

Spectrum	₩							[
Ref Level 5	.00 dB	im	Mode /	Auto Sweep				`
1 Max								
					M	2[1]		-60.15 dB
10 dBm					M	1111		20.3485500 GF
	5.0	100 dBm				1[1]		21.4361350 GF
J UBIII						I		
- <u>10 dBm</u> F	XD -9.	890 dBm						
-20 dBm								
20 0011								
-30 dBm								
-40 dBm								
io delli								
-50 dBm		MO		M1				
-60 dBm	. kan			The second second	alle on the state of the		and the state of the state of the state	
XD dBm								
Start 18.0 G	Hz	1 1		90002	2 pts			Stop 26.5 GH
purious Em	ission	s						
Range Lo	w	Range Up		RBW	Freque	ncy	Power Abs	∆Limit
18.000	GHz	21.000 GHz		100.000 kHz	20.34	855 GHz	-60.15 dBm	-200.00 di
21.000	GHz	24.000 GHz		100.000 kHz	21.43	614 GHz	-58.14 dBm	-200.00 di
24.000	GHZ	26.500 GHz	-	100.000 KHZ	24.57	694 GHZ	-60.55 dBm	-200.00 di
1arker	1 - 1				1 -			
Type Ret	Irc	X-Value	E CU2		Func	tion	Function	kesult
M1	1	21,43613	5 GHz	-58,14 dBr	n			
M2	1	20.3485	5 GHz	-60.15 dBr	m			
	1				Mont	urina	AMA	01/18/2016



# BLE, CH19

			Co	nd	Spur, 3	0MHz –	9GHz			
Spectrum 🔺										
Ref Level 5.00 d	dBm		Mode	Auto	o Sweep					
1 Max						м	3[1]			-51.57 dBm
10 dBm									2	2.7885860 GHz
0 dBm	.000 di	Bm				IYI			. 2	2.5599950 GHz
-10-dBm-FXD -	10.080	dBm								
-20 dBm										
-30 dBm										
-40 dBm		023								
-50 dBm		¥	M3							
-60 dBm				e bie ad atom	and galaxy and the second	States of the second states of	Lifetiler att			
		and the second s	-			a dia ang kanila ang kan			aller al l'étre a parte	
Start 30.0 MHz					9000	2 nts				Ston 9.0 GHz
purious Emissio	ns									
Range Low	R	Range Up		100	3W	Freque	ncy	Power At	os	<u>∆Limit</u>
3.000 GHz		6.000 G	Hz	100	.000 kHz	4.88	8049 GHz	-57.33	dBm	-200.00 dB
6.000 GHz		9.000 G	Hz	100	.000 kHz	6.98	3862 GHz	-56.35	dBm	-200.00 dB
Type   Ref   Tra	:1	X-valu	е	1	Y-value	Func	tion	Fund	tion Re	sult
FDX	-	30.	05 MHz		-10.08 dB	m				
M1 M2	1	2.5599	995 GHZ 999 GHZ		-49.41 dB	m				
МЗ	1	2.7885	586 GHz		-51.57 dB	m				]
						Meas	uring		4/4	
ate: 18.JAN.2016 1	8:11:30									
			Со	nd	Spur, 9	<b>GHz –</b> 1	8GHz			
Spectrum 🔆	)		Со	nd	Spur, 9	<b>GHz –</b> 1	8GHz			
Spectrum 🖌 Ref Level 5.00 d	dBm		Co	ond Auto	Spur, 9	<b>GHz –</b> 1	8GHz			
Spectrum 🔆 Ref Level 5.00 o	JBm		Co Mode	Auto	Spur, 9	GHz – 1	18GHz			-60.72 dBm
Spectrum 🔆 Ref Level 5.00 d 1 Max	JBm		Mode	Auto	Spur, 9	GHz – 1	1[1]		15	-60.72 dBm 6.8825210 GHz
Spectrum * Ref Level 5.00 c 1 Max 10 dBm - 5 0 dBm - 5	dBm	Bm	Mode	Auto	Spur, 9	GHz – 1	18GHz		15	-60.72 dBm 6.8825210 GHz -61.23 dBm 6.5655950 GHz
Spectrum * Ref Level 5.00 @ 1 Max 10 dBm - 5 0 dBm -10-dBm - FXD -	dBm	Bm	Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1]		15	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz
Spectrum         **           Ref Level         5.00 d           11 Max         **           10 dBm         **           0 dBm         **           10 dBm         **           -0 dBm         FXD           -20 dBm         **	JBm 000 dt 10.080	Bm	Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1]		15	-60.72 dBm 5.8825210 GHz 61.23 dBm 5.6565950 GHz
Spectrum Ref Level 5.00 ( 1 Max 10 dBm -10 dBm -20 dBm -30 dBm	dBm	Bm	Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1]		15	-60.72 dBm 6.8825210 GHz -61.23 dBm 6.6565950 GHz
