

### TEST SITE: EMC Lab

The EMC Lab has one Semi-anechoic Chamber and one Shielded Chamber. AC Mains Power is available at 120, 230, and 277 Single Phase; 208, 400, and 480 3-Phase. Large reference ground-planes are installed in the general lab area to facilitate EMC work not requiring a shielded environment.

## 7.2 Limit:

Limit – FCC 47CFR Part 30 Subpart C, Section 30.203 (a) (b): 2021

(a) The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

(b)

(1) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

(2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges as the design permits.

(3) The measurements of emission power can be expressed in peak or average values.

# 7.3 Test Equipment Used:

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
Starry cable	Flexible 10' 40 GHz coaxial cable, 2.92mm M - 2.92mm M	San-tron	99139-02 M120	None	04/19/2023	N/A
Starry attenuator	20 dB Fixed Attenuator, 2.92mm M - 2.92mm F, 2W	Pasternack	PE7395-20	None	04/19/2023	N/A
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	11/18/2022	11/18/2023
			6351 Vantage			
DAV009'	weather station	Davis Instruments	VUE	DAV009	03/27/2023	03/27/2024

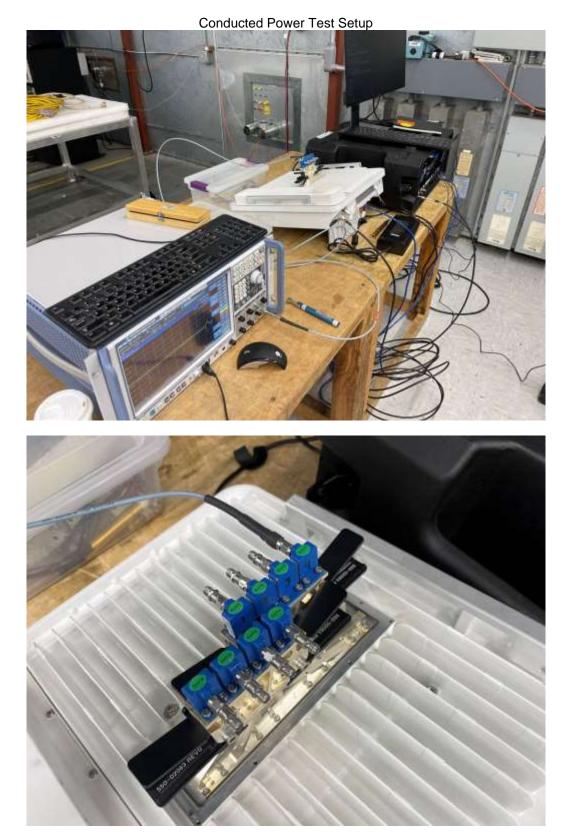
#### Software Utilized:

Name	Manufacturer	Version
None	N/A	N/A

# 7.4 Results:

The sample tested was found to Comply.

# 7.5 Setup Photographs:



Intertek

# 7.6 Plots/Data:

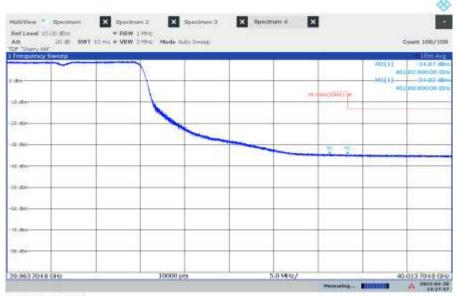
Lower Band Edge – Path 1, Modulation: MCS0, Bandwidth: 20 MHz

Intertek

Ref Level 20.00 dBn Att 20.05 SWT 10 mil Df "Starry Att"			
Frequency Sweep			M2(1) -25.94 an
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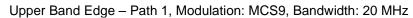


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Lower Band Edge - Path 1, Modulation: MCS9, Bandwidth: 20 MHz

MultiView • Spectrum	Spectrum 2 Spectrum 3	× Spectrum 4	
Att 30 d6 SWT L0 ms TDF "Starry Att"	BBW 1 MHz     WBW 3 MHz     Mode Auto Sweep		Count 100/100
1 Frequency Sweep	40 - 40	M M	M2[1] -26.63 dBm
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The second			36(998 000 0 6Hz
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-			
-10 dBm			
-20 dBm			
MAR			
-111 dbm			
-40 dEm-			
-SD dBm			
-50 dem			
-70 dêm			
CF 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MHz
		Measurt	Mg 2023-04-20 14:41:60

02:41:00 PM 04/20/2023



MultiView • Spectrum	Spectrum 2 Spectrum 3	X Spectrum 4 X		
	= VBW 3 MHz Mode Auto Sweep			Count 100/10
Frequency Sweep		14	Y	M2[1] -35.05 dB
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F 39.988 7048 GHz	10000 pts	5.0 MHz/	6	Span 50.0 MH

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Ref Level 10.00 dBm	· RBW 1 MHz				
Ref Level 10.00 dBm           Att         20 d6         SWT 10 mi           TDF "Starry Att"	= VBW 3 MHz Mod	le Auto Sweep			Count 100/100
Frequency Sweep		-14	12.	<i>31</i> (1)	O 1Fm Avg
				N N	42[1] -20.74 dBn 32.000 0000 0H
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7.16H2(160MH2) LE					
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30 dBm			and the second se		
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70 devi-		-		-	
dil dêm					
F 36.921 98 GHz	1000	10 pts	44.4 MHz/		Span 443.96 MHz

Lower Band Edge - Path 1, Modulation: MCS0, Bandwidth: 160 MHz

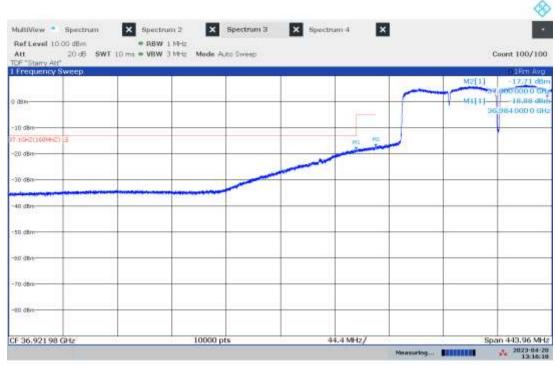
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		LD ms = VBW	3 MHz Mode Au	in Country				Count 100/100
DF "Starry Atto	3000 30037	10000 - 4000	STATE MODE NO	in sump				
frequency Swi	eep	h		[			M4[4]	-19.31 d8 -19.31 d8 0.016 000 0 G -18.15 d8 0.000 000 0 G
10 dBm	N	-	39 (PGH2(1ADMH2) (R					
20 dBm		-	A11 (H2)					
30 dBm			_				-	
40 dBm						****		
SD dBm								
e0 dBri						_		
70 d <b>bri</b> .			_				_	
III dêm			-			_		

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Lower Band Edge - Path 1, Modulation: MCS9, Bandwidth: 160 MHz



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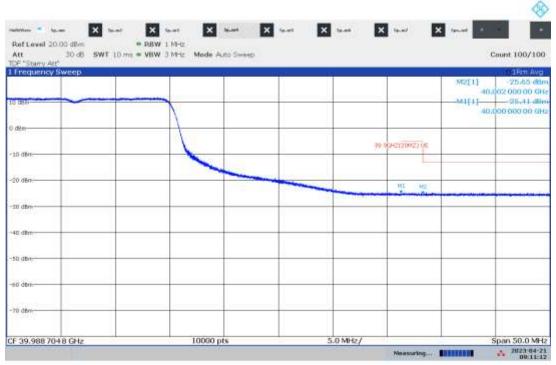
MultiView • Spectrum	Spectrum 2 X Spectrum 3     BBW 1 M-Iz	X Spectrum 4 X	
Att 20.66 SWT 10 m DF "Stamy Att"			Count 100/10
Frequency Sweep		10	M2[1] -19,34 d8
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30 dBm			
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F 40.068 704 8 GHz	10000 pts	44.4 MH2/	Span 443.96 M 2023-04- 12:08:

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Lower Band Edge - Path 2, Modulation: MCS0, Bandwidth: 20 MHz

Att         30 dil SWT 10 mg = VBW 3 htt:         Mode Auto Sweep         Count 100/100           DP "Starry Att"         03 bit ///////////////////////////////////		U				
Att         30 db         SWT [D mg * VBW 3 MHz         Mode Auto Swreep         Court 100/100           DF Sharry Att         001 Etth/Atto         001 Etth/Atto         001 Etth/Atto           10 dbs         00 eth         100 eth         100 eth         100 eth           10 dbs         00 eth         001 eth         100 eth         100 eth           10 dbs         00 eth         001 eth         001 eth         1000 eth           10 dbs         00 eth         001 eth         001 eth         1000 eth           10 dbs         0000 eth         0000 eth         0000 eth         10000 eth         10000 eth			X laure X laure	X In-mil	× 🛶 🛛 ×	Second St. 1
If Perguericy Sweep.         If 2 Fm Avo           10 den         M2[1]         20.635 den           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHz           10 den         Se 390 Doo GHz         Se 390 Doo GHZ           10 den         Se 390 Doo GHZ         Se 390 Doo GHZ           10 den         Se 390 Doo GHZ         Se 390 Doo GHZ           10 den         Se 390 Doo GHZ         Se 390 Doo GHZ           10 den         Se 390 Doo GHZ         Se 390 Doo GHZ	Ref Level 20.00 dBm Att 30 d6 SWT TDF "Starry Att"	* RBW 1 MHz 10 ms * VBW 3 MHz Mee	de Auto Sweep			Count 100/100
10 des	1 Frequency Sweep	Wi		16		01Fm Avg M2[1] -26.53 d/m
0 d8m         36 998 000 0 d4c           10 d8m         10 d8m           10 d8m         10000 pts           20.0 MHz/         Span 200.0 MHz						57,000,000,000
0 dem 10 dem	10 dBm					M3[1] 26.09 dBn 36.998 000 0 GHz
10 den 10 den	0 dBas					Sector Sector Sector Sector
20 dBn         Nag         Image: Constraint of the second						
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-tu dim -tu dim -50 dim -60 dim -70 di	and the second s					
50 dtm 60 dtm 70 dtm 10 000 pts 20.0 MHz/ Span 200.0 MHz						
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F 37.09125 GHz 10000 pts 20.0 MHz/ Span 200.0 MHz	-o0 den					
	-70 dBm				_	
	CE 37 001 35 CHz	100	00.016	20.0 MHz /		Span 200 0 Mu
		100	oo pra	20.0 ME127	Measuring	

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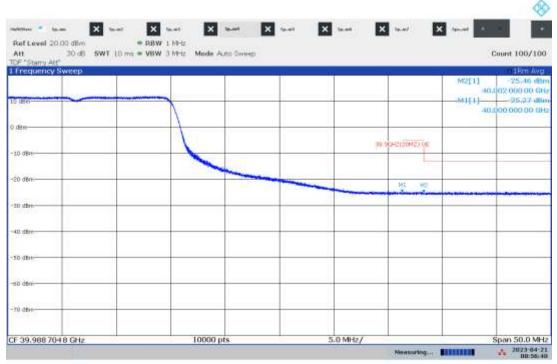
Upper Band Edge - Path 2, Modulation: MCS0, Bandwidth: 20 MHz

09:11:12 AM 04/21/2023

Lower Band Edge - Path 2, Modulation: MCS9, Bandwidth: 20 MHz

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Ref Level 20.00 dBm Att 30 d6	SWT	* 10 ms *	RBW 1 VBW 3	MHz M	Mode Au	to Swee	ø								G	ount 100/	100
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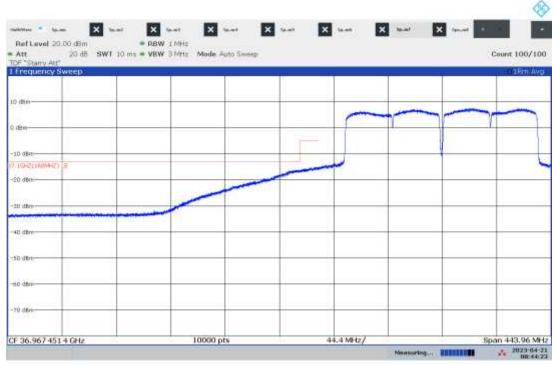
08:50:45 AM 04/21/2023



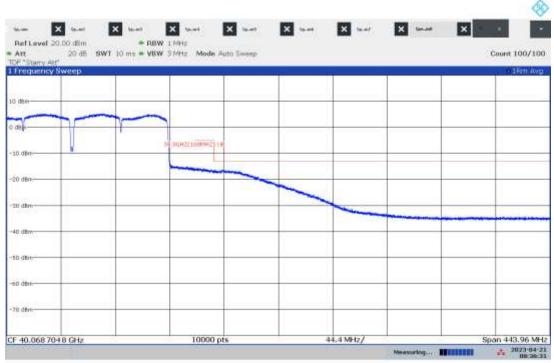
Upper Band Edge - Path 2, Modulation: MCS9, Bandwidth: 20 MHz

08:56:41 AM 04/21/2023

Lower Band Edge – Path 2, Modulation: MCS0, Bandwidth: 160 MHz



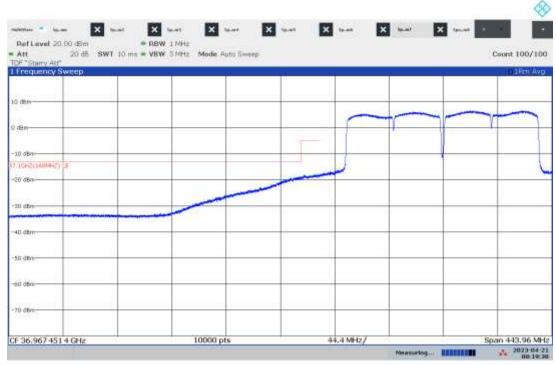
08:44:24 AM 04/21/2023



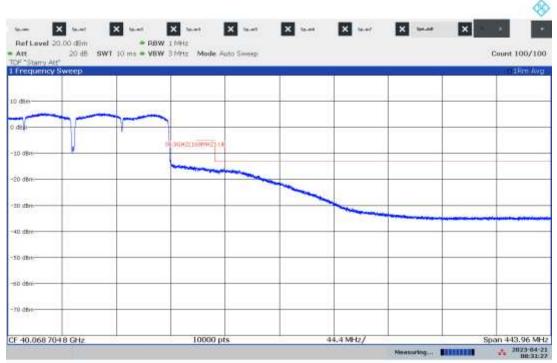
Upper Band Edge - Path 2, Modulation: MCS0, Bandwidth: 160 MHz

08:36:32 AM 04/21/2023

Lower Band Edge - Path 2, Modulation: MCS9, Bandwidth: 160 MHz



<sup>08:19:39</sup> AM 04/21/2023



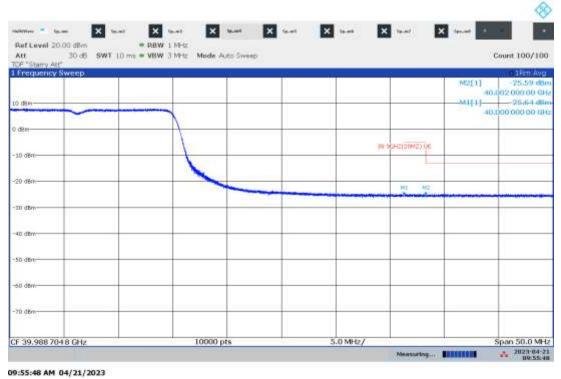
Upper Band Edge - Path 2, Modulation: MCS9, Bandwidth: 160 MHz

08:31:27 AM 04/21/2023

Lower Band Edge - Path 3, Modulation: MCS0, Bandwidth: 20 MHz

	X 444 X 444 X		N (quart ) N (quart	*
Transferrate to the second s				
Att 30.d6 SWT 10 m	e BBW 1 MHz e = VBW 3 MHz Mode Auto Sweep			Count 100/100
1 Frequency Sweep		- 10		11km Avg
				2[1] -26,80 dBm 27,000,000 0 GHz
10 d8m			M	8[1]
1997 - 19				36,998,000,0 GH
0 d9m				
L. L.				
-10 dBm				
-20 dBm			1	
MHZ				
-III dBm				
-40.dEm-				
-5D dBm				
-oli dem-				
-70 dBm				
CF 37.091 25 GHz	10000 pts	20.0 MHz/	06	Span 200.0 MHz
			Measuring	2023-04-23

09:49:15 AM 04/21/2023

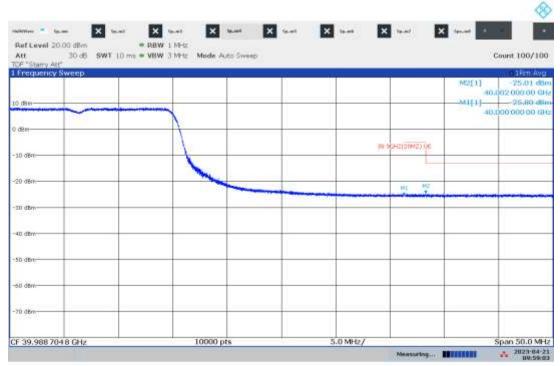


Upper Band Edge - Path 3, Modulation: MCS0, Bandwidth: 20 MHz

Lower Band Edge - Path 3, Modulation: MCS9, Bandwidth: 20 MHz

			48
national 🐐 launa 🗙 launa	X 44.00 X 14.00 X	land X land X land	X
Ref Level 20:00 dBm           Att         30 d6         SWT 10 mm           TDF "Starry Att"	PBW 1 MHz     WBW 3 MHz     Mode Auto Sweep		Count 100/100
1 Frequency Sweep	40)	W W	M2[1] -26.54 dBm
(2)(5)(			37,000,000 0 646
10 d8m			M3[1] - 26.78 dBn - 26.78 dBn
0 d2m			
-			
-10 dBm			
17. V3-2 (20MH2) (#			
-20 dBm			
NHT		and the second sec	
-1D dEm			
-40 dBm			
-50 dBn			
-60 dbw-			
-70 dbm			
CF 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MHz
		Measo	eleg 10:05:27

