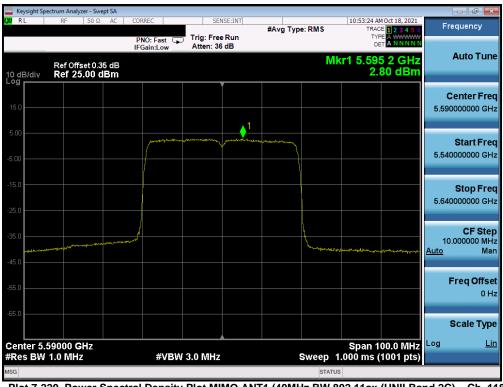


	ectrum Analyzer - S										×
LXI RL	RF 50	Ω AC	CORREC		ISE:INT	#Avg Typ	e: RMS	TRAC	1 Oct 18, 2021 E 1 2 3 4 5 6	Frequency	
			PNO: Fast 😱 IFGain:Low	Trig: Free Atten: 36				TYP DE			
10 dB/div Log	Ref Offset 0 Ref 25.00						MI	kr1 5.513 2.0	3 5 GHz 62 dBm	Auto Tur	ne
15.0					. 1					Center Fre 5.510000000 GH	
-5.00				andre and the second						Start Fre 5.460000000 GH	
-15.0										Stop Fre 5.560000000 GH	
-35.0	Aroute management	n fragenting and a second					Munanainain	nenhanika dienkandere	ىمەربارلىرىمەر يۇرىمەر يارلىرىمەر مەربىرىكەر يېرىكەر يېرى	CF Ste 10.000000 MH <u>Auto</u> Ma	
-55.0										Freq Offs 0 H	
-65.0										Scale Typ	
Center 5. #Res BW	51000 GHz		#VBM	3.0 MHz			Sween_1	Span 1 (1.000 ms	00.0 MHz 1001 pts)	_	<u>.in</u>
MSG	1.0 10112			0.0 10112			STATU		roo i pisj		

Plot 7-219. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 102)



Plot 7-220. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 118)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	UNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 111 of 257
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Ref Offset 0.35 dB MKT 0.702 3 CF/2 0 dB/div Ref 25.00 dBm 3.56 dBm 150 1 5.71000000 GH 500 1 5.71000000 GH 500 1 5.75000000 GH 150 1 1 50		ectrum Analyzer - Swe	pt SA								
Pilo: Fast Trig: Free Run Atten: 36 dB Mikr1 5.702 3 GHz 3.56 dB Center Fre 5.71000000 GH 5.75000000 GH	XI RL	RF 50 Ω	AC CO	RREC	SEI	SE:INT	#Avg Typ	e: RMS			Frequency
009 1	10 dB/div		IF 5 dB						TYF DE r1 5.70		Auto Tune
Start Fre Start Fre 5.00 5.66000000 GH 15.0 5.66000000 GH 25.0 5.76000000 GH 35.0 5.76000000 GH 56.0 5.7600000 GH 56.0 5.71000 GHz	15.0				▲1						Center Freq 5.710000000 GHz
25.0 Stop Fre 5.76000000 GH 45.0 GH 55.0 GH 55.76000000 GH 57.6000000 GH CF Ste 10.00000 MH Auto Ma Freq Offse 0 H Scale Typ Center 5.71000 GHz	-5.00				and the former of the former o	and the second s					Start Freq 5.660000000 GHz
50.0 10.00000 MH 45.0 10.00000 MH 55.0 10.00000 MH 65.0 10.00000 MH 10.00000 MH 10.00000 MH 10.00000 MH 10.00000 MH 10.00000 MH 10.00000 MH 10.0000 MH 10.00000 MH 10.000	-15.0										Stop Freq 5.760000000 GHz
ббо ббо сепter 5.71000 GHz Span 100.0 MHz Log	-35.0	and a new approximation	programment .					A. Marson Marsh	Mhrie Will Barry	as Marcharter	CF Step 10.000000 MHz <u>Auto</u> Man
Center 5.71000 GHz Scale Typ	-55.0										Freq Offset 0 Hz
Res BW(10 MHz #VBW(30 MHz Sweep 1000 ms (1001 pts)									Span 1	00.0 MHz	
	#Res BW	1.0 MHz		#VBW	3.0 MHz					1001 pts)	

Plot 7-221. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 142)



FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 142 of 257
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	ectrum Analyzer - Si	wept SA									
I <mark>XI</mark> RL	RF 50 9	Ω AC	CORREC	SEI	NSE:INT	#Avg Typ	e RMS		HOct 18, 2021	Frequer	ncy
	Ref Offset 0	34 dB	PNO: Fast IFGain:Low	Trig: Free Atten: 36		41. B		TYF DE Ikr1 5.60		Auto	Tune
10 dB/div Log	Ref 25.00	dBm						0.	07 dBm		
15.0										Cente 5.6100000	e r Freq 00 GHz
-5.00										Star 5.5100000	t Freq 00 GHz
-15.0										Sto 5.7100000	p Freq 00 GHz
-35.0			~~~				Languard	and the state of the	en el en anter	CI 20.0000 <u>Auto</u>	= Step 00 MHz Man
-55.0										Freq	Offset 0 Hz
-65.0											е Туре
Center 5.0 #Res BW			#VBW	3.0 MHz			Sweep	Span 2 1.000 ms (00.0 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STAT	US			

Plot 7-223. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 122)



Plot 7-224. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMS908JPN	Proud to be part of (e) element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 142 of 257
1M2112100159-07.A3L	9/14/2021 - 11/12/2021	Portable Handset	Page 143 of 257
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	ectrum Analyzer - Swe									
LXI RL	RF 50 Ω	AC CC	ORREC	SEN	ISE:INT	#Avg Typ	e: RMS		1 Oct 18, 2021 E 1 2 3 4 5 6	Frequency
		F	PNO: Fast 🖵 Gain:Low	Trig: Free Atten: 36				TYF DE		Auto Tune
10 dB/div Log	Ref Offset 0.3 Ref 25.00 d						M	(r1 5.51) -0.3	5 0 GHz 33 dBm	Auto Tune
15.0										Center Freq 5.530000000 GHz
-5.00				1 		and the second second				Start Freq 5.430000000 GHz
-15.0										Stop Freq 5.630000000 GHz
-35.0	and and the second s	arwangang barra					L. marmously	ladarada gugarga garada j	يەر	CF Step 20.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	5300 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 2 .000 ms (00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATUS			

Plot 7-225. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 106)



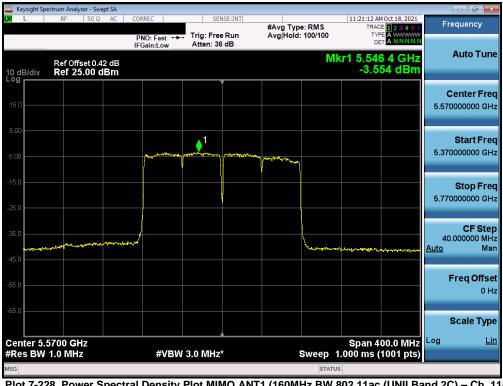
Plot 7-226. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 122)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 144 of 257
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	pectrum Analyzer -									
LXU RL	RF 5	0Ω AC	CORREC	SEI	NSE:INT	#Avg Typ	e: RMS		Oct 18, 2021	Frequency
			PNO: Fast 🖵 IFGain:Low	Trig: Free Atten: 36				TYP		Auto Tune
10 dB/div Log	Ref Offset Ref 25.0							-2.0	9 dBm	
15.0										Center Freq 5.69000000 GHz
										5.89000000 GH2
5.00			Antorma	manageneering						Start Freq 5.59000000 GHz
-5.00						and an and a first of the second s				5.59000000 GH2
-15.0										Stop Freq 5.790000000 GHz
-25.0										5.79000000 GH2
-35.0			1				\ \			CF Step 20.000000 MHz
-45.0	punnunun	man	ngul				Marrian and	rent have the warded	-	<u>Auto</u> Man
-55.0										Freq Offset
-65.0										0 Hz
										Scale Type
	.6900 GHz 510 kHz		#VBW	3.0 MHz			Sween_1	Span 20 1.000 ms (*	00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG	0101112		<i>"•</i> Би				STATU		ree i ptsj	

Plot 7-227. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 138)



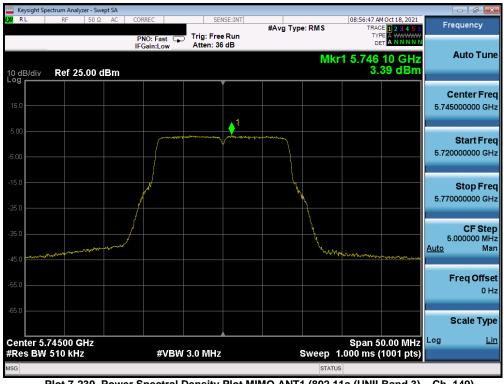
Plot 7-228. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 2C) - Ch. 114)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 145 of 257
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🔤 Key		m Analyzer - Sw										
LXI L	L	RF 50 Ω	AC	CORREC	SE	NSE:INT	#Avg Typ	e: RMS		1 Oct 18, 2021 E 1 2 3 4 5 6	Frequenc	cy
				PNO: Fast IFGain:Low			Avg Hold:		TYP			
10 dE Log r		ef Offset 0.3 ef 25.00 c						Mł	(r1 5.54) -3.0	64 GHz 97 dBm	Auto	Tune
						Ĭ					Center	
15.0											5.57000000	0 GHz
5.00					▲1						Start	Freq
-5.00				- more	hand provide and a second	per contraction of the second s	- Annaparat				5.37000000	0 GHz
-15.0											Stop	Freq
-25.0											5.77000000	0 GHz
-35.0												Step
-45.0		a norman alanna	herrow Alberto	~~~ ⁽				harvenone	an a	,	40.00000 <u>Auto</u>	0 MHz Man
											FreqC	Offset
-55.0												0 Hz
-65.0											Scale	Туре
	ter 5.57(Span 4	00.0 MHz	Log	Lin
	s BW 1.0	MHz		#VI	BW 3.0 MHz	*			.000 ms (1001 pts)		
MSG								STATUS	6			

Plot 7-229. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (UNII Band 2C) - Ch. 114)



Plot 7-230. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) - Ch. 149)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 440 at 057
1M2112100159-07.A3L	9/14/2021 - 11/12/2021	Portable Handset		Page 146 of 257
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	ectrum Analyzer - Swe									_	
L <mark>XI</mark> RL	RF 50 Ω	AC CC	RREC	SEI	ISE:INT	#Avg Typ	e: RMS		HOct 18, 2021	Fr	equency
10 dB/div	Ref 25.00 c	IF	PNO: Fast 🕞 Gain:Low	Trig: Free Atten: 36			Mkr	TYF DE 1 5.780	85 GHz 44 dBm		Auto Tune
15.0				1							enter Freq 5000000 GHz
-5.00				www.	por conservation of the second					5.760	Start Freq 0000000 GHz
-15.0		/					V			5.810	Stop Freq
-35.0	المساور معارمه المراجع والمعالية	man					huston	And production	hours de seguire	5 <u>Auto</u>	CF Step .000000 MHz Man
-55.0										i	F req Offset 0 Hz
-65.0											Scale Type
Center 5. #Res BW	78500 GHz 510 kHz		#VBW	3.0 MHz			Sweep_1	5 Span .000 m <u>s (</u>	0.00 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATUS				