Spectrum Ref Level 5.00 ( )1 Max 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm -40 dBm -40 dBm -30 dBm -30 dBm -40 dBm -40 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -30 dBm -30 dBm -30 dBm -30 dBm -40 dBm -30 dBm -3	JBm .000 d£	Bm	Mode	Auto	Spur, 9	GHz — 1	1[1] 2[1]			-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz
Spectrum * Ref Level 5.00 ( 1 Max 10 dBm 5 0 dBm FXD - -20 dBm - -30 dBm - -30 dBm - -50 dBm -	dBm	Bm	Mode	Auto	Spur, 9	GHz — 1	1[1] 2[1]		15	-60.72 dBm 6.8825210 GHz -61.23 dBm 6.6565950 GHz
Spectrum * Ref Level 5.00 ( 1 Max 10 dBm 5 0 dBm 720 - -20 dBm 720 - -20 dBm - -30 dBm - -50 dBm - -50 dBm - -60 dBm -	10.080	Bm	Mode	Auto	Spur, 9	GHz — 1	1[1] 2[1]		15 16 	-60.72 dBm 5.8825210 GHz -61.23 dBm 5565950 GHz
Spectrum * Ref Level 5.00 ( 1 Max 10 dBm 5 0 dBm FXD - -20 dBm - -30 dBm - -30 dBm - -50 dBm - -50 dBm - -50 dBm - -60 dBm -	10.080	Bm	Mode	Auto	Spur, 9	GHz — 1	1[1] 2[1]		15 16 M3 M2	-60.72 dBm 5.8825210 GHz 61.23 dBm 5.6565950 GHz
Spectrum ★ Ref Level 5.00 ( 1 Max 10 dBm 10 dBm 10 dBm - 20 dBm 20 dBm 20 dBm 30 dBm 50 dBm		Bm	Mode Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1]		15 16 M3 M2	-60.72 dBm 6.8825210 GHz -61.23 dBm 6.6565950 GHz
Spectrum         **           Ref Level 5.00 (         1           11 Max         -           10 dBm         -           0 dBm         -           -20 dBm         -           -30 dBm         -           -30 dBm         -           -50 dBm         -           -60 dBm         -           -50 dBm         -           -50 dBm         -           -50 dBm         -           -50 dBm         -           -60 dBm         -           -60 dBm         -           -50 dBm         -           -60 dBm         -           -70 dBm         -	.000 dd	Bm	Co Mode	Auto	Spur, 9	GHz — 1	1[1] 2[1]		15 16 M3 M2 S	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz
Spectrum         **           Ref Level         5.00 (dotted in the second	.000 dt	Bm	Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1] 2[1]	M1 Power Al	15 16 M3 M2 X M6 S S S S	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz -61.23 dBm 5.6565950 GHz -61.23 dBm 5.655950 GHz -61.23 dBm -61.23 dBm -61.24 dBm -61
Spectrum         **           Ref Level 5.00 (#           1 Max           10 dBm           10 dBm           -10 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -50 dBm           -60 dBm           -50 dBm           -60 dBm           -60 dBm           -50 dBm           -60 dBm           -60 dBm           -70 dBm           -70 dBm           -70 dBm           -70 dBm           -9.000 GHz           -9.000 GHz           12.000 GHz	.000 dt	Bm	Co Mode	Auto	Spur, 9	GHz – 1	1[1] 2[1] 2[1] 0095 GHz 3466 GHz	M1 M1 -62.73 -61.42	15 16 13 16 13 16 15 16 16 16 16 15 15 15 15 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6555950 GHz 
Spectrum         **           Ref Level 5.00 (         **           11 Max         **           10 dBm         5           0 dBm         FXD -           -20 dBm         **           -30 dBm         **           -40 dBm         **           -50 dBm         **           -60 dBm         **           -60 dBm         **           -60 dBm         **           -7XD Bm         **           Start 9.0 GHz         **           12.000 GHz         **           15.000 GHz         **	.000 dd 10.080	Bm	Co Mode	Auto Auto RE 100 100 100	Spur, 9	GHz — 1	<b>NCY</b> 0095 GHZ 0466 GHZ 01154 GHZ	M1 M1 -62.73 -61.42 -60.49	15 16 M3 M2 V3 M2 V3 V3 V3 V3 V3 V3 V3 V3 V3 V3 V3 V3 V3	-60.72 dBm .6825210 GHz -61.23 dBm .6565950 GHz .6565950 GHz .656590 G