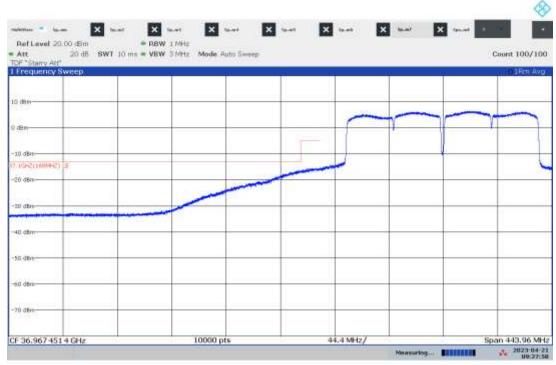
10:05:27 AM 04/21/2023



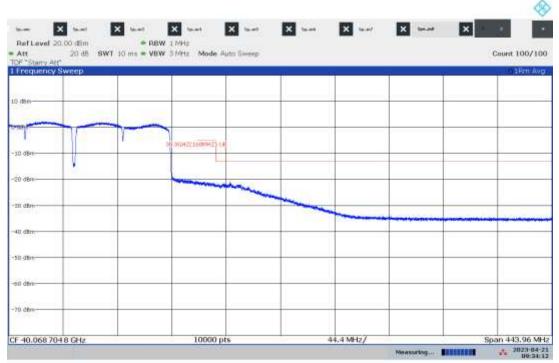
Upper Band Edge - Path 3, Modulation: MCS9, Bandwidth: 20 MHz

09:59:03 AM 04/21/2023

Lower Band Edge – Path 3, Modulation: MCS0, Bandwidth: 160 MHz



<sup>09:27:58</sup> AM 04/21/2023



Upper Band Edge - Path 3, Modulation: MCS0, Bandwidth: 160 MHz

09:34:12 AM 04/21/2023

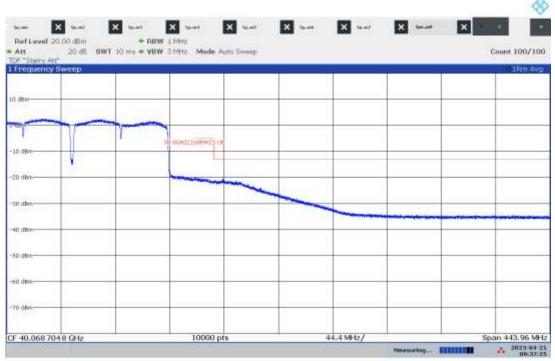
A

Report Number: 105391852BOX-001.4

Lower Band Edge – Path 3, Modulation: MCS9, Bandwidth: 160 MHz

Att 20 dB SWT 10 ms = DF "Starry Att"	VBW 3 MHz Mode Auto Sweep			Court 100/100
Frequency Sweep			- 37	1Frn Avg
			Ma	[1] -14,82 d8 36:983 056 4 0
0 d84				
dan				-
10 dBm		Summer and		1
20 dBm				
20 000				
30 dbm				
	and the second sec			
40. dBm				
SD dBre				
ati dêriv				
70 dBm				
		44,4 MH2/		Span 443.96 MH

09:42:26 AM 04/21/2023



Upper Band Edge - Path 3, Modulation: MCS9, Bandwidth: 160 MHz

09:37:25 AM 04/21/2023

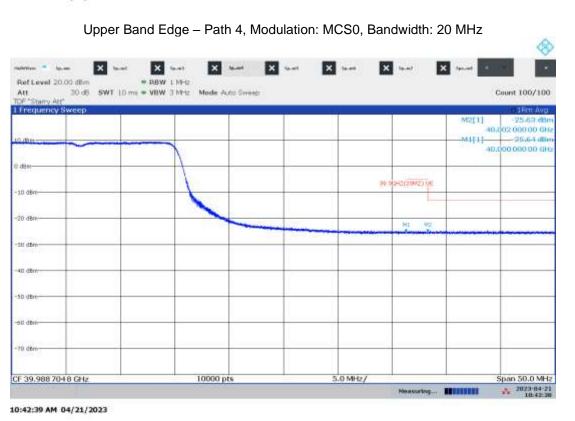
A

Report Number: 105391852BOX-001.4

Lower Band Edge - Path 4, Modulation: MCS0, Bandwidth: 20 MHz

Ref Level 20.00 dBm Att 30.65 SWT 10 ms OF "Starry Att"	VBW 3 MHz Mode Auto Sweep		Court 100/10
OF "Starry Att" Frequency Sweep			o Difference
Frequency sweep		N 14 W	M2[1] -26/25 dB
			37,000,000,0 (0
) den			M1[1] 26.08 dB
			35,398,000 0 6
dBm			
-			
10 dB+m-			
VGH2 (20MH2) (E			
0 dBm			
Inst T			
III dBm			
and a set of the set o			
U dEm			
D dBn			
sti dêriv			
tù dêm			
F 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MH

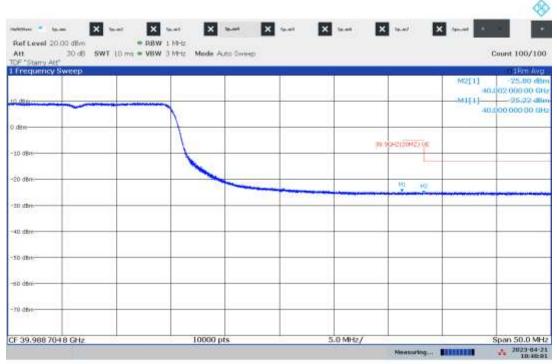
10:46:04 AM 04/21/2023



Lower Band Edge - Path 4, Modulation: MCS9, Bandwidth: 20 MHz

			40
national 🔹 la mar 🗙 la mart	X 4 X 4 X	14.41 X 14.41 X 14.41	X land A .
Ref Level 20.00 dEm           Att         30 d6         SWT 10 ms           TDF "Starry Att"	RBW 1 MHz     VBW 3 MHz     Mode Auto Sweep		Count 100/100
1 Frequency Sweep			M2[1] -26.54 dBm
			32,000,000,0,000
10 d8e			M&[1] -26,53 dBm 36,998 D00 0 GHz
0.42m			
-10 dBm			
37. VGH2 (20MH2) (#			
-20 dBm			
PINT Contraction of the second s			
-10 dBm			
-40 dBm			
-SD dBm			
-so dem-			
-70 dtm			
CF 37.09125 GHz	10000 pts	20.0 MHz/	Span 200.0 MHz
		Mesar	serieg 2023-04-21 10:35:24

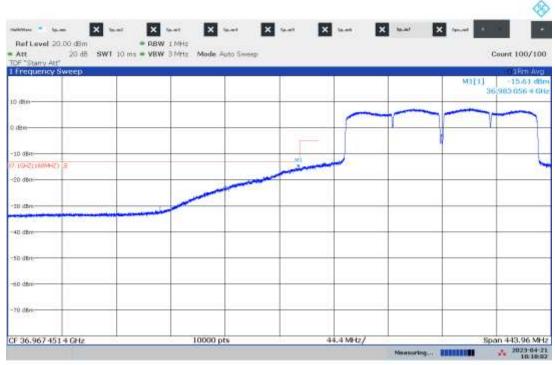
10:35:39 AM 04/21/2023



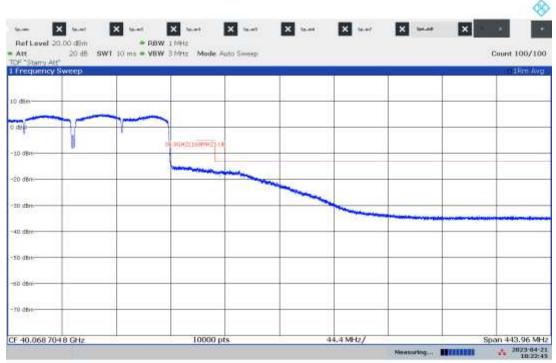
Upper Band Edge - Path 4, Modulation: MCS9, Bandwidth: 20 MHz

10:40:01 AM 04/21/2023

Lower Band Edge - Path 4, Modulation: MCS0, Bandwidth: 160 MHz



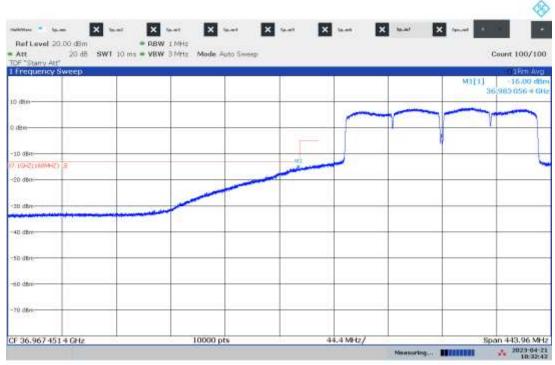
10:18:02 AM 04/21/2023



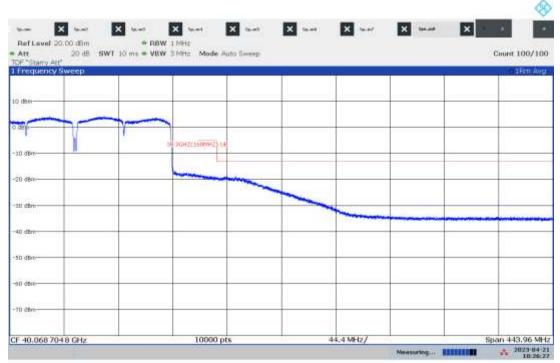
Upper Band Edge - Path 4, Modulation: MCS0, Bandwidth: 160 MHz

10:22:45 AM 04/21/2023

Lower Band Edge - Path 4, Modulation: MCS9, Bandwidth: 160 MHz



<sup>10:32:42</sup> AM 04/21/2023



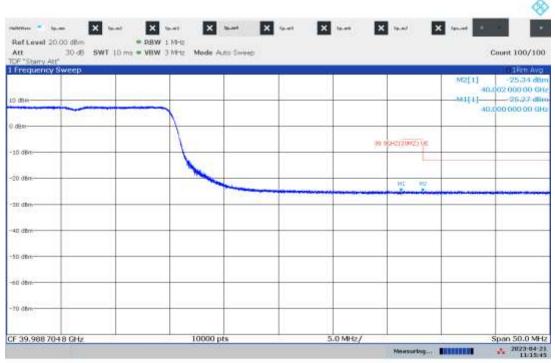
Upper Band Edge - Path 4, Modulation: MCS9, Bandwidth: 160 MHz

10:26:27 AM 04/21/2023

Lower Band Edge - Path 5, Modulation: MCS0, Bandwidth: 20 MHz

				-
national 🔹 la an 🗙 la ad	X Samt X Samt	X 14-01 X 14-00 X	1 mar X mar 1	
Ref Level 20.00 dEm           Att         30 d6         SWT 10 m           TOF "Starry Att"         30 d6         SWT 10 m	RBW 1 MHz     Mode Auto Sweep			Court 100/100
1 Frequency Sweep			·	11Fm Avg
			M2[1	1] -26,17 dBn 37,000 000 0 GH
10 d8e			Meta	26,52 alin 36,998 000 0 GH
0.02m				
-				
-10 dBm				
87. VGHZ (2004HZ) (E				
-20 dBm				
NH2 CT				
-III dBm-				
-40 dBm				-
-SD dBm				_
-so dam				_
-70 dbm				
CF 37.091 25 GHz	10000 pts	20.0 MHz/		Span 200.0 MHz
	00000000		Measuring	2023-04-21

11:19:55 AM 04/21/2023



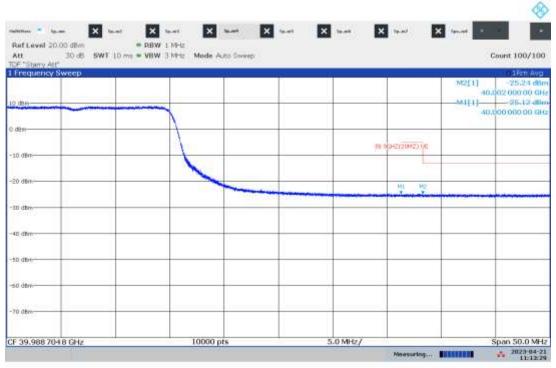
Upper Band Edge - Path 5, Modulation: MCS0, Bandwidth: 20 MHz

11:15:46 AM 04/21/2023

Lower Band Edge - Path 5, Modulation: MCS9, Bandwidth: 20 MHz

		5					0
nateria = la a			n 🗙 (a.a.)	X tana	× 14-40	× innet	
Ref Level 20.00 dBm Att 30 d5 5 TDF "Starry Att"	= RBW SWT 10 ms = VBW	/ 1 MHz / 3 MHz Mode Auto	Sweep				Count 100/100
1 Frequency Sweep			(i)	1/		M2[1	01Fm Avg 1 -26,47 dBm
		_		1		weth	37,000,000,0 GH
10 d8e						marte	35,998,000,0 GH
0 d9m							
-							
-10 dBm						di	
-20 dBm						1	
WHE						-	
-III dBm		40 0					-
-40 dBm-							
-50 dBm							
-où dem-					_		-
-70 dBm							_
05 03 004 05 004/		10002 - 1-		20.015	,		Co to 200 0 181
CF 37.091 25 GHz		10000 pts		20.0 MHz/			Span 200.0 MHz 2023-04-21 11:08:36
					101210002		11:DE-M

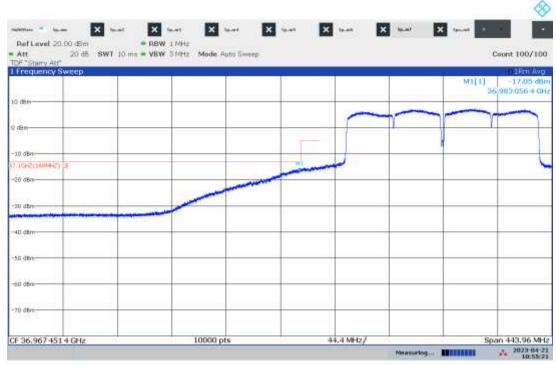
11:08:36 AM 04/21/2023



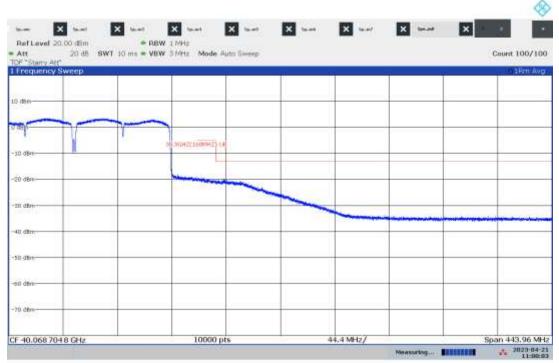
Upper Band Edge - Path 5, Modulation: MCS9, Bandwidth: 20 MHz

11:13:29 AM 04/21/2023

Lower Band Edge - Path 5, Modulation: MCS0, Bandwidth: 160 MHz



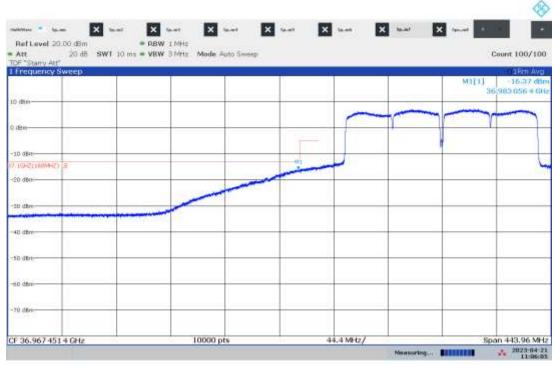
<sup>10:55:21</sup> AM 04/21/2023



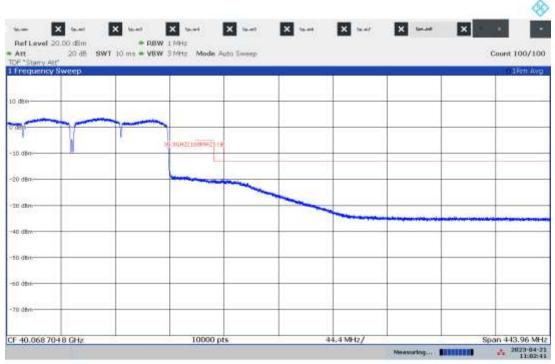
Upper Band Edge - Path 5, Modulation: MCS0, Bandwidth: 160 MHz

11:00:03 AM 04/21/2023

Lower Band Edge - Path 5, Modulation: MCS9, Bandwidth: 160 MHz



11:06:05 AM 04/21/2023



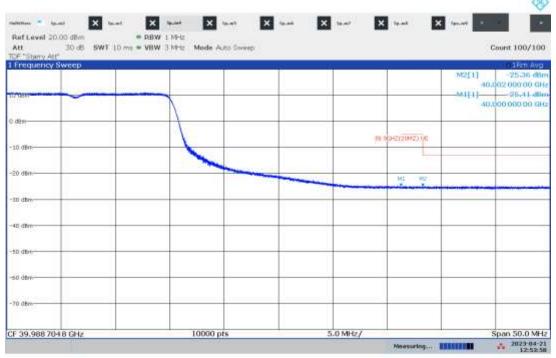
Upper Band Edge - Path 5, Modulation: MCS9, Bandwidth: 160 MHz