Plot 7-231. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) - Ch. 157)



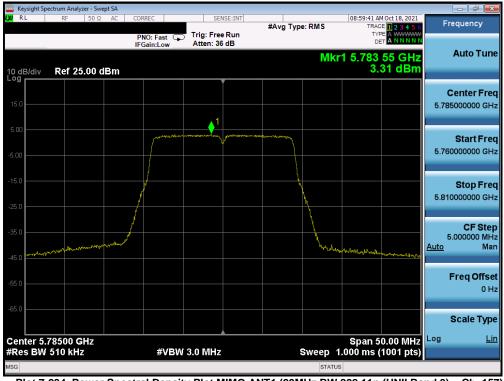
Plot 7-232. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) - Ch. 165)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 147 of 257
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	ctrum Analyzer - Swept SA					
IXI RL	RF 50 Ω AC	CORREC	SENSE:INT	#Avg Type: RMS	08:59:21 AM Oct 18, 2021 TRACE 1 2 3 4 5 6	Frequency
10 dB/div	Ref 25.00 dBm	PNO: Fast 😱 IFGain:Low	Trig: Free Run Atten: 36 dB		1 5.742 35 GHz 3.12 dBm	Auto Tune
15.0			<u> </u>			Center Freq 5.745000000 GHz
-5.00			24-7-8-9-7-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9	manufacture		Start Freq 5.720000000 GHz
-15.0		/				Stop Freq 5.770000000 GHz
-35.0	mun any and a second of the second				Manket Months you wardenews	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0						Freq Offset 0 Hz
-65.0	74500 GHz				Span 50.00 MHz	Scale Type
#Res BW		#VBW	3.0 MHz	Sweep 1	1.000 ms (1001 pts)	
MSG				STATU	S	

Plot 7-233. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)



Plot 7-234. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 148 of 257	
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	ectrum Analyzer - Swe										- 6 <u>×</u>
LXI RL	RF 50 Ω	AC COI	RREC	SEN	ISE:INT	#Avg Typ	e: RMS		Oct 18, 2021	Fre	equency
10 dB/div	Ref 25.00 d	IF	NO: Fast 😱 Gain:Low	Trig: Free Atten: 36				TYP DE 1 5.826			Auto Tune
15.0					1						enter Freq 000000 GHz
-5.00										5.800	Start Freq 000000 GHz
-15.0							4 4 4			5.850	Stop Freq 000000 GHz
-35.0	- Andrew Contraction	and and a second					turnin	at and the second	Marg B. W. Marker and	5. <u>Auto</u>	CF Step 000000 MHz Man
-55.0										F	F req Offset 0 Hz
-65.0											Scale Type
Center 5.8 #Res BW	32500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	Span 5 1.000 ms (0.00 MHz 1001 pts)	Log	Lin
MSG							STATU	S			

Plot 7-235. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)

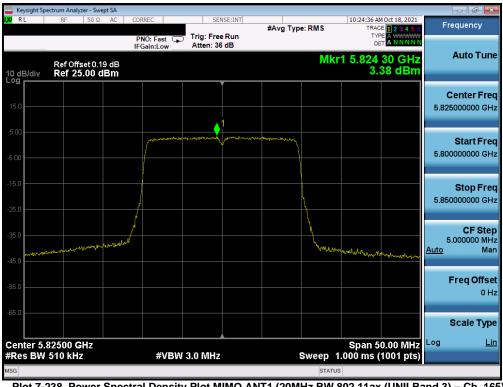


FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 140 of 257
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	ectrum Analyzer - Swe									
LXI RL	RF 50 Ω	AC C	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS		1 Oct 18, 2021 E 1 2 3 4 5 6	Frequency
		I	PNO: Fast 😱 FGain:Low	Trig: Free Atten: 36				TYP		
10 dB/div Log	Ref Offset 0.1 Ref 25.00 c						Mkr	1 5.779 3.3	95 GHz 34 dBm	Auto Tune
15.0				1						Center Freq 5.785000000 GHz
-5.00			(annone	Uner and a second second	,	www.				Start Freq 5.760000000 GHz
-15.0										Stop Freq 5.810000000 GHz
-35.0	الم يعم المعر عليه المعر ال	man					holowy No.	Mummun	and Wedgelow groups	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	78500 GHz 510 kHz		#VBW	3.0 MHz			Sweep_1	Span 5 .000 ms (0.00 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATUS			

Plot 7-237. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) - Ch. 157)



Plot 7-238. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) - Ch. 165)

FCC ID: A3LSMS908JPN	PCTEST* Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 150 of 257
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	ctrum Analyzer - Sw									
LXU RL	RF 50 Ω	AC CO	ORREC	SEN	ISE:INT	#Avg Typ	e: RMS		Oct 18, 2021	Frequency
10 dB/div	Ref Offset 0.1 Ref 25.00 0	I 19 dB	PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36				TYP DE		Auto Tune
15.0										Center Freq 5.755000000 GHz
5.00				1	porting of the second	www.men.m				Start Freq 5.705000000 GHz
-15.0										Stop Freq 5.805000000 GHz
-35.0	engeneted and a magnetic statement	- Mar Marth	/				he how have	non and and and and and and and and and an	magana	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.7 #Res BW	75500 GHz 510 kHz		#VBM	3.0 MHz			Sween_1	Span 1 1.000 ms (00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG			<i>"</i> «Dvi	640 WH12			STATU		noor pits)	

Plot 7-239. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)



Plot 7-240. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dame 151 of 257
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	ectrum Analyzer -									
LXI RL	RF 51	0Ω AC	CORREC		SE:INT	#Avg Typ	e: RMS	TRAC	1 Oct 18, 2021 E 1 2 3 4 5 6	Frequency
	Ref Offset	0 35 dP	PNO: Fast IFGain:Low	Trig: Free Atten: 36			Mk	TYF DE		Auto Tune
10 dB/div Log	Ref 25.0							0.1	15 dBm	
15.0										Center Freq 5.755000000 GHz
-5.00			and a start of the	1- 	piston and public					Start Freq 5.705000000 GHz
-15.0										Stop Freq 5.805000000 GHz
-35.0	Mannamakan	A. Marian - Marian Marian					hopewals	muntelan	manume	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.7 #Res BW	75500 GHz 510 kHz	2	#VBW	3.0 MHz			Sweep_1	Span 1 .000 m <u>s (</u>	00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATUS			

Plot 7-241. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) - Ch. 151)



Plot 7-242. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) - Ch. 159)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 450 at 057	
1M2112100159-07.A3L	9/14/2021 - 11/12/2021	Portable Handset		Page 152 of 257	
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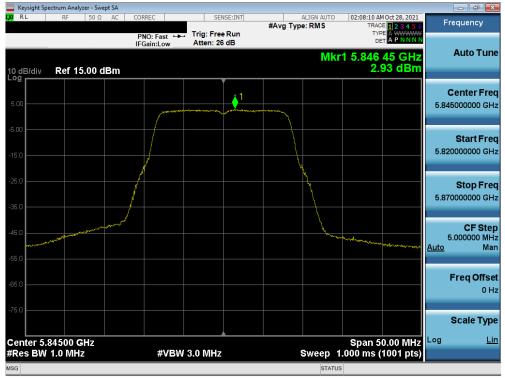
	ectrum Analyzer - S									- 6 -
LX/RL	RF 50	Ω AC	CORREC	SEI	ISE:INT	#Avg Typ	e: RMS	09:32:12 AM TRACE	Oct 18, 2021	Frequency
10 dB/div	Ref Offset 0 Ref 25.00		PNO: Fast IFGain:Low	Trig: Free Atten: 36		• //	M	TYPE DE		Auto Tune
15.0										Center Freq 5.775000000 GHz
-5.00			polerent terreter			manun				Start Freq 5.675000000 GHz
-15.0										Stop Freq 5.875000000 GHz
-35.0		den de grade de la constante					Land Concernence	มีการสารสารสารสารสารสารสารสารสารสารสารสารสา	ay ya y	CF Step 20.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0 Center 5.3	7750 GHz							Snan 2	0.0 MHz	Scale Type
#Res BW			#VBW	/ 3.0 MHz			Sweep	1.000 ms (1	1001 pts)	
MSG							STATU	s		

Plot 7-243. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

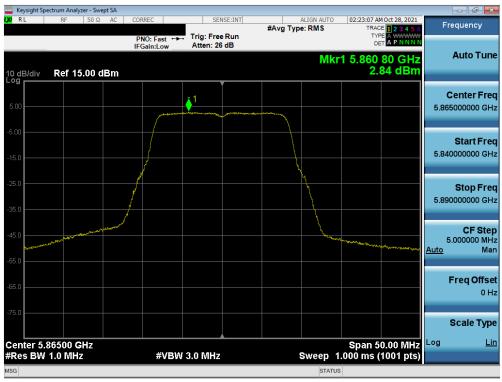


FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-245. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3/4) - Ch. 169)



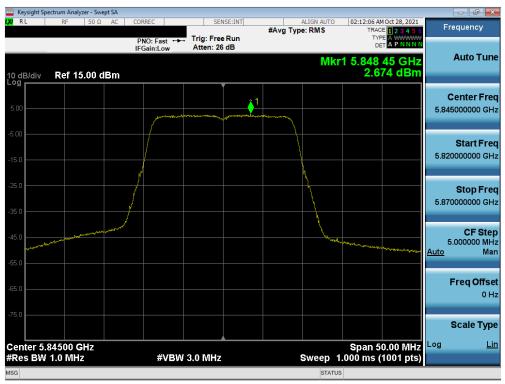
Plot 7-246. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 4) - Ch. 173)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Keysight Spectrum Analyze										7 ×
LXVI R.L RF		RREC		ISE:INT	#Avg Type	ALIGN AUTO e: RMS	TRAC	1 Oct 28, 2021 E 1 2 3 4 5 6	Frequen	су
		NO: Fast ↔ Gain:Low	. Trig: Free Atten: 26							
10 dB/div Ref 15.	.00 dBm					Mkr	1 5.881 3.0	05 GHz 05 dBm	Auto	Tune
5.00			<u>)</u> 1	سور ورود ورود ورود ورود ورود ورود ورود و					Center 5.88500000	
-15.0						h			Star 5.86000000	t Freq 10 GHz
-25.0									Stop 5.91000000	Freq 0 GHz
-45.0	and the second second					A	nother and	مل الموس الرساني الموالي الموال مسالحة الموالي ا	CF 5.00000 <u>Auto</u>	Step 0 MHz Man
-65.0									Freq	Offset 0 Hz
-75.0									Scale	
Center 5.88500 GH #Res BW 1.0 MHz		#VBW	3.0 MHz			Sweep 1	5 Span) 000 ms.		Log	<u>Lin</u>
MSG						STATUS				