Spectrum         **           Ref Level 5.00 (         *           11 Max         *           10 dBm         -           10 dBm         -           -10 dBm         FXD -           -20 dBm         -           -30 dBm         -           -40 dBm         -           -50 dBm         -           -60 dBm         -           -50 dBm         -           -60 dBm         -           -7XD Bm         -           Start 9.0 GHz         -           12.000 GHz         15.000 GHz           15.000 GHz         -           15.000 GHz         -	.000 dd	Bm	Co Mode	Auto Auto	Spur, 9	GHz — 1	<b>ncy</b>   0095 GHz 0466 GHz 1154 GHz	M1 M1 -62.73 -61.42 -60.49	15 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	-60.72 dBm .8825210 GHz -61.23 dBm .6565950 GHz itop 18.0 GHz ALimit -200.00 dB -200.00 dB -200.00 dB
Spectrum         **           Ref Level 5.00 (         1           11 Max         -           10 dBm         -           10 dBm         -           -20 dBm         -           -30 dBm         -           -30 dBm         -           -50 dBm         -           -60 dBm         -           -50 dBm         -           -60 dBm         -           -720 dBm         -		Bm	Co Mode	Auto	Spur, 9	GHz — 1	1[1]           2[1]           0095 GHz           0095 GHz           0154 GHz           0154 GHz	M1 Power At -62.73 -61.42 -60.49 Fund	15 16 16 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz -1.23 dBm 5.6565950 GHz -1.23 dBm 5.6565950 GHz -61.23 dBm 5.8825210 GHz -61.23 dBm 5.8825210 GHz -61.23 dBm 5.8825210 GHz -61.23 dBm 5.8825210 GHz -61.23 dBm 5.8825210 GHz -61.23 dBm 6.5665950 GHz -61.23 dBm 6.565950 GHz -61.23 dBm 6.565950 GHz -61.23 dBm 6.565950 GHz -61.23 dBm 6.565950 GHz -61.23 dBm 6.565950 GHz -61.23 dBm 6.565950 GHz -700.00 dB -700.00 dB -700
Spectrum         **           Ref Level 5.00 (         1           11 Max         -           10 dBm         -           10 dBm         FXD -           -20 dBm         -           -30 dBm         -           -30 dBm         -           -50 dBm         -           -60 dBm         -           -50 dBm         -           -60 dBm         -           -70 GHz         -	10.080 df	Bm	Co Mode	RE 100 100	Spur, 9	GHz — 1	1[1]           2[1]	M1 -62.73 -61.42 -60.49 Fund	15 16 16 18 18 18 15 18 18 18 18 18 18 18 18 18 18 18 18 18	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6555950 GHz -61.23 dBm 5.6555950 GHz -61.23 dBm 5.655950 GHz -61.23 dBm 5.655950 GHz -61.23 dBm 5.655950 GHz -61.23 dBm 5.655950 GHz -61.23 dBm 6.655950 GHz -61.23 dBm 6.65590 GHz -61.23 dBm 6.6559
Spectrum         ************************************	10.080 dt	Bm	Co Mode	REE 1000 1000	Spur, 9	GHz — 1	8GHz	Power Al -62.73 -61.42 -60.49 Func	15 16 16 18 18 18 15 18 16 18 18 18 18 18 18 18 18 18 18 18 18 18	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz -1.23 dBm 5.6565950 GHz -1.23 dBm 5.6565950 GHz -1.23 dBm 5.655950 GHz -1.23 dBm 5.655950 GHz -1.23 dBm 5.655950 GHz -1.23 dBm -1.23
Spectrum         ************************************	10.080	Bm dBm dBm 12.000 G 12.000 G 18.000 G 18.000 G X-valu 15.8822 16.6565 16.2902	Co Mode	Ret 100 100	Spur, 9	GHz — 1	8GHz  1[1] 2[1] 2[1] 0095 GHz 0095 GHz 1466 GHz 0154 GHz 154 GHz 155 G	Power Al -62.73 -61.42 -60.49 Fund	15 16 16 18 18 18 18 18 18 18 18 18 18 18 18 18	-60.72 dBm 5.8825210 GHz -61.23 dBm 5.6565950 GHz -0.00 dB -200.00 dB -200.00 dB -200.00 dB -200.00 dB -200.00 dB -200.00 dB