11:02:42 AM 04/21/2023

Lower Band Edge - Path 6, Modulation: MCS0, Bandwidth: 20 MHz

		5	,	,			1
	X Second	X tank X	(a.w) X (a.w	a 🗙 bear	X 19-10	X Imar	
Ref Level 20.00 dBm Att 30 d6							Count 100/100
TDF "Starry Att" 1 Frequency Sweep	20020 IN 1997	144	- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	12	11	10	O1Fm Avg
						M2[1]	-26/26 dBm
10 d8m			-			Mata	26.13 dBn 36.998 000 0 GH
0 dBm							Sector and a sector of
T.							
-10 (BH)						/	
-20 dBm	_					1	
MM2	anne <mark>n an an a</mark>						
-20 dBm-							
-40 dBm							
-5D dBm							
-où dêm							_
-70 dbm							_
CF 37.091 25 GHz	110	10000	pts	20.0 MHz	1		Span 200.0 MHz
					Measure		** 2023-04-21 12:01:05

01:01:05 PM 04/21/2023



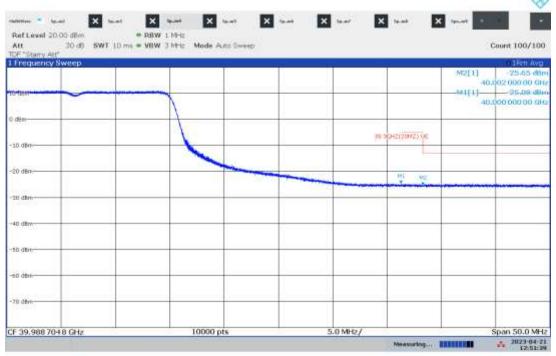
Upper Band Edge - Path 6, Modulation: MCS0, Bandwidth: 20 MHz

12:53:58 PM 04/21/2023

Lower Band Edge - Path 6, Modulation: MCS9, Bandwidth: 20 MHz

1949100 · 19400 X 1940	X X X	(a.e) X (a.e) X (	9-10 X 99-10
Ref Level 20.00 dBm	* RBW 1 MHz		Caunt 100/100
Att 30 d6 SWT 10 ms TDF "Starry Att" 1 Frequency Sweep	- The mode say smap		Count 1007 Not
a medianity sweep	T T		M2[1] -26.32 dBn
10 dte-			Milli 26-11 dBn 35,998 000 0 GH
0 dBm			260301000 111
-10 dBm			
17. VA-2 (20042) (E			
-20 dBm			
-III dBm			
-40 dBriv			
-SD dBro			
-oli dem			
-70 dêm			
CF 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MH
		3	Measuring 12:44:07

12:44:03 PM 04/21/2023



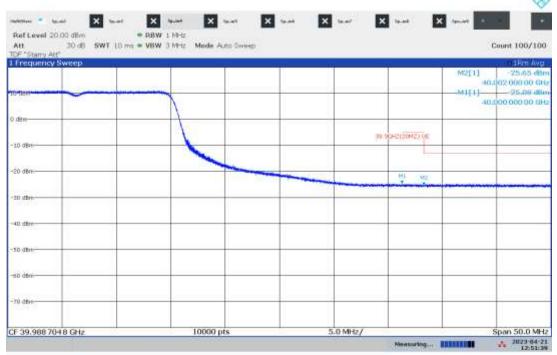
Upper Band Edge - Path 6, Modulation: MCS9, Bandwidth: 20 MHz

12:51:40 PM 04/21/2023

Lower Band Edge – Path 6, Modulation: MCS0, Bandwidth: 160 MHz

	X 9440 X 9441 X	(a.a.) X (a.a.) X (	- ar 🗙 (an an a
Ref Level 20.00 dBm           Att         30.d6         SWT 10 ms           TDF "Starry Att"	RBW 1 MHz     WBW 3 MHz     Mode Auto Sweep		Count 100/100
1 Frequency Sweep		W	M2[1] -26-32-d8m
10 (86)			M1[1] 26-11 din
0.42m			36,998,000,0 GH
-10 dBm			
-20 d8m			
-III dBry			
-40 dBm			
-50 dBriv			
-so dem-			
-70 dêm			
CF 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MHz
			leasuring

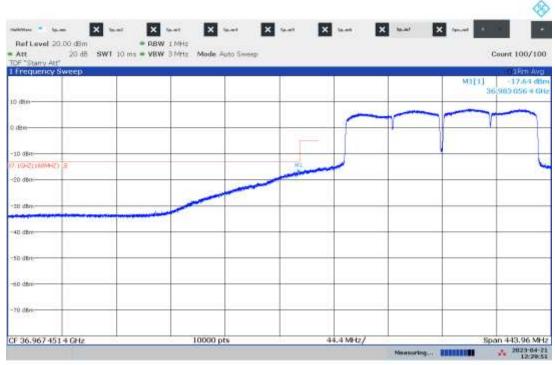
12:44:03 PM 04/21/2023



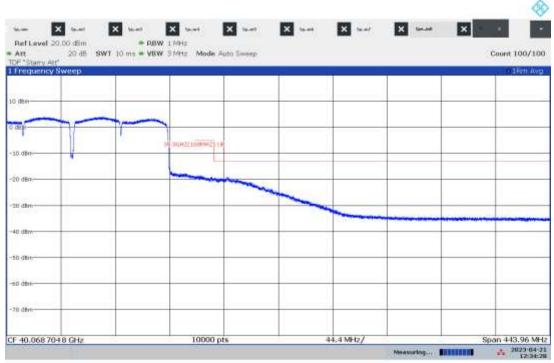
Upper Band Edge - Path 6, Modulation: MCS0, Bandwidth: 160 MHz

12:51:40 PM 04/21/2023

Lower Band Edge - Path 6, Modulation: MCS9, Bandwidth: 160 MHz



12:29:51 PM 04/21/2023



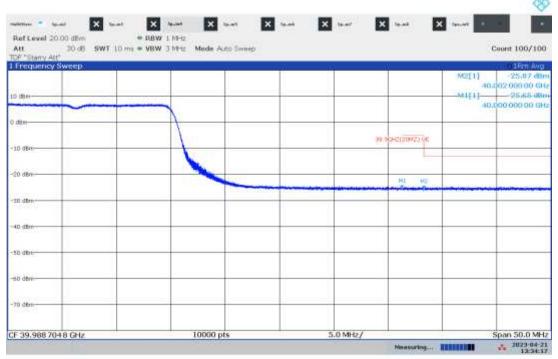
Upper Band Edge - Path 6, Modulation: MCS9, Bandwidth: 160 MHz

12:34:28 PM 04/21/2023

Lower Band Edge - Path 7, Modulation: MCS0, Bandwidth: 20 MHz

	_					3
naterior = land 🗙 tant	× •••• ×	(a.u) X (a.u)	X law	× 14-44		
Ref Level 20.00 dBm Att 30 d6 SWT 10 TDF "Starry Att"	PBW 1 MHz ma = VBW 3 MHz Mode A	uto Sweep			Count 100	2/100
1 Frequency Sweep			10		M2[1] -26.5	
					37,000,000	O CH
10 d8e					M3[1] -26.3 36,998.000	
0 dBm				_		
-10 dBm						
-20 dBm						1
Мир		Contraction of the second				0.0
-10 dbm						_
-40 dBm						_
-5D dBm						
-oo daw						_
-70 dêm				_		
CF 37.091 25 GHz	10000 (	ate .	20.0 MHz/	- 0	Span 200.0	0 MHz
Gr SAUSTES GAE	10000		2010 10127	Measuring	The second s	

01:39:52 PM 04/21/2023



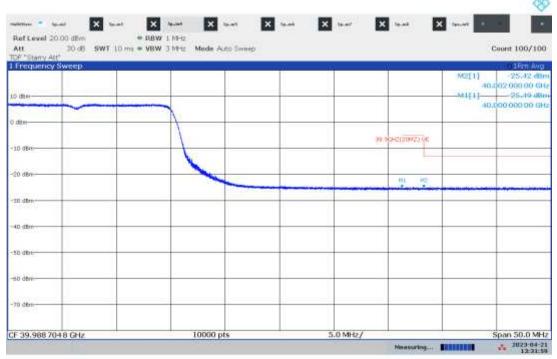
Upper Band Edge - Path 7, Modulation: MCS0, Bandwidth: 20 MHz

01:34:17 PM 04/21/2023

Lower Band Edge - Path 7, Modulation: MCS9, Bandwidth: 20 MHz

	U					-
	· X ···· X	lant 🗙 lant	X sear	X 19.44	anat a	
Ref Level 20.00 dBm           Att         30 d6         SWT 10           TDF "Starry Att"         30 d6         SWT 10	· RBW 1 MHz				c	ount 100/100
1 Frequency Sweep		W			M2[1]	-26.55 dBm
and the second						26,32 dim
10 d8e						-26,32 dBm 998 000 0 GHz
0.42m						
-						
- 10 dBm					1	-
37. 1GHZ (2004E2) (#						1
-20 d8m		+		- /		
HNT CONTRACTOR	The second second second second	- Constanting of the second	10000			
-10 dBm-						
-40 dBm						
-SD dBri				_		
-60 dbm				_		
-70 dêm				_		
CF 37.091 25 GHz	10000	pts	20.0 MHz/	0.0		an 200.0 MHz
				Measuring		A 2023-04-21 13:25:41

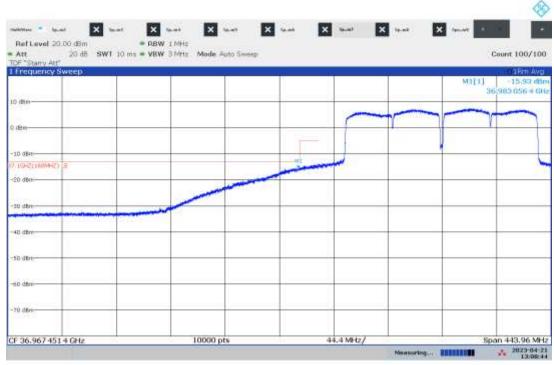
01:25:41 PM 04/21/2023



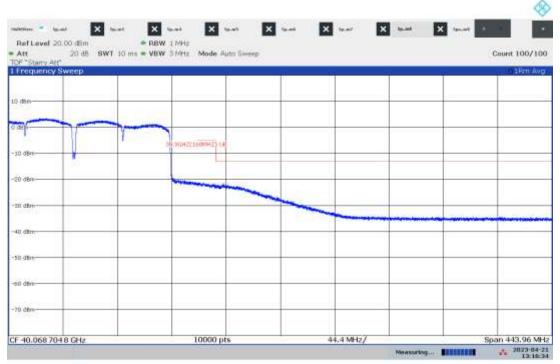
Upper Band Edge - Path 7, Modulation: MCS9, Bandwidth: 20 MHz

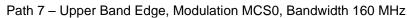
01:31:59 PM 04/21/2023

Lower Band Edge - Path 7, Modulation: MCS0, Bandwidth: 160 MHz



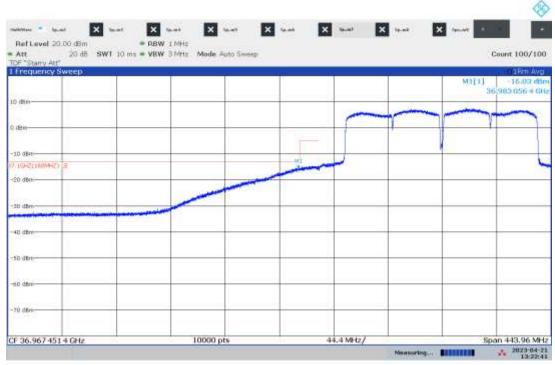
<sup>01:08:44</sup> PM 04/21/2023



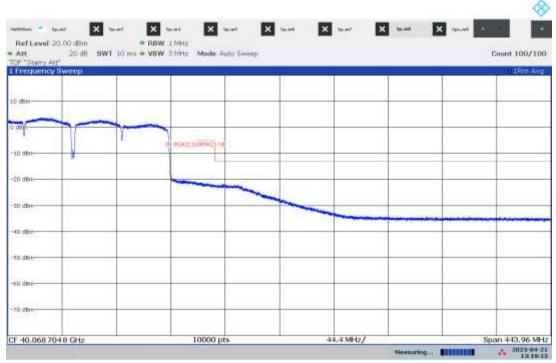


01:16:35 PM 04/21/2023

Lower Band Edge - Path 7, Modulation: MCS9, Bandwidth: 160 MHz



01:22:42 PM 04/21/2023



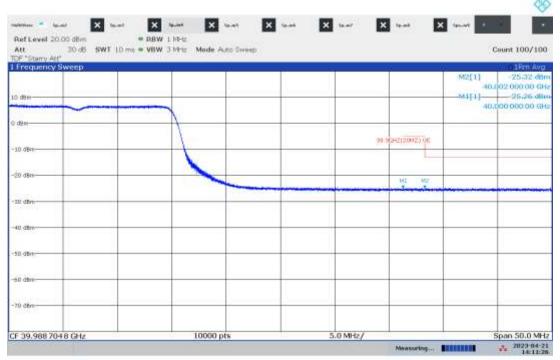
Upper Band Edge - Path 7, Modulation: MCS9, Bandwidth: 160 MHz

01:19:13 PM 04/21/2023

Lower Band Edge - Path 8, Modulation: MCS0, Bandwidth: 20 MHz

	_			-
	× •••• × •••• ×	94.44 X 94.47 X	land X farmer	
Ref Level 20.00 dBm	PBW 1 MHz     WBW 3 MHz     Mode Auto Sweet			Courst 100/100
TDF "Starry Att"	n = VBW 3 MHz Mode Auto Sweep			anaranging an an
1 Frequency Sweep		- W	M2[1]	
				22,000,000,0,004
10 dbm			MATT	26.27 dBm
1.29				366998-000-0 6442
0 dBm				
			1	10
-10 dBm				
87. VGHZ (20MHZ) (E				
-20 dBm				
HN2			Construction and a second second	
-111 dBm				
-40.dBm				
-50 dbn				
- 30 GB/F				
-oli dem-				-
-70 dem-				_
12220-01				
CF 37.091 25 GHz	10000 pts	20.0 MHz/		Span 200.0 MHz
CF 37.09125 GP2	10000 pts	20.0 1027	Measuring	
			Contraction and state	2023-04-21 14:15:14

02:15:14 PM 04/21/2023



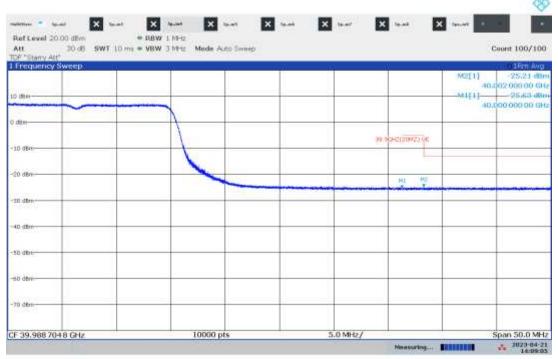
Upper Band Edge - Path 8, Modulation: MCS0, Bandwidth: 20 MHz

02:11:27 PM 04/21/2023

Lower Band Edge - Path 8, Modulation: MCS9, Bandwidth: 20 MHz

naterius = land 🗙 Sanst	X 10.01 X 10.01 X	1	9-10 × 40-10
Ref Level 20.00 dEm	* RBW 1 MHz		
TDF "Starry Att"	a = VBW 3 MHz Mode Auto Sweep		Count 100/100
1 Frequency Sweep			M2[1] -26.57 dan
1910 Y			37,000,000,0 GH
10 d8e			MITT 26.39 dbi 36,990 000 0 GH
0.42m			
-			
-10 dBm			
17. VGHZ (20MHZ) (E			
-20 d8m			
MH2 XC			
- III dBm			
40 dEm			
-5D dBm			
18-30-0			
-60 dbm			
-70 dem			
CF 37.091 25 GHz	10000 pts	20.0 MHz/	Span 200.0 MH
			Measuring 1111111

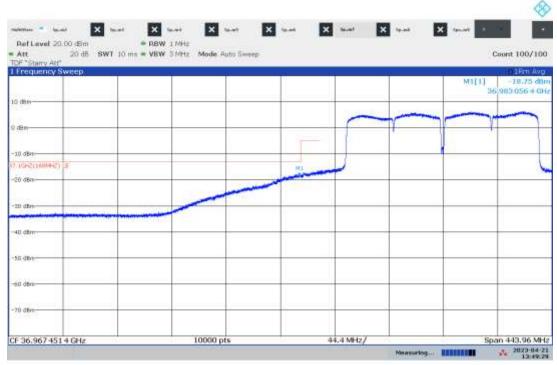
02:05:12 PM 04/21/2023



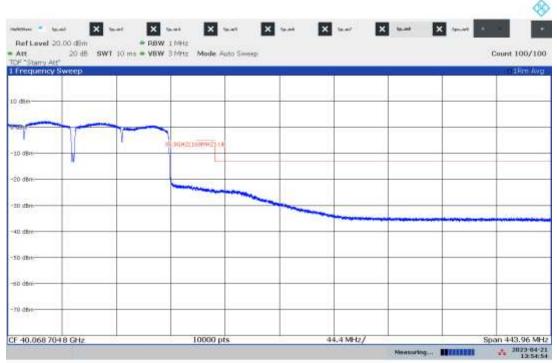
Upper Band Edge - Path 8, Modulation: MCS9, Bandwidth: 20 MHz