Plot 7-247. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 4) - Ch. 177)



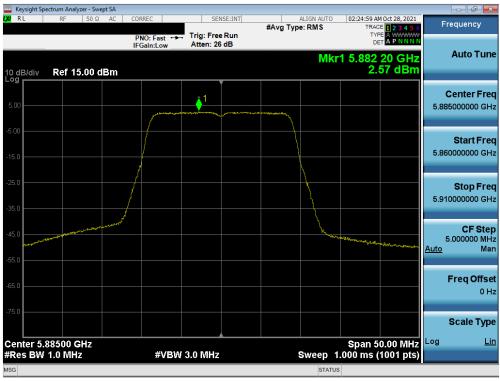
Plot 7-248. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3/4) - Ch. 169)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	MSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 155 of 257	
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	ectrum Analyzer - Sw									
LXI RL	RF 50 Ω	AC CO	RREC	SEN	SE:INT	#Avg Typ	ALIGN AUTO		1 Oct 28, 2021 E 1 2 3 4 5 6	Frequency
10 dB/div	Ref 15.00 c	IF	PNO: Fast ↔ Gain:Low	 Trig: Free Atten: 26 				TYF		Auto Tune
5.00				مراجع والمعارضة والم	<u>1</u>					Center Freq 5.865000000 GHz
-5.00										Start Freq 5.840000000 GHz
-25.0										Stop Freq 5.89000000 GHz
-45.0	and a freedom and a solution	and the second						good and the second	Vransform and for the former flow	CF Step 5.000000 MHz <u>Auto</u> Man
-65.0										Freq Offset 0 Hz
-75.0										Scale Type
Center 5.8 #Res BW	36500 GHz		#\/B\A	/ 3.0 MHz			Sween	5 Span) Span 1.000 ms	0.00 191112	Log <u>Lin</u>
MSG	TAV IVITIZ		#VDV	5.0 10112			Sweep	`	roo i pisj	
130							STATU	5		

Plot 7-249. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 4) - Ch. 173)



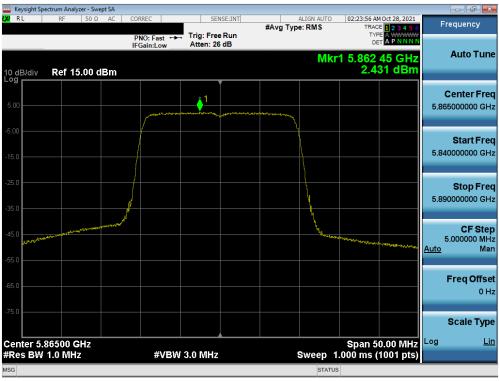
Plot 7-250. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 4) - Ch. 177)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 156 of 257
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	trum Analyzer - Swept									
LXI RL	RF 50 Ω	AC CORREC	C	SEN	SE:INT	#Avg Typ	ALIGN AUTO e: RMS		HOct 28, 2021	Frequency
10 dB/div	Ref 15.00 dB	IFGair	Fast ↔ n:Low	Trig: Free Atten: 26		C <i>J</i> .		TYF DE 1 5.843	75 GHz 85 dBm	Auto Tune
5.00		مر	and the second	<u></u> 1	and a start of the	Anger the second second				Center Freq 5.845000000 GHz
-5.00										Start Freq 5.820000000 GHz
-25.0		, ,								Stop Freq 5.870000000 GHz
-45.0	former descent for any many many many	Aansanne					J. marco	Rylownym Branne	make all and a second	CF Step 5.000000 MHz <u>Auto</u> Man
-65.0										Freq Offset 0 Hz
-75.0 Center 5.8	4500 GHz							Snan 5	0.00 MHz	Scale Type
#Res BW 1			#VBW	3.0 MHz			Sweep 1	.000 ms (1001 pts)	
MSG							STATUS			

Plot 7-251. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3/4) - Ch. 169)



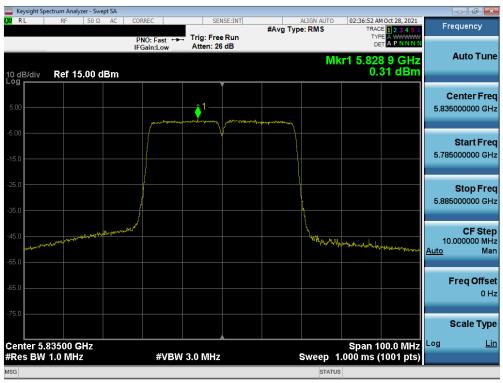
Plot 7-252. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 4) - Ch. 173)

FCC ID: A3LSMS908JPN	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	IG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dage 457 of 257	
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	ctrum Analyzer - Swep									
LXI RL	RF 50 Ω	AC CORR	EC		ISE:INT	#Avg Type	ALIGN AUTO e: RMS	TRAC	1 Oct 28, 2021 E 1 2 3 4 5 6	Frequency
			D: Fast ↔	. Trig: Free Atten: 26						
10 dB/div Log	Ref 15.00 d	Bm					Mkr	1 5.888 2.	75 GHz 65 dBm	Auto Tui
5.00		/	profession	for and the second	, 	1				Center Fre 5.885000000 Gi
-5.00										Start Fre 5.860000000 GI
-25.0		ſ								Stop Fro 5.910000000 Gi
-45.0	wangharan anna	and and a second					17 5500	and a start and a start and a start a s	mmannande	CF Ste 5.000000 MI <u>Auto</u> Mi
-65.0										Freq Offs 0 I
-75.0										Scale Typ
Center 5.8 #Res BW	88500 GHz 1.0 MHz		#VBW	/ 3.0 MHz			Sweep 1	5 Span .000 ms .	0.00 MHz 1001 pts)	Log <u>L</u>
MSG							STATUS			

Plot 7-253. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 4) - Ch. 177)



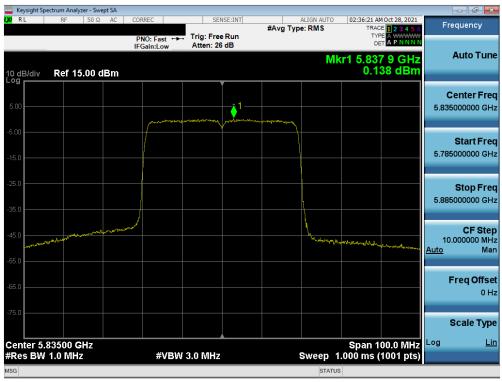
Plot 7-254. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3/4) - Ch. 167)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dege 159 of 257
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	ctrum Analyzer - Swept								
LXI RL	RF 50 Ω	AC CORREC	SEI	NSE:INT	#Avg Typ	ALIGN AUTO e: RMS		Oct 28, 2021	Frequency
		PNO: Fa IFGain:L			- //	Mk	TYP		Auto Tune
10 dB/div Log	Ref 15.00 dE	3m					0.20	01 dBm	
									Center Freq
5.00		معر		, and the second					5.875000000 GHz
-5.00				V					Start Freq
-15.0									5.825000000 GHz
-25.0									Stop Freq
-35.0									5.925000000 GHz
-45.0	and the second second second	and the second second				Lu.			CF Step
aburan	and and and a second					Mar Marcharton	therestation	et legel	10.000000 MHz <u>Auto</u> Man
-55.0									Ener Offerst
-65.0									Freq Offset 0 Hz
-75.0									Seele Tree
									Scale Type
Center 5.8 #Res BW	87500 GHz 1.0 MHz	#	VBW 3.0 MHz			Sweep 1	Span 10 ') 000 ms.	00.0 IVII 12	Log <u>Lin</u>
MSG						STATUS	· · · · · · · · · · · · · · · · · · ·		

Plot 7-255. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 4) - Ch. 175)



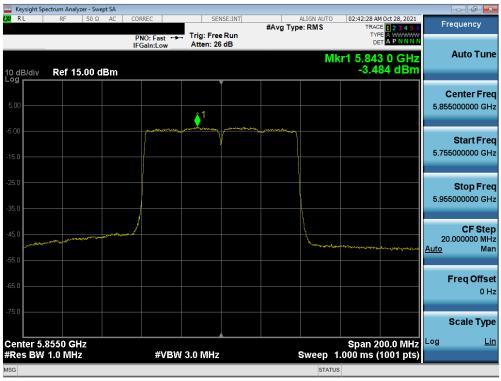
Plot 7-256. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3/4) - Ch. 167)

FCC ID: A3LSMS908JPN	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 150 of 257
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	ectrum Analyzer - Swept S					
LXI RL	RF 50 Ω 4	AC CORREC	SENSE:INT	ALIGN AUTO #Avg Type: RMS	02:37:57 AM Oct 28, 2021 TRACE 1 2 3 4 5 6	Frequency
		PNO: Fast ↔ IFGain:Low	 Trig: Free Run Atten: 26 dB 	MI	TYPE A WWWW DET A P N N N N Kr1 5.867 3 GHz	Auto Tune
10 dB/div Log	Ref 15.00 dB	m			0.24 dBm	
5.00			<u>_</u> 1			Center Freq 5.875000000 GHz
-5.00		promotion	- Appendix and the model	- Jan		
-15.0						Start Freq 5.825000000 GHz
-25.0						Stop Freq 5.925000000 GHz
45.0	wood and a second and a second	lan saran ar		munum	uning and The forther and the	CF Step 10.000000 MHz
-55.0						<u>Auto</u> Man
-65.0						Freq Offset 0 Hz
-75.0						Scale Type
	87500 GHz				Span roo.o winz	Log <u>Lin</u>
#Res BW	1.0 MHz	#VBV	/ 3.0 MHz		.000 ms (1001 pts)	
MSG				STATU	S	

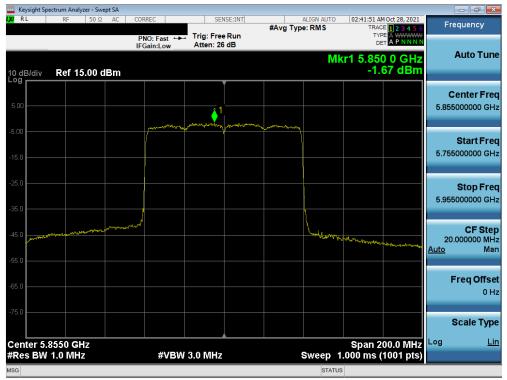
Plot 7-257. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 4) - Ch. 175)



Plot 7-258. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3/4) - Ch. 171)

FCC ID: A3LSMS908JPN	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	UNG	Approved by: Technical Manager
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Plot 7-259. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 3/4) - Ch. 171)



Plot 7-260. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 3/4) - Ch. 163)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 161 of 257
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Plot 7-261. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (UNII Band 3/4) - Ch. 163)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 162 of 257
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02:28:44 PM Oct 15, 2021 #Avg Type: RMS Frequency TRACE 1 2 3 4 5 Trig: Free Run тура PNO: Fast 😱 Atten: 36 dB IEC Mkr1 5.175 90 GHz 6.44 dBm Auto Tune Ref 25.00 dBm 10 dB/div Log **Center Freq** 5.18000000 GHz ▲1 Start Freq 5.155000000 GHz Stop Freq 5.205000000 GHz theman **CF** Step 5.000000 MHz <u>Auto</u> **Freq Offset** Scale Type Center 5.18000 GHz #Res BW 1.0 MHz Log Span 50.00 MHz

#VBW 3.0 MHz

MIMO Antenna-2 Power Spectral Density Measurements

Plot 7-262. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) - Ch. 36)

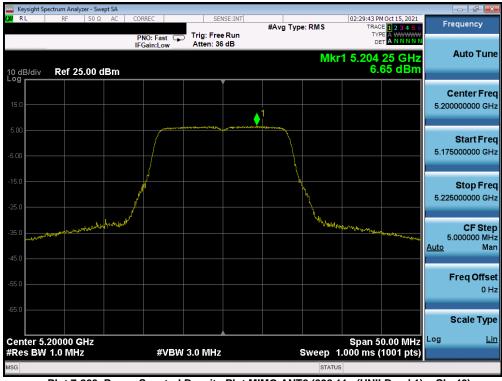
Sweep 1.000 ms (1001 pts)

STATU

Man

0 Hz

Lin



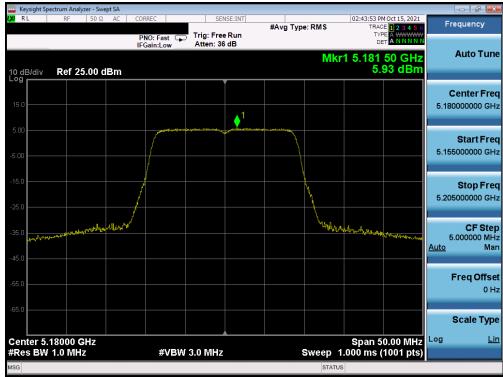
Plot 7-263. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) - Ch. 40)

FCC ID: A3LSMS908JPN	PCTEST* Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 162 of 257
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	ectrum Analyzer - Sv	vept SA									d ×
LXU RL	RF 50 S		PNO: Fast			#Avg Typ	e: RMS	TRAC	M Oct 15, 2021 CE 1 2 3 4 5 6 PE A WWWWW FT A N N N N N	Freque	ncy
10 dB/div	Ref 25.00		IFGain:Low	Atten: 36	αB		Mkr	1 5.245	15 GHz 69 dBm	Auto	o Tune
15.0						↓ 1				Cento 5.2400000	e r Fre o 000 GH
-5.00				an faith foi summer ann an	and the second second					Sta 5.2150000	rt Fre
-15.0			/			\	No.			Sto 5.2650000	p Fre 000 GH
35.0 	men dy work on North	www.					Wayer.	whyny ag the second	and a stand and a stand	5.0000 <u>Auto</u>	F Ste 100 MH Ma
55.0										Freq	Offse 0 H
-65.0											е Тур
Center 5.2 #Res BW	24000 GHz 1.0 MHz		#VB	N 3.0 MHz			Sweep 1	Span 5 000 ms 0	0.00 MHz (1001 pts)	Log	Lii
ISG							STATU	3			

Plot 7-264. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) - Ch. 48)



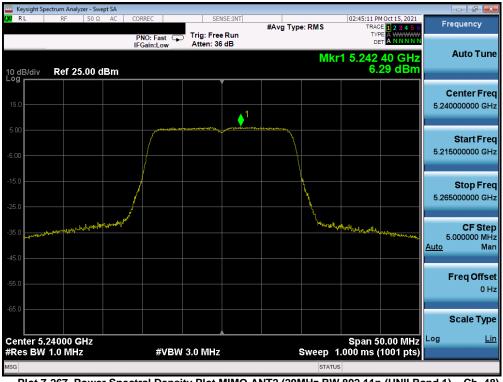
Plot 7-265. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe										
LXI RL	RF 50 Ω	AC COI	RREC	SEI	ISE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Frequ	uency
	Ref 25.00 d	IF	NO: Fast 🕞 Gain:Low	Trig: Free Atten: 36				TYF DE 1 5.197	05 GHz 37 dBm	Αι	uto Tune
10 dB/div Log 15.0	Kei 23.00 u		Martin Strategy	1	Just & Marray Just	Markage and Markage and					n ter Freq 0000 GHz
-5.00											t art Freq 0000 GHz
-15.0		المر					h h				top Freq 0000 GHz
-35.0	non and a start	aleration of the					Nation of States	Varan Nephra Varana	Marinevelleywhye		CF Step 0000 MHz Man
-55.0										Fre	e q Offset 0 Hz
										Sc	ale Type
Center 5.: #Res BW	20000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 5 .000 ms (0.00 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATU	5			

Plot 7-266. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)



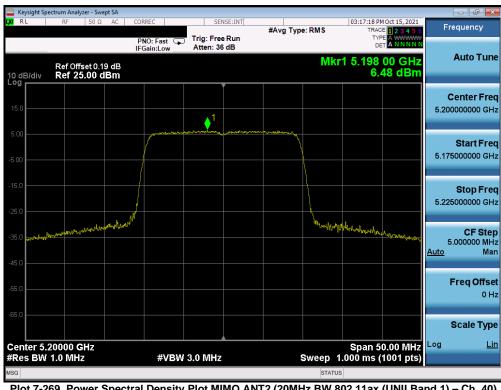
Plot 7-267. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 165 of 257
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	ectrum Analyzer - Swe	•								
LXI RL	RF 50 Ω	AC C	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Frequency
10 dB/div	Ref Offset 0.1 Ref 25.00 d	ı 9 dB	PNO: Fast 😱 FGain:Low	Trig: Free Atten: 36		0 ,		TYF DE 1 5.184	85 GHz 39 dBm	Auto Tune
	Kei 23.00 u					1				Center Freq 5.18000000 GHz
-5.00				<u>ᠾ</u> ৵ৢঢ়৽ঀৣৣ৶ঀ৾ৣ৻৻৶৶৽৶৻৻৻৻৽	an a					Start Freq 5.155000000 GHz
-15.0										Stop Freq 5.205000000 GHz
-35.0	maniferenteril	Wath					****néythy	havin han an	And in further of the	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0	18000 GHz							Snan 5	0.00 MHz	Scale Type
#Res BW			#VBW	3.0 MHz			Sweep 1	.000 ms (1001 pts)	
MSG							STATUS			

Plot 7-268. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) - Ch. 36)



Plot 7-269. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) - Ch. 40)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dama 400 af 057	
1M2112100159-07.A3L	9/14/2021 - 11/12/2021	Portable Handset		Page 166 of 257	
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	ectrum Analyzer - Sw									
L <mark>XI</mark> RL	RF 50 Ω	AC	CORREC	SEI	NSE:INT	#Avg Typ	e: RMS		MOct 15, 2021	Frequency
	Ref Offset 0.1		PNO: Fast (IFGain:Low	Trig: Free Atten: 36				1 5.238	50 GHz	Auto Tune
10 dB/div Log	Ref 25.00 (d B m						6.	47 dBm	
15.0				1						Center Freq 5.240000000 GHz
-5.00					and the second sec					Start Freq 5.215000000 GHz
-15.0										Stop Freq 5.265000000 GHz
-35.0	monthomphateenant	work _w alkenter					Marilen Av	ahiriyaan waxaa	hala Lakata afan	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offse 0 Ha
-65.0										Scale Type
Center 5.: #Res BW	24000 GHz 1.0 MHz		# <u>VB</u>	W 3.0 MHz			Sweep_1	Span 5 .000 m <u>s (</u>	0.00 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATUS			

Plot 7-270. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) - Ch. 48)



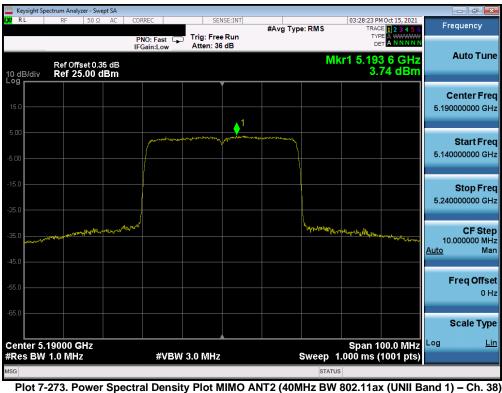
Plot 7-271. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) - Ch. 38)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe										
LXU RL	RF 50 Ω	AC C	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Freque	ency
10 dB/div	Ref Offset 0.1 Ref 25.00 d	ا 9 dB	PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36				TYF DE (r1 5.23)		Aut	to Tune
15.0					1					Cent 5.230000	t er Freq 000 GHz
-5.00										St a 5.180000	a rt Freq 000 GHz
-15.0										St e 5.280000	o p Freq 000 GHz
-35.0	Anter and A	Charle Martin Partie	of				Yuhrwhanger	Malun wething	Walantan		C F Step 000 MHz Man
-55.0										Free	q Offset 0 Hz
-65.0											le Type
Center 5. #Res BW	23000 GHz 1.0 MHz		#VBM	3.0 MHz			Sweep_1	Span 1 .000 ms (00.0 MHz 1001 pts)	Log	Lin
MSG							STATUS				

Plot 7-272. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)



FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe									
LX/IRL	RF 50 Ω	AC CO	RREC	SEI	NSE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Frequency
10 dB/div	Ref Offset 0.3 Ref 25.00 d	IF 85 dB	PNO: Fast 🕞 Gain:Low	Trig: Free Atten: 36			Mk	TYF DE (r1 5.23 4	4 7 GHz 71 dBm	Auto Tune
15.0					1					Center Freq 5.23000000 GHz
-5.00				an a	of white and	the main shares				Start Freq 5.180000000 GHz
-15.0										Stop Freq 5.28000000 GHz
-35.0	nontrate with the	and the second second					hat with the reported	nharmanttheaser.	ganal frank showing	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0								0	00.0 8411	Scale Type
Center 5. #Res BW	23000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	5pan 1 .000 ms (00.0 MHz 1001 pts)	
MSG							STATUS			

Plot 7-274. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 1) - Ch. 46)