02:09:05 PM 04/21/2023

Lower Band Edge - Path 8, Modulation: MCS0, Bandwidth: 160 MHz



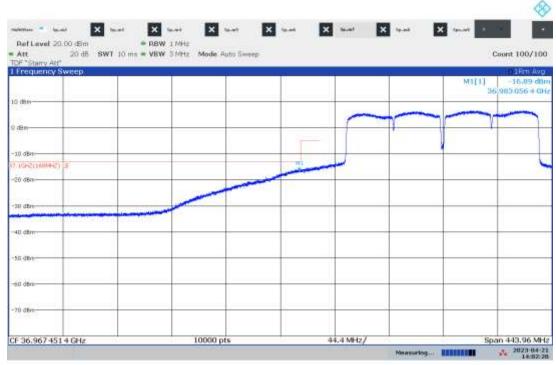
01:49:30 PM 04/21/2023



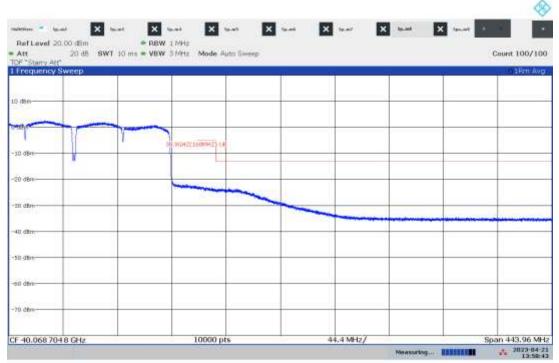
Upper Band Edge - Path 8, Modulation: MCS0, Bandwidth: 160 MHz

01:54:55 PM 04/21/2023

Lower Band Edge - Path 8, Modulation: MCS0, Bandwidth: 160 MHz



<sup>02:02:20</sup> PM 04/21/2023



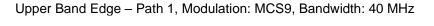
Upper Band Edge - Path 8, Modulation: MCS9, Bandwidth: 160 MHz

01:58:43 PM 04/21/2023

# Lower Band Edge - Path 1, Modulation: MCS0, Bandwidth: 40 MHz

	X Spectrum 2 X			
Att. 20 dB SWT 10 r	RBW 1 MHz     RBW 3 MHz     Mode Auto Sw	wep	Count 100/	100 7799 7
DF "Starry Att" Frequency Sweep		()	, oikm	
			M1[1] -35.80 37.000.000 0	
2 (854)			-	These To
den				Heat
		-		Lines 3
10 dêm				Harker
VSH2 (HUNHZ) LE				market s
20 dBm				Parker P
2U džm			/	thesis (
		-		100
4D dBm				Antes
5D dBm				rie a
				문민 (
ill dBm				Grig a Par -dillos V di
rù den-				1100 JUS 11
				Perset

09:09:10 AM 08/03/2023



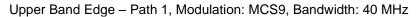
Ref Level 20.00 dBm	<ul> <li>RBW 1 MHz</li> <li>0 mz = VBW 3 MHz</li> <li>Mode Auto Swa</li> </ul>		Count 100/10		3010
DF "Starry Att" Frequency Sweep		##10	oilmin	Anat. /	Auto
	1		M1[1] -35.44 dt	111	Smee
0.450				Trace	Triege
d8m				Heat	21tian Loofi
(NOL)		-		Lines	Digut Digut
10 dBm				Harker	Peak
20 dBm				Narker	marke
				thesis	And
10 dBm					7.00
40 dBm				Antes	Peter
SD dBm				rie	Hat
				8HI	Ú.
dam-				GR2 8 -dile V	Paite a diama
70 dêm				AHD IN	114. 48. 1
					Sec.

09:13:53 AM 08/03/2023

Upper Band Edge - Path 1, Modulation: MCS0, Bandwidth: 40 MHz

lultiView * Spectrum 🛛 🗙 Ref Level 20.00 dSm	# RBW 1 MHz	spectrum 3 Spectrum 4	×	. Presi	3040
Att 20 dB SWT 10 m OF "Starry Att"	nt = VBW 3 MHz Mode Az	to Sweep	Count 100/100	Angt. / Scale	Auto
Frequency Sweep			M1[1] 4.69 d8m 39.972 800.00 GHz		Same
diter			031312 00700 012	Trice.	Tries
20				Heat	17this Could
		08.0GH2(#0H2) (/E :		Lines	Digo Ditta
) dBm				Harker	
) dBm				Norker	nat
				thesis	-
u dba	and the support of th	The state of the s		and the second	12
) dBm				Antes	Pri
dBre				rie	Hat
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			M1[1] 5.19 dBm 39.972 800 00 GHz	-	Sec
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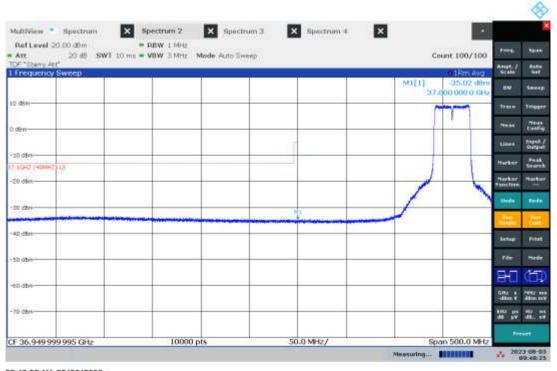
09:38:23 AM 08/03/2023

**Test Set Photos** 

Lower Band Edge - Path 2, Modulation: MCS0, Bandwidth: 40 MHz

	Spectrum 2 X Spect	rum 3 🗙 Spectrum 4	× ·		
Ref Level 20.00 dBm Att 20 dB SWT 10 m DF "Starry Att"	= RBW 1 MHz = VBW 3 MHz Mode Auto S	weekp-	Count 100/100	( <b>Pres</b> )	300
DF "Starry Atf" Trequency Sweep	116 IV	and and an	ikm wa	Angt./ Scale	Aut
			M1[1] -35.09 dBm 37.000 000 0 GH		Sect
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VGH2 (HUMH2) LE				Nerker	Sea
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N ODIN				48 14	46

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Upper Band Edge - Path 2, Modulation: MCS0, Bandwidth: 40 MHz

lultiView Spectrum Ref Level 20.00 dBm	# RBW 1 MHz	poctrum 3 X Spectrum 4	×	· Presi-	3000
Att 20 dB SWT 2F "Stany Att" Energiancy Sweep	10 ms = VBW 3 MHz Mode Aut	D Sweep	Count 100/100	Anipt. / Scale	Auto
			M1[1] 7,72 dBm 39,972 800 00 GHz		Smee
0.0561			03/07/07/07/07/07/07	Trace	Tries
42m				Heat	21th Cont
		08:00H2(40H2) VE : ]		Lines -	Inger Switz
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0 dBm				Narker	-
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D dBm				- Bertage	Pri
D d8m				rie :	Her
				8HI	(†
0 dbre				GHz II -dite V	hatte ditere
				st support and	
10 d8m	10000 pts	5.0 MHz/	Span 50.0 MHz	-dites ¥ dite ys dite yv	i

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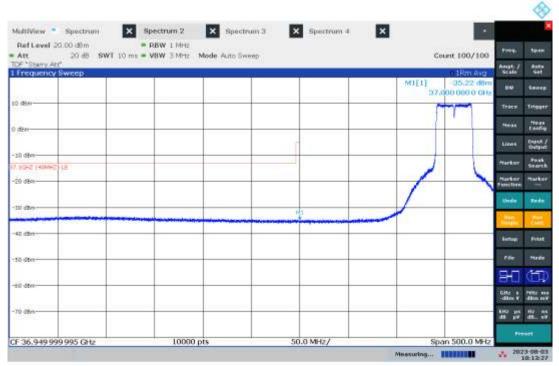
Ref Level 20.00 dBm	= DRW 1 MHz	spectrum 3 X Spectrum 4	Count 100/100	Pres.	301
Att 20.66 SW F "Stany Att" Tequency Sweep			- Olimikar	Anept. / Scale	A.4
and hereing a subscript of			M1[1] 7,54 d8m 39,972 800 00 GHz	inter (	-
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Lower Band Edge - Path 3, Modulation: MCS0, Bandwidth: 40 MHz

lultiView • Spectrum		trum 3 🔀 Spectrum 4	×	-
Ref Level 20.00 dBm Att 20 dB SWT 10 m	= RBW 1 MHz ms = VBW 3 MHz Mode Auto 5	interp.	Count 100/1	00 77991 300
DF "Starry Att" Frequency Sweep			a Brite	Anipt / Ani Scale Se
			M1[1] -35.16 d 37.000 000 0	
2.456				Trace Trig
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36.949 999 995 GHz	10000 pts	50.0 MHz/	Span 500.0 M	Preset

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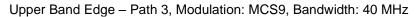


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Upper Band Edge - Path 3, Modulation: MCS0, Bandwidth: 40 MHz

# RBW 1 MHz		ectrum 4	-		Free	300
to me = vew 3 MHz Mode A	ato Sweep		0	anarata a sa	Anipt./	Auto
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					GHz s -dites V	haite diter
	# RBW 1 MHz	PBW 1 MHz     IO ms = VBW 3 MHz     Mode Auto Sweep      pe.ogez(w)MZ) (VE	RBW 1 MHz     IO ms = VBW 3 MHz     Mode Auto Sweep      Personal of the second s	RBW 1 NHU     IO ms = V8W 3 MHz Mode Auto Sweep CA     M1[1]     39.9     Auto Sweep     Ca     Auto Sweep     Ca	* RBW 1 MHz         Count 100/100           10 ms = VBW 3 MHz         Mode Auto Sweep         0812m Adv2           0 ms = VBW 3 MHz         0812m Adv2         0812m Adv2           1         2,74 dtm 39.922 800.00 GHz         011[1]         2,74 dtm 39.922 800.00 GHz           1         1         1         1         1           1         1         1         1         1           1         1         1         1         1	* RBW 1 MHz         Count 5 meep         Count 100/100         Mathematical Second Se

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RefLevel 20.00 dBm Att. 20 dB SWT	RBW 1 MHz     Not     State     Mod	e Auto Sweep	The second card	×	ount 100/100	Pres.	301
Att 20 dB SWT # "Starry Att" Inequency Sweep						Anopt. / Scale	A
AND DESIGN OF THE OWNER OF				M1[1] 39.6	2,43 d8m		Sec
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net						Heat	-210 100
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	and the second s					Martin .	12
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0 dBm						Grig a -dan V	inite direct
d8m-					-	1107 115 1107 115	

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Lower Band Edge - Path 4, Modulation: MCS0, Bandwidth: 40 MHz

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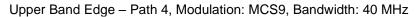
Lower Band Edge - Path 4, Modulation: MCS9, Bandwidth: 40 MHz

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Upper Band Edge - Path 4, Modulation: MCS0, Bandwidth: 40 MHz

# RBW 1 MHz		apectrum 4			Free	1000
to me = Velw 3 MHz Mode	Auto Sweep		c		Anapt. /	Auto
l l			M1[1] 39.0	4,19 d8m		Same
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					Heat	-2000 Conf
	08:0GH2(40M2)	VE			Lines	New Outp
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					-dites V	and the second second
	# RBW 1 MHz	= RBW 1 MHz 10 ms = VBW 3 MHz Mode Auto Sweep	= RBW 1 MHz	RBW 1 MHz     Hode Auto Sweep     C     M1[1]     39.5	RBW 1 MHz IO ms = V8W 3 MHz Mode Auto Sweep Count 100/100      0912mA002      0912mA002      0912mA002      0912mA002      0912mA002      0912mA002      0912mA002      0012mA002      0012mA00      0012mA00	* RBW 1 MHz         Count 5 weep         1000000000000000000000000000000000000

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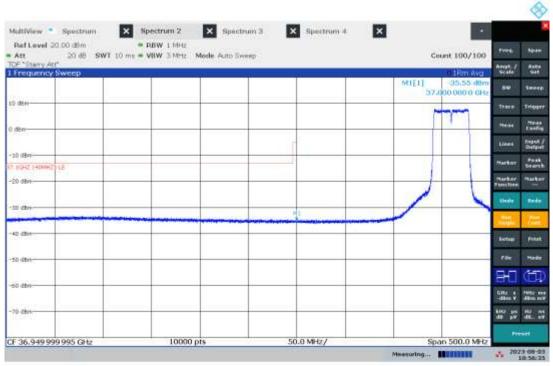
tef Level 20.00 dBm Att. 20 dB SW	= DBW 1 MHz	Spectrum 3	× Spectrum 4	×	ount 100/100	Pres.	301
F*Starry Att* requency Sweep	VT 10 mt = VBW 3 MHz M				win (Brieflage)	Anipt. / Scale	A.c.
				M1[1] 39.9	5.03 d8m	84	See
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20						Heat	-210 100
		08.9GHZ(404	(Z) VE			Lines -	
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						and shall be addressed	## #8.

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Lower Band Edge - Path 5, Modulation: MCS0, Bandwidth: 40 MHz

AultiView * Spectrum		ectrum 3 🗙 Spectrum 4	×	-
RefLevel 20.00 dBm Att 20 dB SWT 10 n	RBW 1 MHz ns = VBW 3 MHz Mode Auto	Sweep	Count 100/	100 77991 30
DF "Starry Att" Frequency Sweep			. other i	Anipt / Au Scale St
			M1[1] -35.33 37.000 000 0	dilm and and
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				Preset

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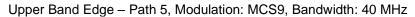


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Upper Band Edge - Path 5, Modulation: MCS0, Bandwidth: 40 MHz

tiView 🍨 Spectrum If Level 29.00 dBm	# RBW 1 MHz		ectrum 4 🛛 💽	-		. Presi	2011
"Starry Att"	10 ms = VBW 3 MHz Mode	• Auto Sweep		c	ount 100/100	Angt. / Scale	Auto
equency Sweep	(II) (II)			M1[1]	3.44 dBm 972 800 00 GHz		Same
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		38.9GH2(40M2) VE :				Lines	Dige Outp
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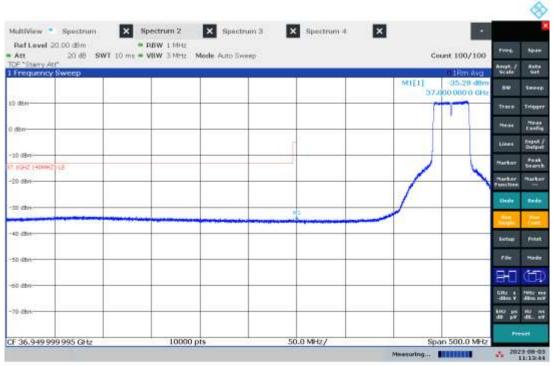
# RBW 1 MHz			Pres.	300
			Anipt. / Scale	Aut
		M1[1] 3.22 dBm	and a little	Sec
			Trice	Trie
			Heat	-210 100
	88.9GH2(40M2) (/E		Lines	fige Shit
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and the factor of the state of			and the second	12
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			rie :	
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			GH2 8 -dilm V	inite diter
			and shake a strength	н. di.,
	# RBW 1 MHz	RBW 1 MHz 10 ms = VBW 3 MHz     Mode Auto Sweep		* RBW 1 MHz         Mode: Asto Sweep         Count 100/100         Milling         Mill

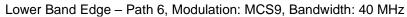
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Lower Band Edge - Path 6, Modulation: MCS0, Bandwidth: 40 MHz

lultiView 🔹 Spectrum 🔹 隆		ctrum 3 🗙 Spectrum 4	×	2
Ref Level 20:00 dBm Att. 20 dB SWT 10 DF "Starry Att"	RBW 1 MHz ms = VBW 3 MHz Mode Auto1	Sweep	Count 85/10	00 Pres 30
OF "Starry Att" Frequency Sweep		Alterativ Alterativ		Anipt / Au Scale Se
			M1[1] -35,76 d 37,000,000,0 d	0m
2 (854)			- milerary	Trace. Tris
den			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Neas 210
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VGH2 (HUMH2)/LE				See
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rû dêm				da py da.
36.949999995 GHz	10000 pts	50.0 MHz/	Span 500.0 M	Preset

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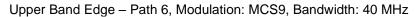


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Upper Band Edge - Path 6, Modulation: MCS0, Bandwidth: 40 MHz

NultiView • Spectrum	# RBW 1 MHz	pectrum 3 X Spectrum 4	×	Pres.	3000
Att 20.68 SWT 10 ( 26 "Starry Att" Energiency Sweep	ms = VBW 3 MHz Mode Az	to Sweep	Count 100/100	Anopt. / Scale	Auto
rrequency sweep			M1[1] 5.68 dBm 39.972 800 00 GHz	and a	Smee
2 (854)			03332 00700 0412	Trace	Tries
den				Heat	-2100 Cost
10		08.0GH2(40HZ) VE :		Lines	Dige Shite
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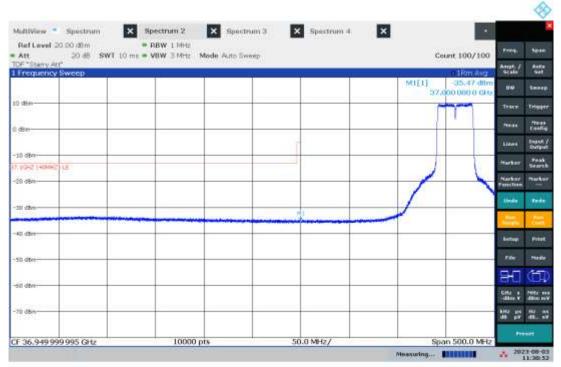
Ref Level 29.00 dBm	= DBW 1 MHz	Spectrum 3	X Spectrum 4	X	t 100/100	304
Att 20.68 SWT 2° Stany Atf Incipancy Sweep				AUDIS	1Rm Avg	A
				M1[1]	5.87 dBm	Sec
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Lower Band Edge - Path 7, Modulation: MCS0, Bandwidth: 40 MHz