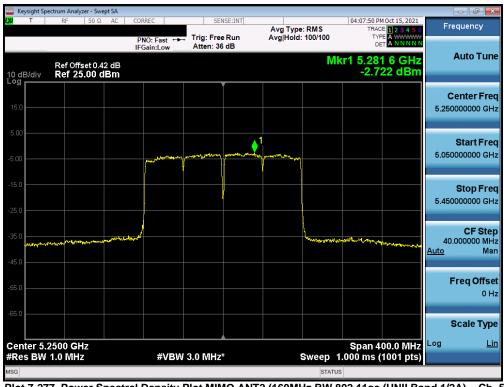
Plot 7-275. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) - Ch. 42)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyz												×
X/RL	RF	50 Ω	AC (ORREC		SEN	ISE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Frequency	y
10 dB/div	Ref Offs Ref 25		dB	PNO: Fast IFGain:Lov		ig: Free tten: 36				۲۲ ۱ kr1 5.21		Auto T	une
15.0												Center 5.210000000	
-5.00				p	error and the	*20,00-04k	1	and the second second				Start I 5.110000000	
-15.0												Stop I 5.310000000	
-35.0	hadden an an and an and and an		Sard Safet Ales						Mary way way	and and an and a second and a	gh fran g a handen	CF \$ 20.000000 <u>Auto</u>	
-55.0												Freq Of	ffse 0 Hi
-65.0 Center 5.2	2100 GH	7								Snap 2	200.0 MHz	Scale T	Гуре <u>Lir</u>
#Res BW				#V	BW 3.0	MHz			Sweep	1.000 ms ((1001 pts)		
MSG									STAT				_

Plot 7-276. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 1) - Ch. 42)



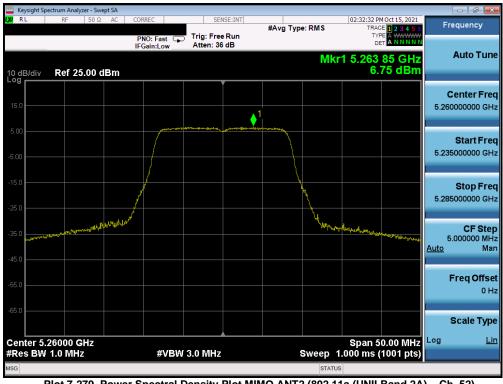
Plot 7-277. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 1/2A) - Ch. 50)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 170 of 257
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🔤 Keysig		n Analyzer - Sw									-	×
l XI T	F F	RF 50 Ω	AC	CORREC	SE	NSE:INT		RMS		E 1 2 3 4 5 6	Frequency	y
				PNO: Fast ← IFGain:Low	 Trig: Fre Atten: 3 		Avg Hold	: 100/100	TYP		Auto T	une
10 dB/c		of Offset 0.3 of 25.00 (•			-2.4	04 dBm		
											Center	
15.0											5.250000000	GHz
5.00 —											Start F	
-5.00 —				and the second	al your strategy or the or		grown program and				5.05000000	GHz
-15.0											Stop F	
-25.0											5.45000000	GHz
-35.0								k	A.H. Carrow Contraction		CFS	
-45.0	- Andrewsky	-tractify-generative						I Contract Larray	And the second second	-with a free and a second	40.000000 <u>Auto</u>	MHz Man
-55.0											Freq Of	
												0 Hz
-65.0											Scale T	Гуре
	r 5.250								Span 4	00.0 MHz	Log	Lin
	BW 1.0	MHz		#VB	W 3.0 MHz	*			.000 ms (1001 pts)		
MSG								STATUS	6			

Plot 7-278. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 1/2A) - Ch. 50)



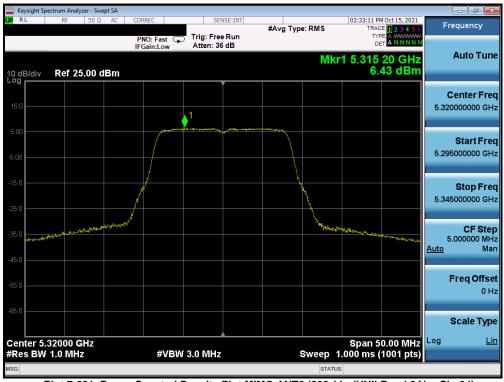
Plot 7-279. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) - Ch. 52)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 171 of 057
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	ectrum Analyzer - Swe									
L <mark>XI</mark> RL	RF 50 Ω	AC CC	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS	TRAC	HOct 15, 2021	Frequency
10 dB/div	Ref 25.00 d	IF	PNO: Fast 🕞 Gain:Low	Trig: Free Atten: 36			Mkr	1 5.284	95 GHz 71 dBm	Auto Tune
15.0						↓ ¹				Center Freq 5.280000000 GHz
-5.00				naturi	and a start of the					Start Freq 5.255000000 GHz
-15.0		/	4			<u>ار</u>	h, L			Stop Freq 5.305000000 GHz
-35.0	Where why drawn or a with a se	Willebound					Workson	north which you have	Capatry Harrison and price	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	28000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 5 .000 ms (0.00 MHz 1001 pts)	
MSG							STATU	5		

Plot 7-280. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) - Ch. 56)



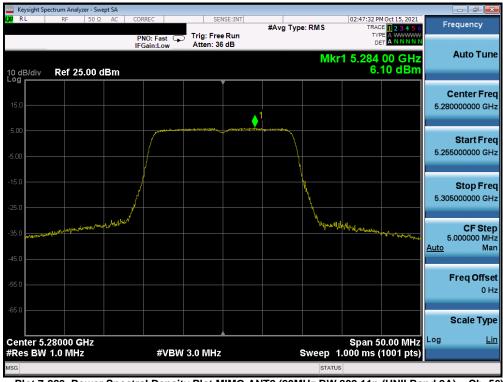
Plot 7-281. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) - Ch. 64)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 172 of 257
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	ectrum Analyzer - Swept									
(XV) RL	RF 50 Ω	AC CORRI	EC		ISE:INT	#Avg Typ	e: RMS	TRAC	M Oct 15, 2021 DE 1 2 3 4 5 6	Frequency
10 dB/div	Ref 25.00 dB	IFGa): Fast ⊊ iin:Low	Trig: Free Atten: 36			Mkı	DE 1 5.258	00 GHz 11 dBm	Auto Tune
15.0				↓1						Center Freq 5.260000000 GHz
-5.00					and set in a set of the set of th					Start Freq 5.235000000 GHz
-15.0										Stop Freq 5.285000000 GHz
-35.0	مىلى روانى مەلىكى ئىرىكى بىرۇنىيى مەلىكى ئىرىكى بىرۇنىيى مەلىكى ئىرىكى بىرۇنىيى بىرى	ender for the					John Millele	the former of the second	and the second second	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.2 #Res BW	26000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Span 5 1.000 ms (0.00 MHz (1001 pts)	
MSG							STATU	s		

Plot 7-282. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) - Ch. 52)



Plot 7-283. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMS908JPN	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: Test Dates:		EUT Type:	Dage 172 of 257
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	ectrum Analyzer - Swe										
LXVI RL	RF 50 Ω	AC CC	DRREC	SEI	ISE:INT	#Avg Typ	e: RMS	TRAC	HOct 15, 2021	Fr	equency
10 dB/div	Ref 25.00 d	IF	PNO: Fast 🕞	Trig: Free Atten: 36			Mkr	1 5.324	45 GHz 06 dBm		Auto Tune
15.0						1					enter Freq 0000000 GHz
-5.00					and an and a second					5.295	Start Freq 5000000 GHz
-15.0		_/								5.345	Stop Freq 5000000 GHz
-35.0	and a stand and	Withkenner					hand the second	under all all and a	apole and and	5 <u>Auto</u>	CF Step .000000 MHz Man
-55.0										F	F req Offset 0 Hz
-65.0	22000 00-							Onon-f	0.00 844	tog	Scale Type Lin
	enter 5.32000 GHz Span 50.00 MHz Sweep 1.000 ms (1001 pts)										
MSG							STATUS	3			

Plot 7-284. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) - Ch. 64)



FCC ID: A3LSMS908JPN	PCTEST° Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe									
LXI RL	RF 50 Ω	AC C	ORREC	SEN	ISE:INT	#Avg Type	e: RMS		HOct 15, 2021	Frequency
			PNO: Fast 😱 FGain:Low	Trig: Free Atten: 36				TYF DE		Auto Tune
10 dB/div Log	Ref Offset 0.1 Ref 25.00 c						MK	1 5.282	70 GHz 48 dBm	
15.0										Center Freq 5.28000000 GHz
5.00			- 100-040-0	an a	1	and the state of t				5.28000000 GH2
										Start Freq 5.255000000 GHz
-5.00			1							
-15.0		,								Stop Freq 5.305000000 GHz
-25.0	munulany	whether all all					Marthon 1.2	nthemarkum.	Marsonan	CF Step
-45.0										5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset
-65.0										0 Hz
-03.0										Scale Type
Center 5.: #Res BW	28000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 5 .000 m <u>s (</u>	0.00 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATUS			

Plot 7-286. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) - Ch. 56)



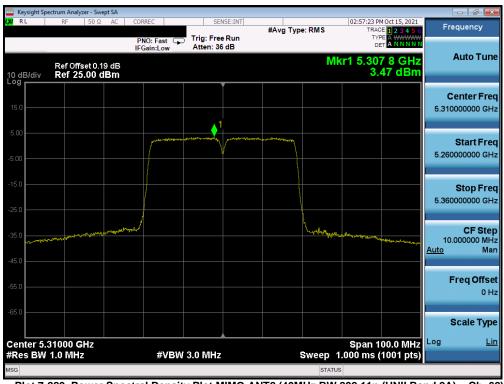
Plot 7-287. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) - Ch. 64)

FCC ID: A3LSMS908JPN	PCTEST Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	AMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 175 of 257
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	ectrum Analyzer - Swe									
LXI RL	RF 50 Ω	AC CO	RREC	SEN	ISE:INT	#Avg Typ	e: RMS		M Oct 15, 2021 DE 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 0.1 Ref 25.00 d	IF 9 dB	NO: Fast 🕞 Gain:Low	Trig: Free Atten: 36				۳۵ kr1 5.27	6 5 GHz 38 dBm	Auto Tur
15.0					1					Center Fre 5.270000000 GH
-5.00						And the second				Start Fre 5.220000000 GH
-15.0										Stop Fre 5.32000000 GF
-35.0	ntransformetigenetic	Montriman Jean of					Verenour		Wyshithaterson	CF Ste 10.000000 MH <u>Auto</u> Ma
-55.0										Freq Offs 0 H
-65.0										Scale Typ
Center 5.: #Res BW	27000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Span 1 1.000 ms (00.0 MHz (1001 pts)	Log <u>L</u>
MSG							STATU	IS		

Plot 7-288. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) - Ch. 54)



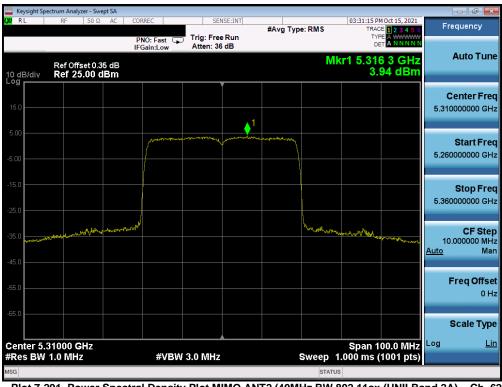
Plot 7-289. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) - Ch. 62)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: Test Dates:		EUT Type:	Dame 176 of 257
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	ectrum Analyzer - Swe	ept SA								
LXI RL	RF 50 Ω	AC C	ORREC	SEN	ISE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Frequency
	Ref Offset 0.3	I 85 dB	PNO: Fast 😱 FGain:Low	Trig: Free Atten: 36				TYF DE (r1 5.27	3 2 GHz 63 dBm	Auto Tune
10 dB/div Log	Ref 25.00 d	1Bm						J.	os ubili	
15.0					1					Center Freq 5.270000000 GHz
-5.00				and and an and and and and and and and a	, and women and	hrytone/sonnations				Start Freq 5.220000000 GHz
-15.0										Stop Freq 5.320000000 GHz
-35.0	wron apartylist algo	and the form and the second					hundrightymin	mundudhum.	her	CF Step 10.000000 MHz <u>Auto</u> Man
-45.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	27000 GHz		#\/B)A	3.0 MHz			Sween 1	Span 1	00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG			<i></i>	0.0 191112			STATUS	`	roo r pisj	

Plot 7-290. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) - Ch. 54)



Plot 7-291. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) - Ch. 62)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyzer - Sw									-	- • •
LXI RL	RF 50 Ω	AC CO	DRREC	SEN	SE:INT	#Avg Typ	e RMS		Oct 15, 2021	Freq	uency
10 dB/div	Ref Offset 0. Ref 25.00	ו 34 dB	PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36				TYP DE		A	uto Tune
15.0											n ter Freq 00000 GHz
-5.00				and the second sec		um man					tart Freq 00000 GHz
-15.0											top Freq 00000 GHz
-35.0	ngrafendar - magnar - mand	an a	}				-	and the second second	ghetro-sysnessons	20.00 <u>Auto</u>	CF Step 00000 MHz Man
-55.0										Fr	e q Offset 0 Hz
-65.0											ale Type
Center 5. #Res BW	2900 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Span 2 1.000 ms (00.0 MHz 1001 pts)	Log	Lin
MSG							STATU	s			

Plot 7-292. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) - Ch. 58)



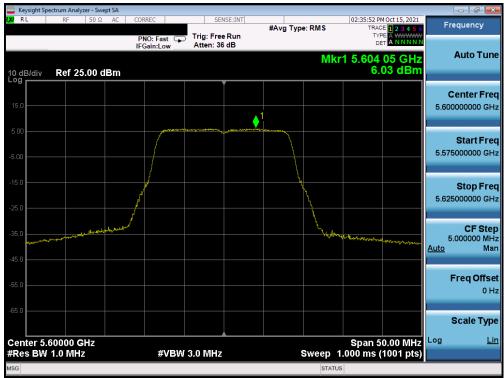
Plot 7-293. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2A) - Ch. 58)

FCC ID: A3LSMS908JPN	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	MSUNG	Approved by: Technical Manager
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Keysight Spectrum Ana						
XIRL RF	50 Ω AC	CORREC PNO: Fast	SENSE:INT Trig: Free Run Atten: 36 dB	#Avg Type: RMS	02:34:36 PM Oct 15, 2021 TRACE 1 2 3 4 5 6 TYPE A WWWW DET A N N N N N	Frequency
10 dB/div Ref 2	25.00 dBm	IFGain:Low	Atten: 00 dB	M	r1 5.503 75 GHz 5.98 dBm	Auto Tun
15.0				1		Center Free 5.500000000 GH
5.00			tade local diffe			Start Fre 5.475000000 GH
-15.0		part of the second s		- Why		Stop Fre 5.525000000 GH
35.0	Management and a stranger description			\	the and the standard and	CF Ste 5.000000 MH <u>Auto</u> Ma
55.0						Freq Offse 0 ⊦
-65.0 Center 5.50000	GHz				Span 50.00 MHz	Scale Typ
Res BW 1.0 Mi		#VBW	3.0 MHz	Sweep	1.000 ms (1001 pts)	
ISG				STAT	US	

Plot 7-294. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) - Ch. 100)



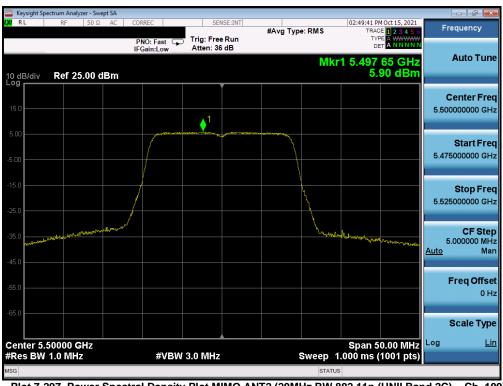
Plot 7-295. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) - Ch. 120)

FCC ID: A3LSMS908JPN	PCTEST* Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 170 of 257
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	ectrum Analyzer - Swej	pt SA									
LX/RL	RF 50 Ω	AC COR	REC	SEN	ISE:INT	#Avg Typ	e: RMS	02:37:02 PI TRAC	M Oct 15, 2021	Fr	equency
		PN IFG	IO: Fast 🕞 ain:Low	Trig: Free Atten: 36				TYF DE 1 5.715			Auto Tune
10 dB/div Log	Ref 25.00 d	Bm						6.	95 dBm		
15.0				↓ ¹							Center Freq 0000000 GHz
-5.00				รที่เป็นที่สูงสูงสารที่สุดิมาก	and a second second					5.69	Start Freq
-15.0		and the second sec	<u>}</u>				NA N			5.74	Stop Freq 5000000 GHz
-35.0	Warn person of the Parce	Nortfilling					When	<u>\i</u> hi, <mark>nt≈nt</mark> iony	and the second	5 <u>Auto</u>	CF Step .000000 MHz Man
-55.0											Freq Offset 0 Hz
-65.0											Scale Type
Center 5.7 #Res BW	72000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 5 .000 ms (0.00 MHz 1001 pts)	Log	Lin
MSG							STATUS	6			

Plot 7-296. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) - Ch. 144)



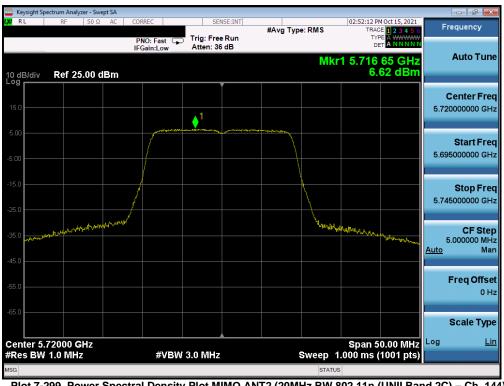
Plot 7-297. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 100)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 100 of 257
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	ectrum Analyzer - Sw									_	
LX/RL	RF 50 Ω	AC C	ORREC	SEI	NSE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Fre	equency
10 dB/div	Ref 25.00 c	I	PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36				TYF DE 1 5.601	35 GHz 28 dBm		Auto Tune
15.0					↓ 1						enter Freq 000000 GHz
-5.00					- and fairs - carrier					5.575	Start Freq 000000 GHz
-15.0		/								5.625	Stop Freq 000000 GHz
-35.0	ustall & Antoneoustan	harrol march					me wald	adul wavanan	Walkerway	5. <u>Auto</u>	CF Step 000000 MHz Man
-55.0										F	F req Offset 0 Hz
-65.0										tog	Scale Type <u>Lin</u>
Center 5. #Res BW	60000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	span 5 .000 ms (0.00 MHz (1001 pts)	209	<u>E111</u>
MSG							STATUS	6			

Plot 7-298. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 120)



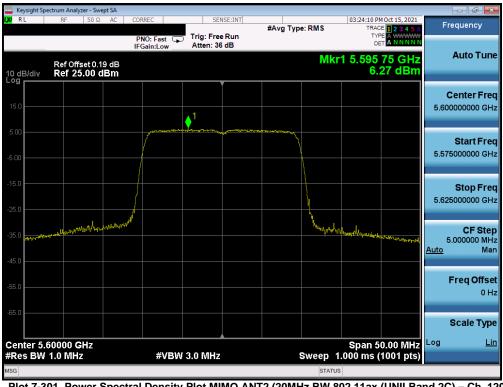
Plot 7-299. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 144)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dama 404 at 057
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	ectrum Analyze											
LX/RL	RF	50 Ω	AC (ORREC		SEI	SE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Frequency
				PNO: Fa IFGain:L		Trig: Free Atten: 36		• ,		TYF DE		Auto Tune
10 dB/div Log	Ref Offse Ref 25.								MK	1 5.504 6.	40 GHz 11 dBm	
15.0												Center Freq 5.50000000 GHz
5.00					1			∮ 1				5.50000000 GHZ
				1		in the second		A CONTRACTOR				Start Freq 5.475000000 GHz
-5.00				1								3.473000000 8112
-15.0												Stop Freq 5.525000000 GHz
	when	ant Mary Mary-	manna						Mushin Mu	14 Maryly and		CF Step
-45.0											and the second second	5.000000 MHz <u>Auto</u> Man
												Freq Offset
-55.0												0 Hz
-65.0												Scale Type
Center 5.: #Res BW		Iz			έν Βιλί	3.0 MHz			Sween_1	Span 5	0.00 MHz (1001 pts)	Log <u>Lin</u>
MSG						0.0 10112			STATUS		roor pts)	

Plot 7-300. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) - Ch. 100)



Plot 7-301. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) - Ch. 120)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyzer - Swe									
LXI RL	RF 50 Ω	AC (CORREC	SEN	ISE:INT	#Avg Type	: RMS		1 Oct 15, 2021 E 1 2 3 4 5 6	Frequency
10 dB/div	Ref Offset 0.1 Ref 25.00 d	9 dB	PNO: Fast IFGain:Low	Trig: Free Atten: 36			Mkr	□≡ 1 5.718	80 GHz 99 dBm	Auto Tune
15.0				^1						Center Free 5.720000000 GH:
-5.00										Start Free 5.695000000 GH:
-15.0										Stop Fred 5.745000000 GH
-35.0 4	an and a start of the start of	¢v¦hl¥vh[N¶°					" What had had	Multimony	h hall for the second	CF Step 5.000000 MH: <u>Auto</u> Mar
-55.0										Freq Offse 0 H:
-65.0 Center 5.3	72000 GHz							Span 5	0.00 MHz	Scale Type
#Res BW	1.0 MHz		#VBW	3.0 MHz		\$	Sweep 1	.000 ms (1001 pts)	
MSG							STATUS			