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- 10 dBm			Lines.	Peak
17. 1/342 (40042) LE -20 dBm			Harker	Search
-30 dbn			Under	Reda
-4D dBet			Antage .	Print
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-50 dêre	 			
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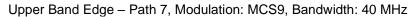


11:30:52 AM 08/03/2023

Upper Band Edge - Path 7, Modulation: MCS0, Bandwidth: 40 MHz

fultiView * Spectrum X Ref Level 20.00 dBm	# RBW 1 MHz	pectrum 3 Spectrum 4		( Pres.)	30.00
Att 20 d8 SWT 10 m OF "Starry Att" Energy Sweeps	ns = VBW 3 MHz Mode Aut	D Sweep	Count 100/100	Anipt. / Scale	Auto
rrequency sweep			M1[1] 2.52 dBm 39.972 800 00 GHz		Same
2.0561			0.000 000 000	Trace	Triege
den				Heat	21th a
•		IN OCHZ(WOMZ) VE :		Lines	Digo Shifp
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F 39,997 8 GHz	10000 pts	5.0 MHz/	Span 50.0 MHz		1

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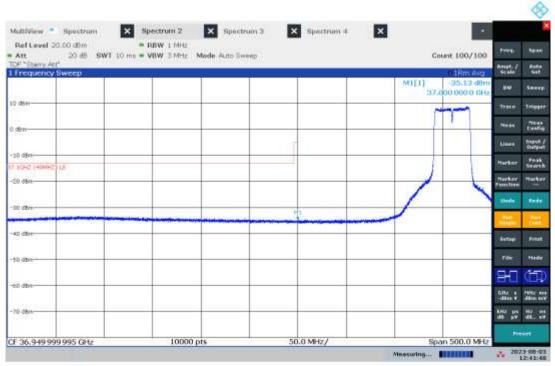
Art. 20.08 SWT	RBW 1 MHz	Spectrum 3 Auto Sweep	X Spectrum 4	×	unt 100/100	Pres.	301
Att. 20.68 SWT F "Starry Att" requercy Sweep	to me a very since made	Hoto sheep			n Hemologie	Angt. / Scale	A 44
1 CADELICY CALLED	1			M1[1] 39.9	2,70 d8m		-
4541						Trace.	Trie
20						Heat	210
N		DB:0GHZ(HOMZ)	VVE :			Lines	
dêm					-	Harker	
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l dBm						Antrep	Pr
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Lower Band Edge - Path 8, Modulation: MCS0, Bandwidth: 40 MHz

MultiView • Spectrum	Spectrum 2 X Spectr	um 3 🗙 Spectrum 4	×		8
Ref Level 20.00 d9m Att. 20 d8 SWT 10 m	= RBW 1 MHz		Count 100/1	00 Pres	3000
DF "Stany Att" Frequency Sweep		2010 W	w weithow	Anist /	Auto Set
			M1[1] -35.53 d 37.000 000 0	And Intelligence	Smeet
Q 4841				Trace	Triege
den-				Heat	Theas Losting
				Lines	Digut Shitpe
10 dBm				Harker	Peak
7. VGHZ (HOMHZ) LE					Search
20 dBm				Harker Fundim	marke
10 dbm				Under	Rede
	19-11-11-11-11-11-11-11-11-11-11-11-11-1	www.www.ueur.hes.es.es.es.es.es.es.es		and the second	- Zuin
40 dBm				Antres	Print
SD d8m				r le	Hatty
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oli dêre				and the second second	Patte to disco re
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				Pers	No.
F 36.949 999 995 GHz	10000 pts	50.0 MHz/	Span 500.0 M	H2	

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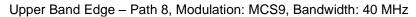
Lower Band Edge - Path 8, Modulation: MCS9, Bandwidth: 40 MHz

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Upper Band Edge - Path 8, Modulation: MCS0, Bandwidth: 40 MHz

# RBW 1 MHz		X Spectrum 4	×	ount 100/100	(Pires)	5p.0
	Halo sheep	- M-		on a clean and	Angt. / Scale	Auto
			M1[1]	1.80 dBm	84	Same
				-	Trace	Tries
					Heat	2000 Cont
	08.00H2(H0H2)	VE :			Lines	Diga Diga
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					100 JUS	112
		mt = VBW 3 Mrtz Mode Auto Sweep		mt = VBW 3 MHz Mode Auto Sweep C	mt = VBW 3 MHz Mode Auto Sweep Count 100/100	mit = VBW 3 Mrtz       Mode Auto Sweep       Count 100/100       Mathematical Sweep       Mathematical Sweep<

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RBW 1 MHz		X Spectrum 4	×		Free	304
IT S ADM S HER. Husde i	euto anteng			RUNALE COLOR	Angt. /	Aut
T. T			M1[1] 393	1.64 d8m		Sec
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					Heat	200
	08.0GH2(40M2)	VE			Lines	Dige Dist
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					H	Ċ
					GH2 8 -dilm V	inite ditere
					and shares and shares of	## 45
	PBW 1 MHz     Mode	Mode Auto Sweep	PBW 1 MH2     Mode Auto Sweep	Mile         Mode Auto Sweep         Mile           Mile         Mile         Mile         39.0	Mode Auto Sweep         Count 100/100           091200000000000000000000000000000000000	Image: VBW 3 MHz       Mode Auto Sweep       Count 100/100       Market         Image: VBW 3 MHz       Mode Auto Sweep       Image: VBW 3 MHz       Image: VBW 3 MHz

12:49:07 PM 08/03/2023

Lower Band Edge - Path 1, Modulation: MCS0, Bandwidth: 80 MHz

lultiView * Spectrum	10.9590000000000000000000000000000000000	ectrum 3 🛛 🗙	Spectrum 4	×	94 (	
Att. 20.06 SWT 10	RBW 1 MHz ms = VBW 3 MHz Mode Auto	Sweep		Count 65/1	00	304
OF "Starry Att" Frequency Sweep		PARONENTO	5	w other	Anipt. / Scale	Auto
				M1[1] -35.57 d 37.000 000 0	in the second	Same
2.056					Trace	Tries
d2m					Meas	17tela Lossi
					Lines	Tree of
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20 dBm		_			Harker	740
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0 dBm					Bertran .	Pri
D d8m					The	Her
					⊒+∏	đ
0 dbre					GHz s	tette diter
rû dêm					Alto pr	
052940						tart .

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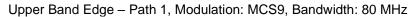


Lower Band Edge - Path 1, Modulation: MCS9, Bandwidth: 80 MHz

Upper Band Edge - Path 1, Modulation: MCS0, Bandwidth: 80 MHz

		ectrum 3 🗙 Spectrum 4	× ·		
Ref Level 20.00 dBm Att 20 dB SWT IDF "Starry Att"	* RBW 1 MHz 10 ms * VBW 3 MHz Mode Auto	Sweep	Count 100/100	(Press)	Apres
IDF "Starry Att" I Frequency Sweep			1Pm Ava	Anipt / Scale	Auto Set
			M1[1] 1.52 dBm 39.972 800 00 GHz		Smeen
10-056				Thise.	Trieger
den .				Heat	tasfig
		19/9GH2(00MH2) UE		Lines	Digit / Distant
-10 dBm				Harker	Peak Search
-20 dBm				Harker Fundim	marker
30 dbe	Colorado en la colora			Under	
10 GEN					22
40 dBm				-	Print
SD dBm				rie.	Hada
				BH1	(TI)
60 dêre				GHz s	fille in
70 dêre-				110 115 100 115	
					niet

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= RBW 1 MHz 10 mg = VBW 3 MHz Mod	e Auto Sweep		Cour	t 100/100	3011
WI (*				1 1Rm Avg Angt Z	Auto
			M1[1] 39.972	0.97 dBm 800 00 GHz	Same
				Trace	Triss
				Heat	17tes East
	19 9642(0044	2) 1/6		Lines.	Digo Outp
				Harksr	- Pea Sear
				thesis	
	and the second sec	warden fan gener gener		dingi.	12
				Antage	Pri
				180	Hat
				8-0	
				GHz s -dites V	Patter ditte
	10 ms = V8W 1 Mrt Mod	10 ms = VIIW 3 MHz Mode Auto Sweep	10 ms = VBW 3 MHz Mode Auto Sweep	10 ms = VBW 3 Mitz Mode Auto Sweep Court 10 ms = VBW 3 Mitz Mode Auto Sweep Court 10 0040(000442) 00 10 00 1	10 ms = VBW 3 MHz         Mode Auto Sweep         Count 100/100         Mature           0 ms         milling         0.97 dBm         00           39.972 800 00 GHz         milling         0.97 dBm         00           10 ms         10 ms         10 ms         10 ms         10 ms           10 ms         10 ms         10 ms         10 ms         10 ms         10 ms           10 ms

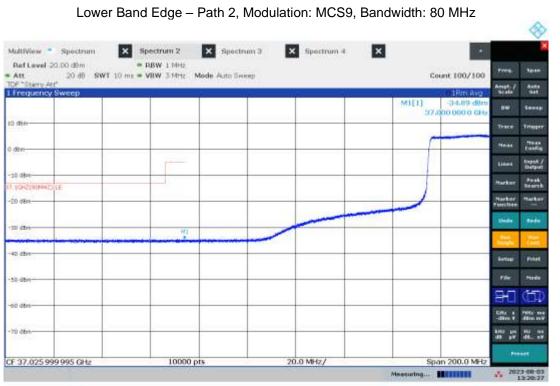
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Lower Band Edge - Path 2, Modulation: MCS0, Bandwidth: 80 MHz

	RBW 1 MHz	× Spectru	m 3 🛛 🗙	Spectrum 4	×				-
Att 20 dB SWT 1 OF "Starry Att"	0 ms = VBW 3 MHz N	tode Auto Swee	ip .			Co	unt 100/100	1000	300
Frequency Sweep		K (1	1	0 0	1		- SRm Avg	Anipt-/ Scale	Auto
						M1[1] 374	-35,13 d8m		See
2 (86)								Trice.	Tries
d9m						5		Heat	-7100 E 000
dent.	t					14.1		Lines .	Digo Ditta
10 dêm								Harker	Per See
VGHZIRINHZI LE								Herker	140
						-		Party lines	
III dBm	41		-	and a statement of the					100
D dEm	en maije e ymerodenia vijeri Marenie			-				Corps.	100
201000								Antes	Pa
D dBm								rite	Hat
0 dbm								BHD	đ
								GH2 # -diltes ¥	Paits ditte
ú dên-								de pv	112. 45.
37.025 999 995 GHz	10000 p			.0 MHz/			m 200.0 MHz	. Pri	-

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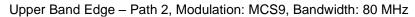


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Upper Band Edge - Path 2, Modulation: MCS0, Bandwidth: 80 MHz

Level 29.00 dBm 20 dB SW1	# RBW 1 MHz	X Spectrum 3 X S	pectrum 4	-	sunt 100/100	Pres.	100
Starry Att quency Sweep			- 46	1	n o iProdvorel	Angt./	Auto
				MI[1]	3,49 d0m 72 000 00 GHz		Sect
0						Trace	Tries
						Heat	210 100
		19(9GH2(00MH2) UE				Lines	DigA DigA
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Ern	19.17			_	-	Narker	mail
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Set.						rie .	. 160
20.77						8-0	Ċ
Bri -						GHz s -dites V	hatte diter
						and states of the second	112 45

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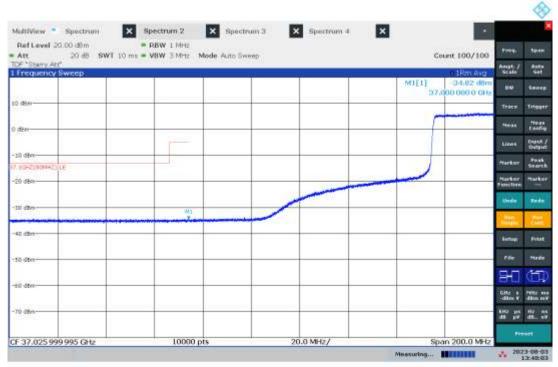
Ref Level 20.00 dBm Att 20.08 SWT	= DRW 1 MHz	Spectrum 3 X Spectru	um 4 🗙 Cour	t 100/100	3010
Att 20.68 SWT 2F "Starry Att" Frequency Sweep			Saraw	1Rm Avg Scale	Auto
			M1[1]	3.80 dBm ew	Same
2.056					Tries
dên				Near	the state
		19(9GH2X009H42) UE		Lines	Nev Svip
0 dêm				Harker	- See
0 dBm				Harker Punction	mail
III dbre		-		Management Hinda	
1994.001				- Starten	i Ca
40 dBm				Kettage	Prin
D dBm				The -	Hat
i0 dže				BHD	đ
20 004				Griz a -dilas V	faite direct
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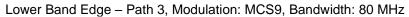
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Lower Band Edge - Path 3, Modulation: MCS0, Bandwidth: 80 MHz

Ref Level 20.00 dBm	I PORDAY AND A	Spectrum 3	X Spectrum 4	×		unt 100/100	Free	100
DF "Starry Art"	mil = Alter Shirls (wash	e euro seeep		- 10	CO	n Hemology	Angt./	Auto
The spectra searce of the searce of the spectra searce of the searce of	1				MIE1]	-35.61 d8m		Same
0.086			_			000000042	Trice.	Tries
					5		Heat	200
dem					3.44		Lines	tool figu
10 dêm					-		Harker	Pea Sear
VSH2090MHZ3 LE				112-24	1		Herker	Sear
20 dBm			-				Function	144
SU dBre			-				Under	
	241						Martin Stategian	172
4D dBm							-	Prin
5D dBm							rie .	Het
							B-FT	đ
aD dêm							GH2 I -dim V	heite dim
70 dêm							100 HS	
100000							de hv	dia

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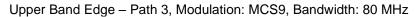


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Upper Band Edge - Path 3, Modulation: MCS0, Bandwidth: 80 MHz

	N 1 MHz	X Spectrum 4	×		Pres.	30.00
20.68 SWT 10 ms = V8V	V 3 MHz Mode Auto Sweep			o Hemologie	Angt /	Auto
5465CB			M1[1]	-1.05 dBm		Same
					Trace	Tries
					Heat	-tea tast
	19,9640(00	HH2) VE			Lines -	Nev Svip
					Harkse	
			_	_	Narker	mart
					Under	
	**************************************				111	12
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					8-0	đ
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					GH2 II -dilm V	inter direct

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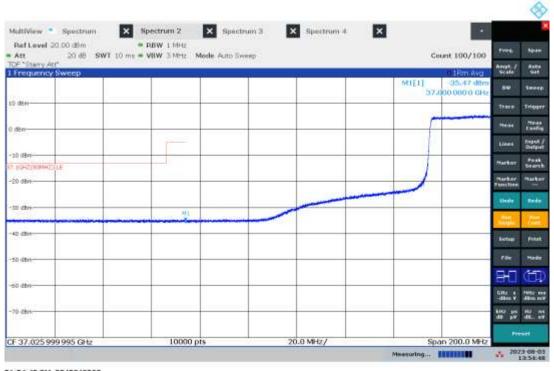
ultiView Spectrum Ref Level 20.00 dBm Att. 20 dB SW	= DRW 1 MHz	Spectrum 3 Spectrum 4	Count 100/100	Pres	301
Att. 20.68 SW F "Starry Att" requency Sweep			- Olimikar	Anipt./	A.4
Child Internal Construction			M1[1] -1,19 d8m 39.972 800 00 GHz		See
distr				Thise.	Trie
Brunner				Heat	200
$\gamma$		19/9GH2(00MH2) UE		Lines	Dige Out
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				GH2 B	inite ditte
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Lower Band Edge - Path 4, Modulation: MCS0, Bandwidth: 80 MHz

	A REAL PROPERTY AND A REAL PROPERTY.		× Spectrum 4	×				
Ref Level 20.00 dSm Att 20 dB SWT DF "Starry Att"	BBW 1 MHz 10 mg = VBW 3 MHz Mode	Auto Sweep			Co	unt 100/100	( <b>1996</b> )	3010
DF "Starry Att" Frequency Sweep	10 W		- 10		-310	n 1Rm Avg	Angt. / Scale	Auto
				-141E		-34.92 d8m		Same
0.454							Trace	Triege
dem					0		Heat	-Million Constit
					1		Lines	Treve Switp
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20 dBm					1		Nacker	mark
							Under	-
10 džen	MI							7.2
40 dBm							-	Pris
5D dBm							tte	Her
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rù dêm							they have	
F 37.025 999 995 GHz	10000 pts		20.0 MHz/			m 200.0 MHz		-

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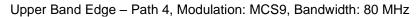


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Upper Band Edge - Path 4, Modulation: MCS0, Bandwidth: 80 MHz

MultiView • Spectrum		Spectrum 3 X Spectrum 4	× ·		
Ref Level 20.00 dBm Att 20 dB SWI IDF "Stary Att"	RBW 1 MHz     I0 ms = VBW 3 MHz     Mode A	ito Sweep	Count 100/100	(Press)	3000
DE "Starry Att" Frequency Sweep			· IPm Ave.	Anipt / Scale	Auto Set
			M1[1] 1.03 dBm 39.972 800 00 GHz		Smeet
0 1841				Thise.	Trigge
Dist.				Heat	Tanks
X		14/96H2(00MH2) VE		Lines	Digiti Distan
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20 dBm				Harker Function	marke
10 dbm				tinda	Anda
newen u				dingi.	- Com
4D dBm				-	Print
5D dBre				rie	Hatty
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70 d8m				10 15 15	
					-