Plot 7-302. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) - Ch. 144)

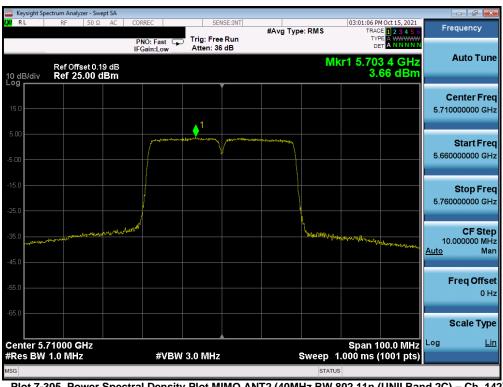


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	ectrum Analyzer - Swe										
LXI RL	RF 50 Ω	AC C	ORREC	SEN	ISE:INT	#Avg Typ	e RMS		Oct 15, 2021	Free	quency
10 dB/div	Ref Offset 0.1 Ref 25.00 d	ı 9 dB	PNO: Fast ⊊ FGain:Low	Trig: Free Atten: 36				kr1 5.59	06 4 GHz .83 dBm	ļ	Auto Tune
15.0					. 1						e nter Freq 000000 GHz
-5.00											Start Freq 000000 GHz
-15.0											Stop Freq 000000 GHz
-35.0	ery-scherer and an and a scherer and a sc	mappendual					Lout warne	Annonin	and a stand and	10.0 <u>Auto</u>	CF Step 000000 MHz Man
-55.0										Fi	r eq Offset 0 Hz
-65.0											cale Type
Center 5. #Res BW	59000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Span ′ 1.000 ms	100.0 MHz (1001 pts)	Log	Lin
MSG							STATU	S			

Plot 7-304. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) - Ch. 118)



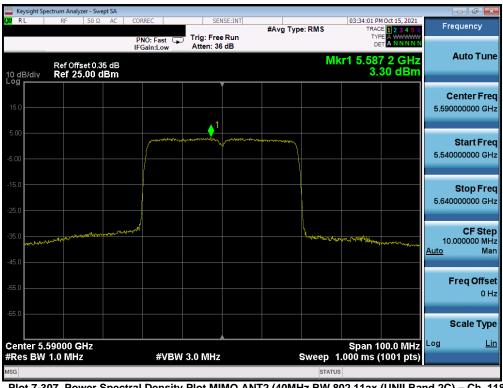
Plot 7-305. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) - Ch. 142)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - S									
LX/RL	RF 50	ΩAC	CORREC	SEI	SE:INT	#Avg Typ	e: RMS		I Oct 15, 2021	Frequency
10 dB/div	Ref Offset 0 Ref 25.00		PNO: Fast IFGain:Low	Trig: Free Atten: 36				TYF DE kr1 5.51		Auto Tune
					. 1					Center Freq 5.51000000 GHz
-5.00				an the second second		administration of				Start Freq 5.460000000 GHz
-15.0										Stop Freq 5.56000000 GHz
-35.0	under the states	the age of the second s					1 - MARCINA	and the state of the	4~17 <u>~46</u> *~}}~ert-6	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.: #Res BW	51000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep ′	Span 1 1.000 ms	00.0 MHz 1001 pts)	
MSG							STATU			

Plot 7-306. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 102)



Plot 7-307. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 118)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 195 of 257
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	ectrum Analyzer - Swe									
LX/RL	RF 50 Ω	AC CO	RREC	SEI	SE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Frequency
	Ref Offset 0.3	IF 85 dB	PNO: Fast 😱 Gain:Low	Trig: Free Atten: 36				r1 5.71	4 1 GHz 92 dBm	Auto Tune
10 dB/div Log	Ref 25.00 d	1Bm					1	<u>ى</u>	92 abm	
15.0					1					Center Freq 5.710000000 GHz
-5.00				- mar and a second	per en	and the second				Start Freq 5.66000000 GHz
-15.0										Stop Freq 5.760000000 GHz
-35.0	were and the second of the second	andronanis					Wildyngriwynwy	rama Hallery	aparalafficianasta	CF Step 10.000000 MHz <u>Auto</u> Mar
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.7 #Res BW	71000 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	Span 1 .000 ms (00.0 MHz (1001 pts)	Log <u>Lin</u>
MSG							STATUS		نگه هم	

Plot 7-308. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 142)



FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyzer - Sw	/ept SA								
LXI RL	RF 50 Ω	AC (CORREC	SEI	NSE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Frequency
	Ref Offset 0.	34 dB	PNO: Fast 🕞 IFGain:Low	Trig: Free Atten: 36				דיז ס 10 kr1 5.59		Auto Tur
10 dB/div Log	Ref 25.00	dBm				_		<u> </u>	07 dBm	
15.0										Center Fre 5.610000000 G⊦
-5.00				1	processes.	-				Start Fre 5.510000000 GF
-15.0										Stop Fre 5.710000000 G⊦
-35.0	arter and any and and and an	and a second						Mannhammen	411-14	CF Ste 20.000000 MH <u>Auto</u> Ma
-55.0										Freq Offse 0 ⊦
-65.0										Scale Typ
Center 5. #Res BW	6100 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep	Span 2 1.000 ms (00.0 MHz (1001 pts)	Log <u>L</u>
MSG							STATU	IS		

Plot 7-310. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 122)



Plot 7-311. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMS908JPN	Proud to be part of (e) element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe									
LX/IRL	RF 50 Ω	AC CO	RREC	SEI	SE:INT	#Avg Typ	e: RMS		Oct 15, 2021	Frequency
10 dB/div	Ref Offset 0.3 Ref 25.00 d	IF 9 dB	PNO: Fast 🕞	Trig: Free Atten: 36				TYP DE r1 5.514		Auto Tune
15.0										Center Fred 5.530000000 GH2
-5.00				1	prise man	an a				Start Fred 5.430000000 GH;
-15.0										Stop Free 5.630000000 GH;
-35.0	herd the grade and an other i	and the second					L. Colling and Colling and Colling	allyna sewydan arwy	Mgalaterangkangkangkang	CF Step 20.000000 MH: <u>Auto</u> Mar
-55.0										Freq Offse 0 Ha
	5300 GHz							Span 20	00.0 MHz	Scale Type
#Res BW	1.0 MHz		#VBW	3.0 MHz			Sweep 1	.000 ms (′	1001 pts)	

Plot 7-312. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 106)



Plot 7-313. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 122)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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	ectrum Analyzer - 3									
LXI RL	RF 50	Ω ΑC (CORREC	SEI	ISE:INT	#Avg Typ	e: RMS		1 Oct 15, 2021	Frequency
10 dB/div	Ref Offset (Ref 25.00	0.39 dB	PNO: Fast 😱 IFGain:Low	Trig: Free Atten: 36		•		TYF DE kr1 5.68'		Auto Tune
15.0										Center Frec 5.69000000 GHz
-5.00			frequerre alledones	1	man	manner				Start Fred 5.590000000 GHz
-15.0										Stop Frec 5.790000000 GHz
-35.0	والمراجع والمعادية المحاصي والمحاصي والمحاصي والمحاصي والمحاصي والمحاصية والمحاصية والمحاصية والمحاصية والمحاص	programment	nt				Marywarn	er ferdense for greater	and the state of the	CF Step 20.000000 MHz <u>Auto</u> Mar
-55.0										Freq Offset 0 Hz
-65.0								0.000	00.0.8414	Scale Type
Center 5.0 #Res BW			#VBW	3.0 MHz			Sweep	Span 2 1.000 ms (00.0 MHz 1001 pts)	
MSG							STATU			

Plot 7-314. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) - Ch. 138)



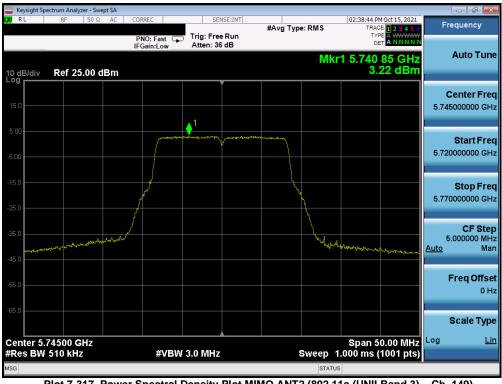
Plot 7-315. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 2C) - Ch. 114)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 190 of 257	
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🔤 Keysight Sp	ectrum Analyzer -										
LXI T	RF 5	OΩ AC	CORREC	SEI	NSE:INT	Avg Type	RMS		E 1 2 3 4 5 6	Frequer	су
			PNO: Fast ↔ IFGain:Low	Atten: 36		Avg Hold	: 100/100	TYF DE			
10 dB/div Log	Ref Offset Ref 25.0	0.39 dB 0 dBm					M	kr1 5.542 -2.4	2 0 GHz 37 dBm	Auto	Tune
15.0										Cente 5.5700000	
5.00				Junio mary		Mar and a star				Star 5.3700000	t Freq 00 GHz
-15.0										Stoj 5.77000000	o Freq 00 GHz
-35.0	ander a fre-entry	, Langerge Maria	~~^				a and the second second	MANA Parte March 19	(~ethelfor-synethetor	CF 40.00000 <u>Auto</u>	5 Step 00 MHz Man
-55.0										Freq	Offset 0 Hz
-65.0											туре
Center 5. #Res BW	5700 GHz 1.0 MHz		#VBV	V 3.0 MHz	*		Sweep 1	Span 4 1.000 ms (00.0 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATU	S			

Plot 7-316. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 2C) - Ch. 114)



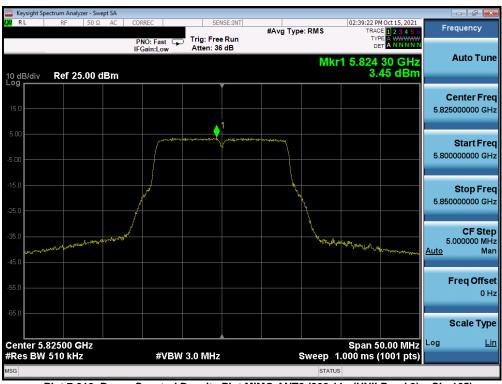
Plot 7-317. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) - Ch. 149)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
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	ectrum Analyzer - Sw									_	- 0 -
L <mark>XI</mark> RL	RF 50 Ω	AC C	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS	TRAC	1 Oct 15, 2021 E 1 2 3 4 5 6	Fre	equency
10 dB/div	Ref 25.00 c	1	PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36			Mkr	TYF DE 1 5.784			Auto Tune
15.0											enter Freq 000000 GHz
-5.00				74		high margin and				5.760	Start Freq 000000 GHz
-15.0							L. Martine Contraction			5.810	Stop Freq 000000 GHz
-35.0	houter the and the stand	wirthaw					h alater	and the moder of	han praisen free	5. <u>Auto</u>	CF Step 000000 MHz Man
-55.0										F	F req Offset 0 Hz
-65.0											Scale Type
Center 5. #Res BW	78500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	5 Span .000 ms (0.00 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATUS				