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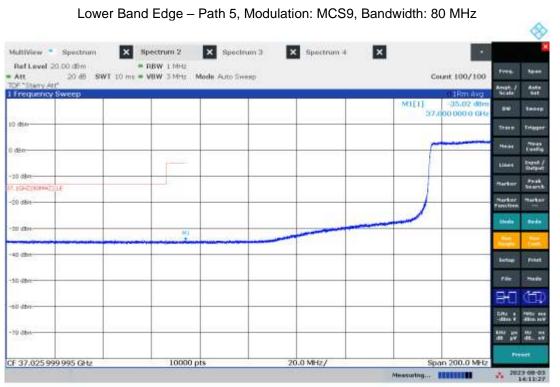
	Auto Sweep		e.,	ount 100/100	(Pres)	3011
10 me = VBW 3 MHz Mode	Perio antero	.405	100	enversione and	Angt. / Scale	Aut
	- I I		M1[1] 39.9	0.51 d8m	84	Smer
					Trace	Tries
					Heat	-710 100
	19/9640(00442) 05				Lines -	Dige Out
		_	_		Harker	.Per Sea
					Narker Fundim	-
1.0					Under	-
					-00	12
				-	Antag	Pri
					rie .	.94
					<b>9</b> -1	đ
					GHz a	inite ditere
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				M1[1] 39.9	M1[1] 0.51 dem 39.972 000 00 GHz	Image: Contraction of the second se

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Lower Band Edge - Path 5, Modulation: MCS0, Bandwidth: 80 MHz

		Spectrum 3 X Spect	trum 4 🗙			
Ref Level 20.00 dBm Att. 20 dB SWT DF "Starry Att"	# RBW 1 MHz 10 ms = VBW 3 MHz Mode Au	ito Sweep		Count 100/100	Pres.	301
OF "Starry Att" Frequency Sweep				en i Rm Ave	Anopt. / Scale	Auto
				M1[1] -34.94 dBm 37.000 000 0 GH		Same
2 (8)()					Trace	Tries
22					Heat	The cost
d8m					tites	The M
10 dêm					Harker	Pea
VGHZQ90MHZ3 LE					Herker	Sear
20 dBm					Parallan.	
tti dBm	MI				Under	
			_		Surger.	12
4D dBm					Autop-	- 10
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- 12/11					EH.]	đ
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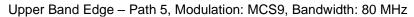


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Upper Band Edge - Path 5, Modulation: MCS0, Bandwidth: 80 MHz

vel 20.00 dBm	Spectrum 2     RBW 1 MHz     10 ms = VBW 3 MHz     M	Spectrum 3	Spectrum 4	×	ount 100/100	Pres	300
ry Att Incy Sweep					or of Hereitson	Angt./	Auto
	1 1			M1[1]	-0.80 dBm		Same
				0.54	C GOU OU GIA	Trace.	Tries
						Heat	-210 1000
		19,9640(004	H2) UE			Lines-	Dige Dist
						Harker	.Per Sea
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						rie .	Ha
						B+C	đ
						GH2 II -dilm V	Patter ditte

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Att 20.00 dBm	T 10 ms = VBW 3 Mrtz Mode	Auto Sweep		Cou	nt 100/100	•	<b>30</b> 11
XF "Starry Att" Enequency Sweep			- 40 40 40 40		n 1Rm Avg St	t-Z	Auto
				M1[1] 39.975	-1,06 dBm		Smer
450					10	19. I	Tries
(Baumana)					- 10	iii i	200
7		19/9640(004442)	UE.		the		Dige Date
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0 dBm					Har		nach.
U dbre					- 114	-	-
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0 d8m					1000000		

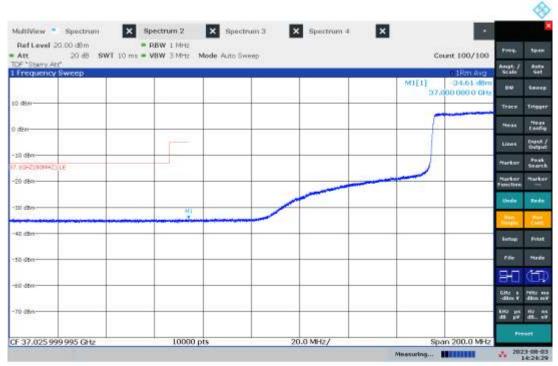
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# Lower Band Edge - Path 6, Modulation: MCS0, Bandwidth: 80 MHz

# RBW 1 MHz	rctrum 3 🗙 Spectr	um 4 🗙		1 Press	300
ne = VBW 3 MHz Mode Auto	Sweep		SHOWANG PERSONS		
			M1[1] -34.96 dBr	-	Set
		_	57.d00.000.0 GH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22425
					Tries
		_		Heat	2100 Loss
				Lines	Digit Dista
			- / ·	Harker	See.
	Contraction of Contraction			Narker Function	mark
	-			thesis	-
MI TOPOLOGIC					1.2
				Antes	Prin
				1 dec	Hat
				an	đ
					NH.
		_		-dites y all ys	dim
	NI = VBW 3 MHz Mode Auto	VBW 3 MHz Mode Auto Sweep	VBW 3 MHz Mode Auto Sweep	WBW 3 MHz         Mode Auto Sweep         Count 100/100           MIEI1         34.96 dir           37.000 000 0 dir         37.000 000 0 dir	Image: VBW 3 MHz     Mode: Auto Sweep     Image: Auto Swee

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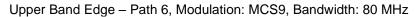
Lower Band Edge - Path 6, Modulation: MCS9, Bandwidth: 80 MHz

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Upper Band Edge - Path 6, Modulation: MCS0, Bandwidth: 80 MHz

dtiView * Spectrum Aef Level 20.00 d8m Art 20 d8 SWT	Spectrum 2 X S = RBW 1 MHz 10 ms = VBW 3 MHz Mode Au	pectrum 3 × Spectrum 4	Count 100/100	. Presi	1011
F Starry Att requency Sweep	to me a row office model no		Guint 1009 100	Angt. /	Auto
			M1[1] 2.12 dBm 39.972 800.00 GHz		Same
(\$5.6)				Trace.	Tries
20				Heat	21th Conf
N.		19,9GH0(00MH2) UE		Lines	Nev Ovtp
) dBen		_		Harker	
) dBm					741
	Stationary Second Second sections		The second states in the second	Under	
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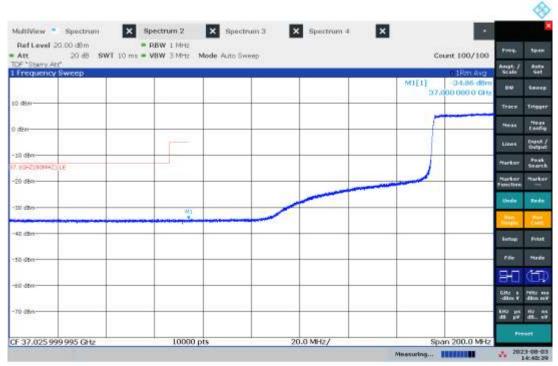
RefLevel 20.00 dBm Att. 20 dB SWT	TO DOWN A MANY	Spectrum 3 Spectrum	m 4 🗙	Count 100/100	Pres	300
Att 20 dB SWT F "Starry Att" Trequency Sweeps	to me a turn since maxin	Had Shelly		to a tem to a tem	Angt. / Scale	Aut
	T T		M1[1] 39	2,09 dBm		Sec
456					Thise.	Tries
1211					Heat	1710 1000
		19,9GH2(00MH2) VE			Lines.	Dige Dist
0 dBre-					Harker	
0 dBm				-	Narkir Function	nat
u dbre		the defense of the second s	-	and and a state of the state of	Under	
Sold L		and the second				12
D dEm				-	-	Pri
D dBre-				_	rie :	.94
					80	đ
D d8m					Griz a -dim V	hatte diter
					of the local division of	#12 45

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# Lower Band Edge - Path 7, Modulation: MCS0, Bandwidth: 80 MHz

Ref Level 20.00 dBm	# RBW 1 MHz	Spectrum 3	X Spectrum 4	×	Free	300
Att. 20 dB SWT 10 DF "Starry Att"	me = VBW 3 MHz Mode A	uto Sweep		Count 100/	100 Anut. /	A
Frequency Sweep				MIE1] -35.25	dilen	Set
2 1997 8				37,000 000 0		Same
2.454					Trace	Tries
dem					Heat	200
5500					Alder .	Dige Suite
iQ dBm					Harker	
VGH2090MHZ3 LE						Sea
0 dBm					Parker	mail
tu dže					thesis	
	M1				aller a	12
D dEm					Anton	Pri
D d8m					160	Hat
					e-n	đ
D dbre					GHz +	HIL
					-dillos V kHoj jus dill juv	dim
0 dBm						

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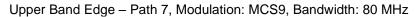
Lower Band Edge - Path 7, Modulation: MCS9, Bandwidth: 80 MHz

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Upper Band Edge - Path 7, Modulation: MCS0, Bandwidth: 80 MHz

fultiView * Spectrum P Ref Level 20.00 dSm	# RBW 1 MHz	Spectrum 3 🛛 🗙	Spectrum 4	×		. Pres.	30.00
Att 20.68 SWT 10 DF "Starry Att"	me = VBW 3 MHz Mode Au	to Sweep		c	ount 100/100	Angt. /	Auto
Frequency Sweep	The second secon			M1[1]	0.96 dBm		Same
2 (8)41		_		0315	L GOU OU GAL	Trace	Tries
12						Heat	21th Conf
		19/96H0(00MH2) VE				Lines -	Dig M Distp
i0 dBm				_		Harker	
0 dBm						Narkir Fandim	mark
U dbr						Under	-
D CEN			******			-22	12
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D dBm					_	rie .	Her
329777						8-O	đ
D dêre-						GHz II -dike V	haite ditm
tù dêm						1100 JUS	н. Н.
39,9978 GHz	10000 pts		MHz/		pan 50.0 MHz		niel (

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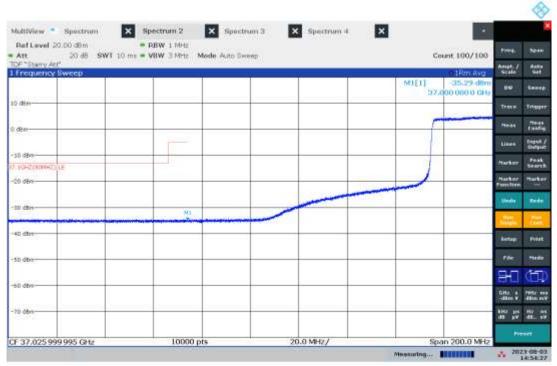
Alef Level 29.00 dBm	= DRW 1 MHz	Spectrum 3	× Spectrum 4	×	ount 100/100	Pres.	301
Att. 20 dB SWT 1 F "Starry Att" requercy Sweep				3	we Browing	Anipt. / Scale	A.4
				M1[1] 39)	-0.22 dBm		See
dser						Trace	Trie
Brownie						Heat	210
		19(9640(00442)	UE.			Lines	ne ovi
i dêm						Harker	30
) авн					-	Harkir Function	-
i dbri						thesis	
Sold I	With State of Long State of Lo					And in case	12
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dbm					-	ree	.96
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Lower Band Edge - Path 8, Modulation: MCS0, Bandwidth: 80 MHz

AultiView Spectrum Ref Level 20.00 dBm		Spectrum 3	× Spectrum 4	×		<u> </u>		
Att. 20 dB SWT 10 DF "Starry Att"	me = VBW 3 MHz Mode	e Auto Sweep			Co	unt 100/100	Press.	2011
Frequency Sweep		(ii)	- 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 -			: Rm Avg	Ampt / Scale	Auto
					M1E1]	-35,25 dBm 300 000 0 GHz	84	See
2.486							Trace	Tries
den					5		Heat	2000 Conf
					1		Lines	Digo Shife
10 dB-m							Harker	
VGHZTRAMHIZT LE					1		Herker	Sear
20 dBm					-	-	Function	100
30 dbe				000000000000			these	
	M1						-000	120
4D dBm							( And and	Prin
iD dBm			_				rie .	Hat
							8-0	đ
d dêm							GH2 II -dite: V	Party diter
rů děm			_				8142 JAS	11. 41.
								-

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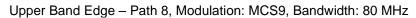
Lower Band Edge - Path 8, Modulation: MCS9, Bandwidth: 80 MHz

02:54:27 PM 08/03/2023

Upper Band Edge - Path 8, Modulation: MCS0, Bandwidth: 80 MHz

ew Spectrum evel 20.00 dBm	# RBW 1 MHz	× Spectrum 3 ×	Spectrum 4	×	ount 100/100	Pres.	300
any Att any Sweep	TO WE - ARM 2 MUST MRS	de Hoto sweep	15 - 20 -		aller 1007100	Angt./	Auto
and a strategy	1			M1[1]	-1,90 dBm		Same
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03:00:34 PM 08/03/2023



RefLevel 20.00 dBm Att. 20 dB SWT 1	0 ms = VBW 3 MHz Mode Au	to Sweep	Count 100/100	(Pres)	304
Frequency Sweep			- Olimiko I	Angt / Scale	Aut
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12541				Thise	Tries
d9m				Heat	-780 100
		10(96H2(00HH2) UE		Lines	Dige Shit
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				GH2 8 -dilm V	taite disc
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03:02:39 PM 08/03/2023

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Product Standa	ard: FCC 47CFR Part 30 Su	ubparts C and E		Limit applied: See Report Section 7.2				
Test Date		Supervising				Atmospheric	Data	
	Test Personnel/ Initials	Engineer/	Input Voltage	Mode	Temp	Relative	Atmospheric	
		Initials			°C	Humidity %	Pressure mbar	
04/20/2023	11 0: 11.05	N/A	48VDC Via	See Report	22	21	1021	
	Kouma Sinn 🖉	N/A	External P/S	Section 4	22	21	1021	
04/21/2023	11 05	N/A	48VDC Via	See Report	24	24	1024	
	Kouma Sinn 🖉	IN/A	External P/S	Section 4	24	24	1024	
08/03/2023	11.05	N/A	48VDC Via	See Report	23	55	1022	
	Kouma Sinn 🖉	IN/A	External P/S	Section 4	23	55	1022	

Deviations, Additions, or Exclusions: None

# 8 Radiated Spurious Emissions

# 8.1 Method

Tests are performed in accordance with FCC 47CFR Part 30 Subpart C, KDB 842590 D01 Upper Microwave Flexible Use Service v01r02 April 20, 2021 Subclause 4.4.3.

From 9kHz to 40 GHz both conducted and radiated methods were used and above 40 GHz only radiated method was used.

<u>Radiated Method From 9kHz-30 MHz</u>: The EUT was placed on a non-conductive structure 3 meters away from the receiving antenna. The automated testing was performed using Nexio software with antenna height fixed at 1 meter and EUT rotated from 0 to 360° with receiver antenna in X, Y, and Z axis.

<u>Radiated Method From 30 MHz-18 GHz:</u> The EUT was placed on a non-conductive structure 3 meters away from the receiving antenna with RF absorbers placed between the EUT and receiving antenna. The automated testing was performed using Nexio software. For pre-scan, the EUT was rotated from 0 to 360° at 1, 2, 3, and 4 meters in both vertical and horizontal polarities. For final measurements, the Nexio software picked 6 highest points and performed the final measurement with EUT rotated from 0 to 360° and receiving antenna varied from 1 to 4 meters to find the maximum emission level.

<u>Radiated Method From 18-220 GHz</u>: The EUT was placed on a non-conductive structure 3 meters away from the receiving antenna with RF absorbers placed between the EUT and receiving antenna. The testing was performed manually. The EUT was rotated from 0 to 360° and the receiving antenna was varied from 1 to 4 meters to find the maximum emission.

### TEST SITE: 10m ALSE

**The 10m ALSE** is 13m (Length) x 21m (Depth) x 10m (Height) with the effective size in terms of space from the tips of the absorber is 12m (Length) x 20m (Depth) x 8.5m (Height). This chamber achieves broadband performance using a unique arrangement of hybrid and ferrite tile absorber. This chamber has a built in 3m diameter turntable (Embedded type). The metal structure of the table makes electrical connection around the entire circumference of the turntable to the ground plane with a metal brush type connection. The turntable is located on one end of the chamber and the antennas are mounted 3 and 10 meters away at the other end of the chamber on the adjustable an Antenna Mast. The antenna mast is a non-conductive bore sighted type with remote control of antenna height and polarization. The Antenna Mast and the turntable can be remotely controlled through the controller located in the adjacent Control room. A Styrofoam table 80 cm high is used for table-top equipment.

### **Measurement Uncertainty**

Measurement	Frequency Range	Expanded Uncertainty (k=2)
Radiated Emissions, 10m	30-1000 MHz	5.0 dB
Radiated Emissions, 3m	30-1000 MHz	4.6 dB
Radiated Emissions, 3m	1-6 GHz	4.9 dB
Radiated Emissions, 3m	6-15 GHz	5.1 dB
Radiated Emissions, 3m	15-18 GHz	4.7 dB
Radiated Emissions, 3m	18-40 GHz	4.7 dB

# Sample Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CF - AG Where FS = Field Strength in dBμV/m RA = Receiver Amplitude (including preamplifier) in dBμV CF = Cable Attenuation Factor in dB AF = Antenna Factor in dB AG = Amplifier Gain in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows.

Assume a receiver reading of 52.0 dB $\mu$ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving a field strength of 32 dB $\mu$ V/m. This value in dB $\mu$ V/m was converted to its corresponding level in  $\mu$ V/m.

RA = 52.0 dBμV AF = 7.4 dB/m CF = 1.6 dB AG = 29.0 dB FS = 32 dBμV/m

To convert from  $dB\mu V$  to  $\mu V$  or mV the following was used:

UF =  $10^{(NF / 20)}$  where UF = Net Reading in  $\mu V$ NF = Net Reading in dB $\mu V$ 

### Example:

FS = RA + AF + CF - AG = 52.0 + 7.4 + 1.6 - 29.0 = 32.0 $UF = 10^{(32 \ dB\mu V / \ 20)} = 39.8 \ \mu V / m$ 

Alternately, when BAT-EMC Emission Software is used, the "Level" includes all losses and gains and is compared directly in the "Margin" column to the "Limit". The "Correction" includes Antenna Factor, Preamp, and Cable Loss. These are already accounted for in the "Level" column.

### 8.2 Limits:

Limit – FCC 47CFR Part 30 Subpart C, Section 30.203 (a) (b): 2021

(a) The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

(b)

(1) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

(2) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges as the design permits.

(3) The measurements of emission power can be expressed in peak or average values.

### 8.3 Test Equipment used:

### Test equipment used for conducted spurious emissions measurements

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
	Flexible 10' 40 GHz coaxial cable, 2.92mm M -					
Starry cable	2.92mm M	San-tron	99139-02 M120	None	04/19/2023	N/A
	20 dB Fixed Attenuator, 2.92mm M - 2.92mm F,					
Starry attenuator	2W	Pasternack	PE7395-20	None	04/19/2023	N/A
	Coaxial interface (2.92mm F - 2.92mm F) notch	United Microwave				
None	filter, 37-40 GHz	Technologies	812SB38783	SB20100002	None	N/A
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	11/18/2022	11/18/2023
			6351 Vantage			
DAV009'	weather station	Davis Instruments	VUE	DAV009	03/27/2023	03/27/2024

Notch Filter: Coaxial interface (2.92mm F - 2.92mm F) notch filter, 37-40 GHz | United Microwave Technologies | 812SB38783 |SB20100002 | Cal Date: 19 April 2023 | Cal due: NA

### Software Utilized:

Name	Manufacturer	Version		
None	N/A	N/A		

### Test equipment used radiated emissions from 9 kHz-30 MHz

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
ETS003'	9kHz-30MHz Active Loop Antenna	ETS Lindgren	6502	00143396	09/06/2022	09/06/2023
IW006'	DC-18GHz cable 8.4m long	Insulated Wire	2800-NPS	IW006	07/14/2022	07/14/2023
IW002'	2 meter Armored cable	Insulated Wire	2800-NPS	002	10/11/2022	10/11/2023
IW002'	2 meter Armored cable	Insulated Wire	2800-NPS	002	10/11/2022	10/11/2023
145-414'	Cable 145-414	Huber + Suhner	3m Track A cable	145-414	07/14/2022	07/14/2023
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/23/2022	06/23/2023

### Software Utilized:

Name	Manufacturer	Version		
BAT-EMC	NEXIO	3.18.0.16		

#### Test equipment used for radiated emissions from 30-1000 MHz

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
145145'	Broadband Hybrid Antenna 30 MHz - 3 GHz	Sunol Sciences Corp.	JB3	A122313	06/16/2022	06/16/2023
145-408'	10m Chamber - 3m Track B In-floor Cable	Huber + Suhner	sucoflex 106-11000mm	001	07/14/2022	07/14/2023
PRE11'	50dB gain pre-amp	Pasternack	PRE11	PRE11	09/20/2022	09/20/2023
HS002'	DC-18GHz cable 1.5M long	Huber & Suhner	SucoFlex 106A	HS002	07/17/2022	07/17/2023
145-406'	10m Track A In-floor Cable #1	Huber + Suhner	sucoflex 160-19220mm	001	07/14/2022	07/14/2023
IW001'	2 meter cable	Insulated Wire	2801-NPS	001	07/14/2022	07/14/2023
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/23/2022	06/23/2023
DAV006'	Weather Station	Davis	6250	MS191218071	02/21/2022	02/21/2024

# Software Utilized:

Name	Manufacturer	Version		
BAT-EMC	NEXIO	3.18.0.16		

# Test equipment used for radiated emissions from 1-18 GHz

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
ETS002'	1-18GHz DRG Horn Antenna	ETS Lindgren	3117	00143260	09/27/2022	09/27/2023
IW006'	DC-18GHz cable 8.4m long	Insulated Wire	Insulated Wire 2800-NPS IW006 07/14/2022		07/14/2023	
PRE12'	Pre-amplifier	Com Power	PAM-118A	18040117	12/17/2022	12/17/2023
IW002'	2 meter Armored cable	Insulated Wire	2800-NPS	002	10/11/2022	10/11/2023
IW002'	2 meter Armored cable	Insulated Wire	2800-NPS	002	10/11/2022	10/11/2023
145-414'	Cable 145-414	Huber + Suhner	3m Track A cable	145-414	07/09/2021	07/09/2022
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/23/2022	06/23/2023
DAV006'	Weather Station	Davis	6250	MS191218071	02/21/2022	02/21/2024

### Software Utilized:

Name	Manufacturer	Version		
BAT-EMC	NEXIO	3.18.0.16		

### Test equipment used for radiated emissions from 18-40 GHz

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
PRE9'	100MHz-40GHz Preamp	MITEQ	NSP4000-NFG	1260417	09/23/2022	09/23/2023
CBLHF2012-5M-2'	5m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252676002	02/25/2023	02/25/2024
CBLHF2012-2M-2'	2m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252675002	02/18/2023	02/18/2024
145108'	EMI Test Receiver (20Hz - 40GHz)	Rohde & Schwarz	ESIB40	100209	06/23/2022	06/23/2023
ETS004'	18-40GHZ horn antenna	ets004	3116C	00218579	02/23/2023	02/23/2024
DAV006'	Weather Station	Davis	6250	MS191218071	02/21/2022	02/21/2024

### Software Utilized:

Name	Manufacturer	Version
BAT-EMC	NEXIO	3.18.0.16

### Tests equipment used from 40-220 GHz

Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due
DAV007'	Weather Station Vantage Vue	Davis	6250	MS191212003	03/15/2023	03/15/2024
ROS005-1'	Signal and Spectrum Analyzer	Rohde and Shwartz	FSW43	100646	11/18/2022	11/18/2023
CBLHF2012-5M-2'	5m 9kHz-40GHz Coaxial Cable - SET2	Huber & Suhner	SF102	252676002	02/25/2023	02/25/2024
	40-60 GHz Spectrum Analyzer Extension Module	Virginia Diodes, Inc.	VDIWR19.0SAX-F	SAX835	See note below	N/A
	60-90 GHz Spectrum Analyzer Extension Module	Virginia Diodes, Inc.	VDIWR12.0SAX-F	SAX836	See note below	N/A
	90-140 GHz Spectrum Analyzer Extension Module	Virginia Diodes, Inc.	VDIWR8.0SAX-F	SAX837	See note below	N/A
	140-220 GHz Spectrum Analyzer Extension					
	Module	Virginia Diodes, Inc.	VDIWR5.1SAX-F	SAX838	See note below	N/A

Notes: There is no cal date / cal due date for the VDI converter modules; all relevant calibration information regarding these instruments can be found in Appendix A

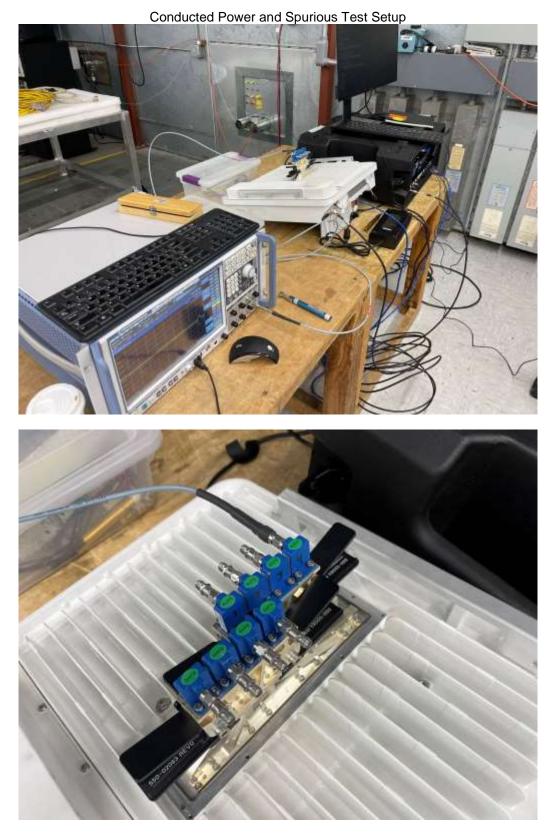
### Software Utilized:

Name	Manufacturer	Version
None	N/A	N/A

### 8.4 Results:

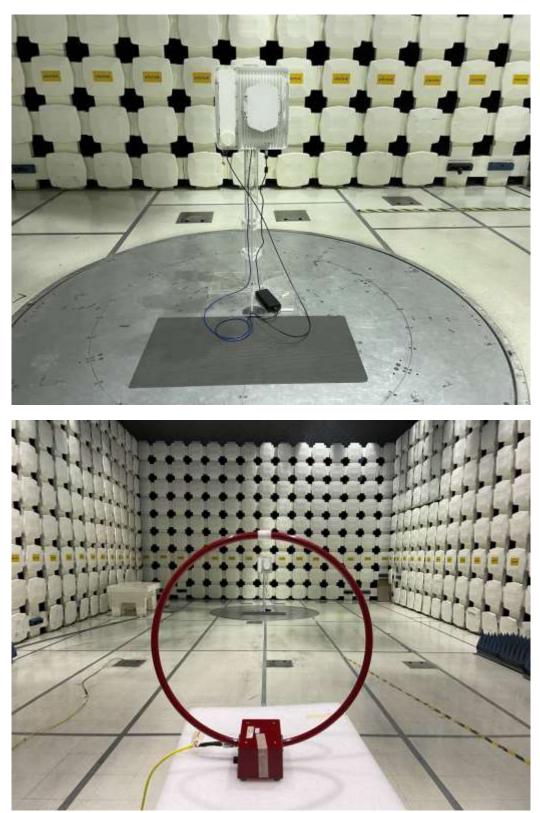
The sample tested was found to Comply.

# 8.5 Setup Photographs:

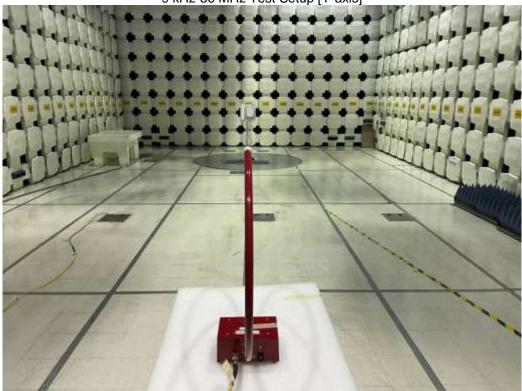


9 kHz-30 MHz Test Setup [X-axis]

Report Number: 105391852BOX-001.4



Report Number: 105391852BOX-001.4

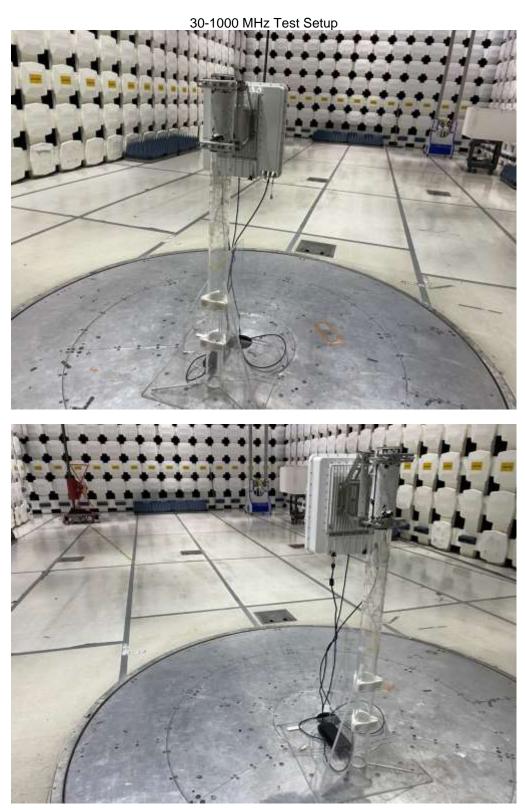


9 kHz-30 MHz Test Setup [Y-axis]

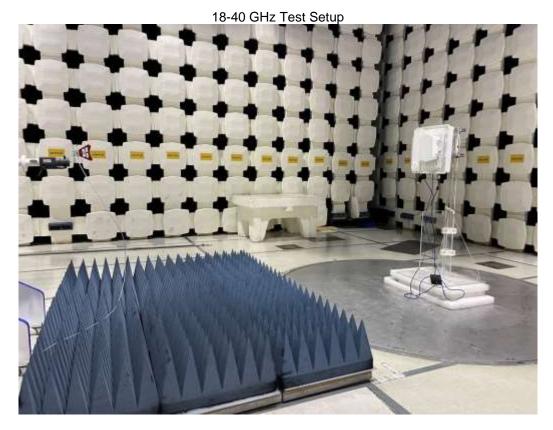
9 kHz-30 MHz Test Setup [Z-axis]



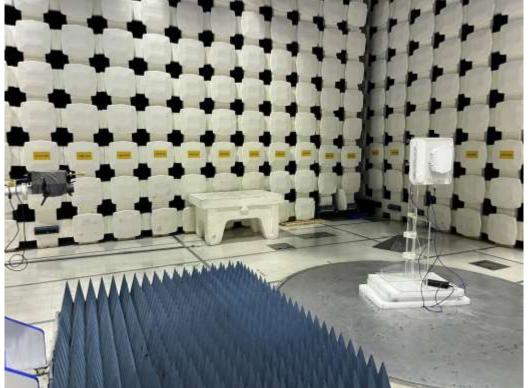
Report Number: 105391852BOX-001.4



1-18 GHz Test Setup Not available



40-220 GHz Test Setup



Test Set Photos

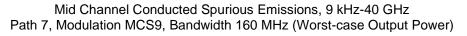
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### 8.6 Plots/Data:

Low Channel Conducted Spurious Emissions, 9 kHz-40 GHz Path 4, Modulation: MCS9, Bandwidth: 160 MHz (Worst-case Output Power)

Ref Level 30.00 d5m	= HBW ()							
Att 30 dB SWT 16 DF "Starry Att"	ms = VBW 33	HE Mode Aut	o Sweep					Count 50/10
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	30 dB SWT 160			n Sweep					Count 100/10
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								MIL	<ol> <li>-25.02 d9</li> <li>25.933 81 Gi</li> </ol>
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90.080									
ends 200									
			20.000 - 14						
9.0 kHz			10000 pts		- 4	.0 GHz/			40.0 GH

# 02:46:23 PM 04/21/2023

Notes: Due to high attenuation of the notch filter, only the frequency range as shown were measurable.

Issued: 08/21/2023	, Revised: 03/06/2024

# High Channel Conducted Spurious Emissions, 9 kHz-40 GHz Path 4, Modulation MCS0, Bandwidth 160 MHz (Worst-case Output Power)

	_	_	_	_	_	_	_	_	
p.m2	X Spand	X Spart	× Sp.m5	X Sp.md	X Sp.an7	X Spart	× Spart	× 59-30	×
Ref Lev Att	vel 30.00 dBm	PWT 160 /	<ul> <li>RBW 1 MHz</li> <li>ns = VBW 3 MHz</li> </ul>	Mada Auto	Sueen				Count 100/1
DF "Star	ry Att"	341 1001		Mode Auto	sweep				
Freque	ency Sweep	M2							0 1Rm A M1[1] -25.09 (
									25.933 81
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30 dBm-						¥	~~~~		~~~
40 d8m									
50 d8m-									
60 dbm									
9.0 kHz				10000 pts		4.0	) GHz/		40.0 (
								Measuring	2023-04 14:4

### 02:42:26 PM 04/21/2023

Report Number: 105391852BOX-001.4

Notes: Due to high attenuation of the notch filter, only the frequency range as shown were measurable.

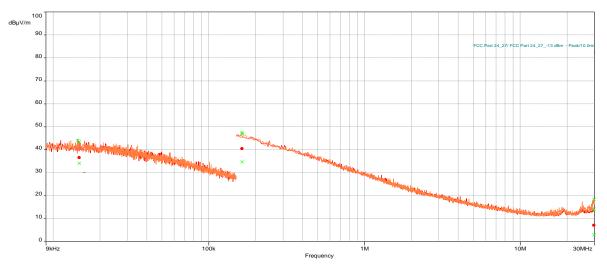
Report Number: 105391852BOX-001.4

### Radiated Emissions From 9 kHz-30 MHz [Worst-case Output Power: Path 4, Bandwidth = 160 MHz, Modulation: MCS0]

### Test Information:

Date and Time	4/26/2023 8:56:02 AM
Client and Project Number	Starry
Engineer	Kouma Sinn
Temperature	23 C
Humidity	34 %
Atmospheric Pressure	1015 mbar
Comments	Scan 4: High Ch _Path 4_160 MHz BW_MCS0 (Worst-case Output Power), RE
	9kHz-30MHz Loop antenna, Electric Field, 10M Location (FCC Part 18)

#### Graph:



# Results:

EIRP Peak (PASS) (3)

Frequency (MHz)	Peak Level (dBµV/m)	EIRP Level (dBm)	Limit (dBm)	EIRP Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
0.01466315789	43.50	-41.3	-13	-28.3	96.00	1.00	Vertical	200.00	0.14
0.1640263158	46.84	-37.96	-13	-24.96	358.00	1.00	Vertical	200.00	0.16
29.72813158	14.19	-70.61	-13	-57.61	121.00	1.00	Vertical	200.00	1.81

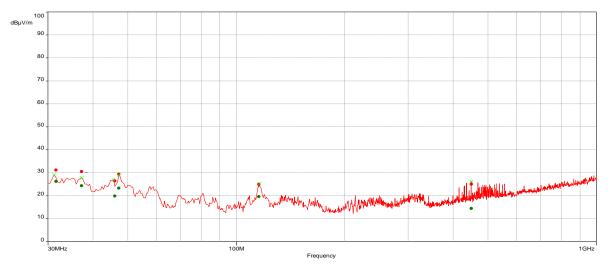
Notes: The EIRP level (dBm) is calculated from the peak level readings (dBuV/m) as EIRP Level (dBm) = Peak Level (dBuV/m) + 20\*Log(d)-104.8, where d is the measurement distance (in far field region) in meter. No emission was detected above the instrument noise floor signals. Readings above are noise floor readings.