Plot 7-318. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) - Ch. 157)



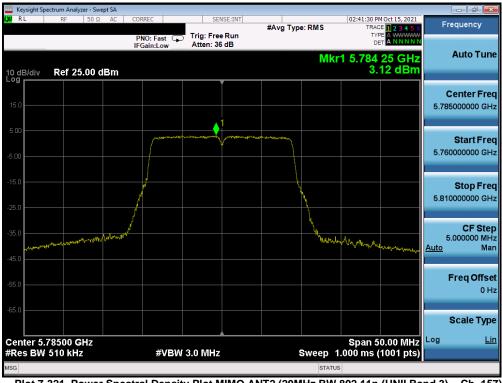
Plot 7-319. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) - Ch. 165)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Sw										
LX/RL	RF 50 Ω	AC C	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS		1 Oct 15, 2021 E 1 2 3 4 5 6	Fre	equency
10 dB/div	Ref 25.00 c		PNO: Fast 🕞 FGain:Low	Trig: Free Atten: 36			Mkr	TYF DE 1 5.742			Auto Tune
15.0				<u> </u>							e nter Freq 6000000 GHz
-5.00				and the second second	,					5.720	Start Freq
-15.0			1							5.770	Stop Freq 0000000 GHz
-35.0	ann the allen and	WWWWWWWW					h human	al the attend with	heyer by a share	5. <u>Auto</u>	CF Step 000000 MHz Man
-55.0										F	F req Offset 0 Hz
-65.0											Scale Type
Center 5. #Res BW	74500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	Span 5 .000 ms (0.00 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATUS	3			

Plot 7-320. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)



Plot 7-321. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - Swe										
LXI RL	RF 50 Ω	AC COI	RREC	SEN	ISE:INT	#Avg Typ	e: RMS		M Oct 15, 2021	Fre	quency
10 dB/div	Ref 25.00 d	IF	NO: Fast 🖵 Gain:Low	Trig: Free Atten: 36				TYF DE 1 5.818			Auto Tune
Log			1								enter Freq 000000 GHz
-5.00				1		where the state of					Start Freq 000000 GHz
-15.0		{				\ 	u M				Stop Freq 000000 GHz
-35.0	warred have the which the second	hand new and					John Coloreral	Nepellog/Rohmant	ane what have made	5.0 <u>Auto</u>	CF Step 000000 MHz Man
-55.0										F	req Offset 0 Hz
-65.0										S	cale Type _{Lin}
Center 5.8 #Res BW	82500 GHz 510 kHz		#VBW	3.0 MHz			Sweep	Span 5 1.000 ms (0.00 MHz 1001 pts)	Log	<u>LIII</u>
MSG							STATU	S			

Plot 7-322. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)

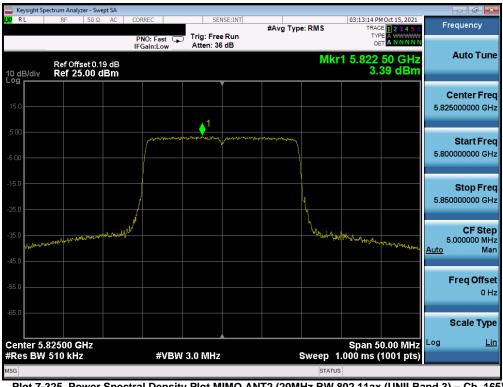


FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - S									
LX/RL	RF 50	Ω AC	CORREC	SEI	ISE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Frequency
10 dB/div	Ref Offset 0 Ref 25.00		PNO: Fast IFGain:Low	Trig: Free Atten: 36				TYF DE 1 5.782		Auto Tune
	Rel 23.00			. 1						Center Freq 5.785000000 GHz
-5.00			ant restances and a stranger	waynaara	junterhynddrwydd	and an approximation of				Start Freq 5.760000000 GHz
-15.0										Stop Freq 5.810000000 GHz
-35.0	the sold and the second second (1)	manuder	f				N. Sherothical	Manderformational	wannon war	CF Step 5.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5.3 #Res BW	78500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	5 Span 1.000 ms (0.00 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATU			

Plot 7-324. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) - Ch. 157)



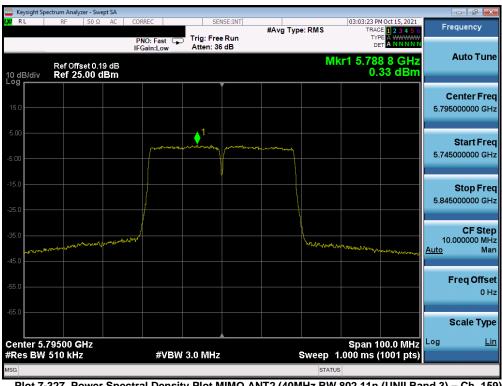
Plot 7-325. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) - Ch. 165)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dara 404 at 057	
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	ectrum Analyzer - Sw									
LXI RL	RF 50 Ω	AC CC	ORREC	SEI	ISE:INT	#Avg Typ	e: RMS	03:02:49 PM TRACE	Oct 15, 2021	Frequency
10 dB/div	Ref Offset 0.7 Ref 25.00 (1F 19 dB	PNO: Fast 🕞 Gain:Low	Trig: Free Atten: 36			MI	TYPE DE		Auto Tune
15.0										Center Freq 5.755000000 GHz
-5.00					1- 	u defendent				Start Freq 5.705000000 GHz
-15.0										Stop Freq 5.805000000 GHz
-35.0	were and a second s	, and the stand and the stand					harrow	manufle contraction	hephylophysign	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	75500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	30 Span 1.000 ms (1	00.0 MHz 1001 pts)	Log <u>Lin</u>
MSG							STATU			

Plot 7-326. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)



Plot 7-327. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	ectrum Analyzer - S									
LXU RL	RF 50	Ω AC	CORREC	SEN	SE:INT	#Avg Typ	e: RMS		1 Oct 15, 2021 E 1 2 3 4 5 6	Frequency
	Ref Offset 0		PNO: Fast IFGain:Low	Trig: Free Atten: 36				TYF DE T 1 5.74 8	E A WWWWW T A N N N N N	Auto Tune
10 dB/div Log	Ref 25.00	dBm								Center Freq 5.755000000 GHz
-5.00				yre ar an an	North Market Control of the Control	har war and a second				Start Freq 5.705000000 GHz
-15.0										Stop Freq 5.805000000 GHz
-35.0	working	Northand					handon the madel so	when the head above	how you way	CF Step 10.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0	75500 04							0	00.0 8414	Scale Type
Center 5. #Res BW	75500 GHz 510 kHz		#VBW	3.0 MHz			Sweep 1	Span 1 .000 ms (
MSG							STATUS	6		

Plot 7-328. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) - Ch. 151)



Plot 7-329. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) - Ch. 159)

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	ectrum Analyzer - Sv									
L <mark>XI</mark> RL	RF 50 S	2 AC	CORREC	SEN	ISE:INT	#Avg Typ	e: RMS		HOct 15, 2021	Frequency
10 dB/div	Ref Offset 0. Ref 25.00	34 dB dBm	PNO: Fast IFGain:Low	Trig: Free Atten: 36				TYF DE		Auto Tune
15.0				`						Center Freq 5.775000000 GHz
-5.00				1		•				Start Freq 5.675000000 GHz
-15.0										Stop Freq 5.875000000 GHz
-35.0	and a star a	and the second					had an announce of the	เลตาร์ปุ่งเราระการปุ่งกระก <u>ร</u>	(م ^{مر} موان ² ، معرف فلاطون	CF Step 20.000000 MHz <u>Auto</u> Man
-55.0										Freq Offset 0 Hz
-65.0										Scale Type
Center 5. #Res BW	7750 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep 1	2 Span 1.000 ms (Log <u>Lin</u>
MSG							STATU	-		

Plot 7-330. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

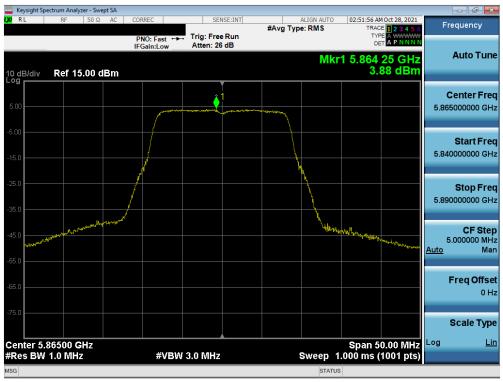


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Plot 7-332. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3/4) - Ch. 169)



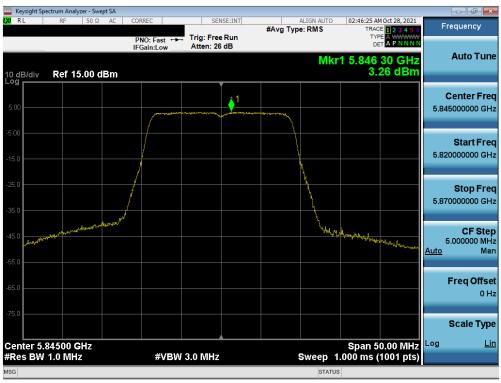
Plot 7-333. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 4) - Ch. 173)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: Test Dates:		EUT Type:	Dage 409 of 257
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	ectrum Analyzer - Swej										
X/RL	RF 50 Ω	AC COR	REC	SEN	ISE:INT	#Avg Typ	ALIGN AUTO e: RMS	02:52:20 AI	HOct 28, 2021 E 1 2 3 4 5 6 E A WWWW	Frequenc	cy
		PI IFC	IO: Fast ↔ Gain:Low	. Trig: Free Atten: 26		•		DE	70 GHz	Auto	Tune
10 dB/div Log	Ref 15.00 d	Bm						4.0	10 dBm		
5.00			(mar	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<u>1</u>	answer				Center 5.88500000	
-5.00										Start 5.86000000	-
-25.0							No.			Stop 5.91000000	Freq 0 GHz
-45.0	productionstability	adar your fe					Link Marca	Whitenstrading	wanter and the	CF 5.000000 <u>Auto</u>	Step 0 MHz Man
-65.0										Freq C	Offset 0 Hz
-75.0										Scale	Туре
Center 5. #Res BW	88500 GHz 1.0 MHz		#VBW	3.0 MHz			Sweep_1	Span 5 .000 ms (0.00 MHz 1001 pts)	Log	<u>Lin</u>
MSG							STATUS				

Plot 7-334. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 4) - Ch. 177)



Plot 7-335. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3/4) - Ch. 169)

FCC ID: A3LSMS908JPN	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N: Test Dates:		EUT Type:	Dogo 100 of 257	
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