### Radiated Emissions From 30-1000 MHz (V/H), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

### Test Information:

Date and Time	4/25/2023 9:26:09 AM
Client and Project Number	Starry
Engineer	Kouma Sinn
Temperature	23 C
Humidity	35 %
Atmospheric Pressure	1011 mbar
Comments	Scan 1: Low Ch _Path 4_160 MHz BW_MCS9 (Worst-case Output Power), RE 30-
	1000MHz SA mode

#### Graph:



# Results:

EIRP Peak (PASS) (6)

Frequency (MHz)	Peak Level (dBµV/m)	EIRP Level (dBm)	Limit (dBm)	EIRP Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
31.51578947	31.22	-53.58	-13	-40.58	114.00	1.36	Vertical	120k	-13.37
37.32631579	30.53	-54.27	-13	-41.27	31.00	1.55	Vertical	120k	-17.42
45.94736842	26.47	-58.33	-13	-45.33	83.00	1.97	Vertical	120k	-23.41
47.23157895	29.40	-55.4	-13	-42.4	75.00	1.52	Vertical	120k	-24.11
115.6842105	25.01	-59.79	-13	-46.79	274.00	2.15	Vertical	120k	-19.12
449.2736842	24.99	-59.81	-13	-46.81	65.00	2.14	Vertical	120k	-14.04

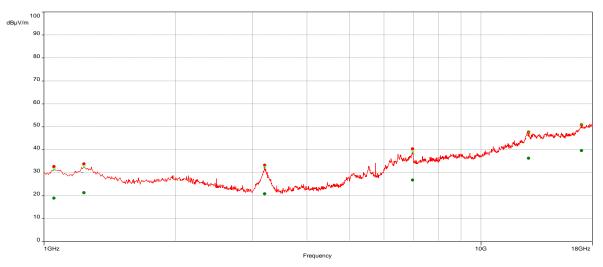
Notes: The EIRP level (dBm) is calculated from the peak level readings (dBuV/m) as EIRP Level (dBm) = Peak Level (dBuV/m) + 20\*Log(d)-104.8, where d is the measurement distance (in far field region) in meter.

### Radiated Emissions From 1-18 GHz (V/H), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

### Test Information:

Date and Time	4/26/2023 2:57:57 PM
Client and Project Number	Starry
Engineer	Kouma Sinn
Temperature	23 C
Humidity	34 %
Atmospheric Pressure	1015 mbar
Comments	Scan 7: Low Ch _Path 4_160 MHz BW_MCS9 (Worst-case Output Power), RE 1
	to 18 GHz SA mode

#### Graph:



### Results:

EIRP Peak (PASS) (6)

Frequency (MHz)	Peak Level (dBµV/m)	EIRP Level (dBm)	Limit (dBm)	EIRP Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
1055.263158	32.70	-62.56	-13	-49.56	345.00	2.35	Vertical	1M	-10.16
1232.631579	33.83	-61.43	-13	-48.43	357.00	1.61	Horizontal	1M	-8.44
3198.421053	33.31	-61.95	-13	-48.95	335.00	3.36	Horizontal	1M	6.53
6978.684211	40.39	-54.87	-13	-41.87	61.00	2.28	Horizontal	1M	3.30
12862.36842	47.73	-47.53	-13	-34.53	122.00	1.00	Horizontal	1M	13.64
16990.26316	50.87	-44.39	-13	-31.39	297.00	2.95	Vertical	1M	19.63

Notes: The EIRP level (dBm) is calculated from the peak level readings (dBuV/m) as EIRP Level (dBm) = Peak Level (dBuV/m) + 20\*Log(d)-104.8, where d is the measurement distance (in far field region) in meter.

Issued:	08/21/2023,	Revised:	03/06/2024

Report Number: 105391852BOX-001.4

Radiated Emissions From 18-26 GHz (V/H), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

Att 10.00 dBm Offer	32 ms = VBW 314Hz	Mode Auto Sweep			3	Count 100/100
DF 1080-F2012-SM-2, 02-25- Frequency Sweep	2024" "CBUHF2012-2M-2_0	2-18-24","starry_comb_	Etter*,*PRE9_09-23-2023*			01Fm Ave
					M1[1]	
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0 dBm						
HI -13.000 d	1					-
20 dBrh						-
o dev.						
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Sā dēm		_		-		
e0 dBm		_		_		
70 dim						
il dir						
00 dBn						
18.0 GHz	10	000 pts	800.0 MHz/			26.0 G

10:40:48 AM 05/09/2023

# Radiated Emissions From 26-40 GHz (V/H), Low Channel

[Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

OF 108LHF2012-5M-2_02-25-2024	6 mil = VBW 3 MHz Mode Auto Sweep (*CBLHF2012-2M-2_02-18-24*,*sterry_note	h_Rter*,*PRE9_09-23-2023*		Court 100/10
Frequency Sweep				11[1] -120.77 da 37.020.00 G
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i) dim				
			1	
6.0 GHz	10000 pts	1.4 GHz/	1	40.0 G

11:15:48 AM 05/09/2023

Notes: No emission was detected above the test instrument noise floor noise floor.

Report Number: 105391852BOX-001.4

Radiated Emissions From 40-60 GHz (Vertical Polarity 1), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

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0.088							

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Radiated Emissions From 40-60 GHz (Vertical Polarity 2), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

MultiView	Spectrum	× Spectrum 2	×					
Ref Level 30.00		2 dB = PLBW 1 MHz 0 ms = VBW 3 MHz Mod	a di en Suisan					ount 100/10
ip: ExtMix U			a Hoto Streep					
Frequency Sw	veep				01Rm Avg Au	to ID = 2Rm Av	g Auto ID 😐 3Rr	
								-30.40 dB 42.669 00 G
0 d8m								121003 00 0
dam								
dBm								
donn -								
10 d9m								
20 0411								
20 d8m								
	M1							
30 d8m								
10 (3911		the second day is a second day of the second day				The second se		
so dam								
60 d8m								-
F 50.0 GHz		10000 g	ds	2	.0 GHz/			Span 20.0 Gł
		10000			- an my	Measuring		* 2023-05-0 14:20:1

02:20:12 PM 05/09/2023

Notes: Two plots were taken due to emission levels are located at different angle of the EUT. The mixer loss and antenna factor includes in Inp: ExtMix U while the cable loss was compensated as dB offset.

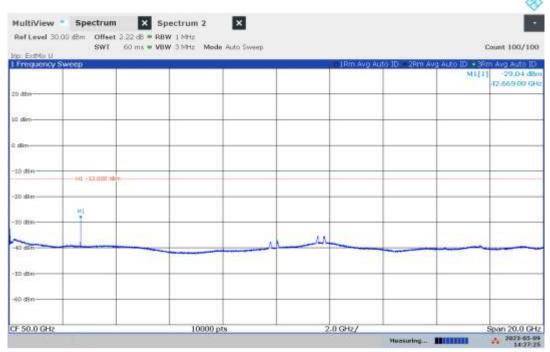
Report Number: 105391852BOX-001.4

Radiated Emissions From 40-60 GHz (Horizontal Polarity 1), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

p. ExtMa U Frequency Sweet		anterne nor-sazo				a Auto ID + 3Pr	and the second second
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0.68m							

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Radiated Emissions From 40-60 GHz (Horizontal Polarity 2), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]



02:27:25 PM 05/09/2023

Notes: Two plots were taken due to emission levels are located at different angle of the EUT. The mixer loss and antenna factor include in Inp: ExtMix U while the cable loss was compensated as dB offset. Radiated Emissions From 60-90 GHz (V/H Polarity), Low Channel

# [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

MultiView Spectrum Ref Level 2.22 dBm Offset 2.22 dB # RBW 1 MHz	
Part and 2020 for a difference of a DBM A Main	
SWT 90 ms • VBW 3 MHz Mode Auto Sweep	0
Inp: ExtMix E	Count 100/100
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-10 dan-	
HL -13.000 d8ii	
-20 d8n	
-30 dan	
-10 d3n-	
-10.0081	
-50 dBm	
-60 d8n	
-70 dàn	
-80 d8n-	
-90 d0n	
60.0 GHz 10000 pts 3.0 GHz/	90.0 GHz
Measuring	2023-05-10 08:46:39

08:46:39 AM 05/10/2023

Radiated Emissions From 90-140 GHz (V/H Polarity), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

	et 2.22 dS 🖷 RBW 1 MHz				
SWT	150 ms = VBW 3 MHz Mode Auto Swe	iep			Count 100/100
np: Extribut F I Frequency Sweet)		9420			Avg SigID LSB
Prequency Sweep			THUL WAS SE	M1(1)	-26.91 dBn
				Concerte.	90.19750 GH
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-141 13-004	0.0811				
20 dbin					
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10 dBm					
90-0 GHz	10000 pts	5.0 GHz/		les de la constante de la const	140.0 GHz

10:15:49 AM 05/10/2023

Notes: No emission was detected above the test instrument noise floor noise floor. The mixer loss and antenna factor include in Inp: ExtMix U while the cable loss was compensated as dB offset.

Report Number: 105391852BOX-001.4

Radiated Emissions From 140- 220 GHz (V/H Polarity), Low Channel [Worst-case Output Power: Low Channel, Path 4, Bandwidth = 160 MHz, Modulation: MCS9]

MultiView									
Ref Level 0.0	0 dBm Offset 2 SWT 2		1 MHz 3 MHz Mode	Auto Sween					Count 100/100
np: ExtMix G		140 mis <b>- 40</b> 0	STATE MODE	Noto aneep					
Frequency S	Sweep						O1Rm Avg Si	gID USB • 2Rm	
								M1[1]	-27.44 dB 151.668 00 G
10 dBm									+
	H1 -13.000 dBr								
20 dBm-									
	ML								
30 dBm									
40 dBm									
50 dBm									
60 dBm									
70 dBm									+
90 dêm									
90 dim									
140.0 GHz			10000 pt	ts	. 8	.0 GHz/	1	1	220.0 Gł

09:47:43 AM 05/10/2023

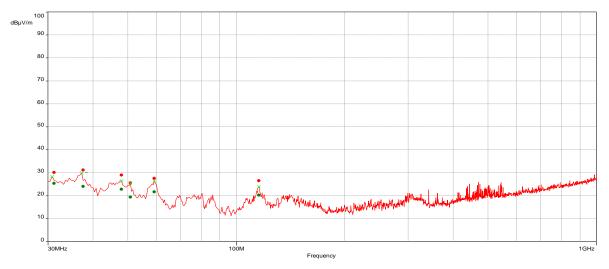
Notes: No emission was detected above the test instrument noise floor noise floor. The mixer loss and antenna factor include in Inp: ExtMix U while the cable loss was compensated as dB offset.

### Radiated Emissions From 30-1000 MHz (V/H), Mid Channel [Worst-case Output Power: Mid Channel, Path 7, Bandwidth = 160 MHz, Modulation: MCS9]

### Test Information:

Date and Time	4/25/2023 9:57:25 AM
Client and Project Number	Starry
Engineer	Kouima Sinn
Temperature	23 C
Humidity	35 %
Atmospheric Pressure	1011 mbar
Comments	Scan 2: Mid Ch _Path 7_160 MHz BW_MCS9 (Worst-case Output Power), RE 30-
	1000MHz SA mode

#### Graph:



### Results:

EIRP Peak (PASS) (6)

Frequency (MHz)	Peak Level (dBµV/m)	EIRP Level (dBm)	Limit (dBm)	EIRP Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
31.14736842	30.12	-54.68	-13	-41.68	99.00	1.30	Vertical	120k	-13.23
37.51578947	31.17	-53.63	-13	-40.63	67.00	1.29	Vertical	120k	-17.57
47.87368421	29.05	-55.75	-13	-42.75	77.00	1.85	Vertical	120k	-24.36
50.76842105	25.62	-59.18	-13	-46.18	234.00	1.70	Vertical	120k	-25.30
59.2	27.59	-57.21	-13	-44.21	191.00	2.34	Vertical	120k	-25.55
115.5684211	26.56	-58.24	-13	-45.24	280.00	1.00	Vertical	120k	-19.13

Notes: The EIRP level (dBm) is calculated from the peak level readings (dBuV/m) as EIRP Level (dBm) = Peak Level (dBuV/m) + 20\*Log(d)-104.8, where d is the measurement distance (in far field region) in meter.

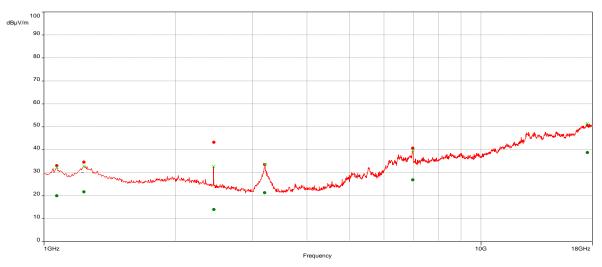
Report Number: 105391852BOX-001.4

### Radiated Emissions From 1-18 GHz (V/H), Mid Channel [Worst-case Output Power: Mid Channel, Path 7, Bandwidth = 160 MHz, Modulation: MCS9]

### Test Information:

Date and Time	4/26/2023 2:26:45 PM
Client and Project Number	Starry
Engineer	Kouma Sinn
Temperature	23 C
Humidity	34 %
Atmospheric Pressure	1015 mbar
Comments	Scan 6: Mid Ch _Path 7_160 MHz BW_MCS9 (Worst-case Output Power), RE 1 to
	18 GHz SA mode

#### Graph:



# Results:

EIRP Peak (PASS) (6)

Frequency (MHz)	Peak Level (dBµV/m)	EIRP Level (dBm)	Limit (dBm)	EIRP Margin (dB)	Azimuth (°)	Height (m)	Pol.	RBW (Hz)	Correction (dB)
1067.631579	33.09	-62.17	-13	-49.17	2.00	2.75	Horizontal	1M	-9.93
1237.105263	34.57	-60.69	-13	-47.69	359.00	1.00	Vertical	1M	-8.44
2448.947368	43.30	-51.96	-13	-38.96	235.00	1.61	Vertical	1M	-4.28
3201.842105	33.61	-61.65	-13	-48.65	207.00	2.85	Vertical	1M	6.50
6985.789474	40.65	-54.61	-13	-41.61	190.00	3.22	Horizontal	1M	3.31
17523.68421	50.67	-44.59	-13	-31.59	206.00	1.98	Vertical	1M	19.71

Notes: The EIRP level (dBm) is calculated from the peak level readings (dBuV/m) as EIRP Level (dBm) = Peak Level (dBuV/m) + 20\*Log(d)-104.8, where d is the measurement distance (in far field region) in meter.

Report Number: 105391852BOX-001.4

Radiated Emissions From 18-26 GHz (V/H), Mid Channel [Worst-case Output Power: Mid Channel, Path 7, Bandwidth = 160 MHz, Modulation: MCS9]

Ref Level 10.00 dBm Offset Att 10 dB SWT	32 ms = VBW 314Hz Mode Auto Sweet	ř.	Court 100/100
DF 108UHP2012-SM-2_02-25-20	024" "CBLHF2012-2M-2_02-19-34", "starry_not	nt_8ke*,*PRE9_09-23-2023"	Charlen and Charles an
Frequency Sweep		P 10 17	M1[1] -70.10 dBr
			25-985-200 GH
din			
10 dBm			
#1 -13.000 deo			
20 dBm			
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70 dim-			
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and a second sec			
18.0 GHz	10000 pts	800.0 MHz/	26.0 GH. 2023-05-07 11:37:30

11:37:38 AM 05/09/2023

# Radiated Emissions From 26-40 GHz (V/H), Mid Channel

[Worst-case Output Power: Mid Channel, Path 7, Bandwidth = 160 MHz, Modulation: MCS9]

	56 ms = VBW 3 MHz Mode Auto 5weep 7,108LHF2012-294-2_02-18-241,1sterry_no	uh_liter*,*PRE9_09-23-2023*		Count 100/100
Frequency Sweep		and have a set of the state of the set		1Fm Avg
				M1[1] -120,80 d8 37,020 00 G
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10 dim-				
06940V				
30 dBm			1	
60 GBW				
iù d8m				
10 OB11				
5D dBm-				
il din-				
10 dien				
i0 d8m				
70 dilm-				
			Ha	
26.0 GHz	10000 pts	1.4 GHz/		40.0 GF

11:28:43 AM 05/09/2023

Notes: No emission was detected above the test instrument noise floor noise floor.