Spect	rum	*									[
Ref Le	vel 5	.00 dBn	n	Mode	Auto Sweep						
●1 Max											
							M2[1]				-60.76 dB
10 dBm						_				25	5.1329210 G
0.40		5.00	10 dBm			-	M1[1]_				-58.23 dB
U aBm-									1 1	2.	1.4357350 G
10 dBn	n-F)	XD -10.	080 dBm			-					
-20 dBn	n					_					
-30 dBn	n										
-40 dBn	n					+			+ +		
				1							
-50 dBn	n —					_					
-50 dBn	n				M1					M2	
-50 dBn -60 dBn	n	, and the second	an fair the first sector from the sector of	المعرية فحروه والمراح	M1	celoupe J.	والمتحد والتي أدارة مسألا أتحد المحرو	المربا والحد	t nu laibh fallan agus ann a	M2	والمحطاري والمحطور
-50 dBn -60 dBn <sub>EXD</sub> dBn	n	gasta filmg (mang ana sili ang ang ang ang				and at the J.C.		ana je na inc	ta u, la dus fatima og satur a.	M2	
-50 dBn -60 dBn FXD dBh		g a ta del es j deserva na se del se se que por						ann fy ly and con y y mu doe	na vij talija falmograj paterija 19. vij talija je se	M2	
-50 dBn -60 dBn FXD dBh Start 1	n n n 8.0 G	Hz	an fan fan fan fan fan fan stere fan stêr yn fan stêr yn fan stêr fan stêr yn fan stêr fan stêr fan stêr fan s		M11 7 900	002 pt	s	1999, ly 1999 (	a na talin film ay star a	M2	Stop 26.5 GH
-50 dBn -60 dBn FXD dBn Start 1 Spuriou	.8.0 G	Hz issions			M11 7 900	)02 pt	S			M2	Stop 26.5 GH
-50 dBn -60 dBn FXD dBh Start 1 Spuriou Ran	8.0 G	Hz issions w	Range Up		N11 900 RBW	002 pt	s Frequency		Power Abs	M2 5 5	ΔLimit
-50 dBn -60 dBn FXD dBh Start 1 Spuriou Ran 1 2	8.0 G 8.000 1.000	Hz issions w GHz GHz	Range Up 21.000 GF 24.000 GF		N1 900 RBW 100.000 kHz 100.000 kHz	002 pt	<b>s</b> Frequency 19.84795 ( 21.43574 (	GHz	Power Abs -60.63 ( -58.23 (	M2 s dBm dBm	<b>ΔLimit</b> -200.00 d
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2	<b>8.0 G</b> <b>8.0 G</b> <b>15 Emi</b> <b>9e Lo</b> 8.000 1.000 4.000	Hz issions w GHz GHz GHz	Range Up 21.000 GF 24.000 GF 26.500 GF	12 12 12	RBW 100.000 kHz 100.000 kHz 100.000 kHz	002 pt	<b>s</b> Frequency 19.84795 ( 21.43574 ( 26.18272 (	GHz GHz	Power Abs -60.63 -58.23 -60.75 (	M2 s dBm dBm dBm dBm	Auto and the design of the des
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2 2 Marker	<b>8.0 G</b> <b>1000</b> <b>1000</b> <b>1000</b> <b>1000</b>	Hz issions w GHz GHz GHz GHz	Range Up 21.000 GH 24.000 GH 26.500 GH	12 12 12 12	N1 900 RBW 100.000 kHz 100.000 kHz 100.000 kHz	002 pt	Frequency 19.84795 ( 26.18272 (	GHZ GHZ	Power Abs -60.63 -60.75 (	M2	And a set of the set o
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2 Marker Type	<b>8.0 G</b> <b>1.000</b> <b>4.000</b> <b>8.000</b>	Hz issions w GHz GHz GHz GHz GHz	Range Up 21.000 GF 24.000 GF 26.500 GF X-value		N1           900           RBW           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz	002 pt	<b>Frequency</b> 19.84795 ( 26.18272 ( <b>Function</b>	GHz GHz GHz	Power Abs -60.63 -58.23 ( -60.75 (	M2 s dBm dBm dBm tion Re	ΔLimit -200.00 d -200.00 d -200.00 d -200.00 d
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2 Warker Type FDX	<b>8.0 G</b> <b>3.0 G</b> <b>1.5 Emi</b> <b>3.000</b> <b>1.000</b> <b>4.000</b> <b>Ref</b>	Hz issions w GHz GHz GHz GHz GHz	Range Up 21.000 GF 24.000 GF 26.500 GF X-value 18.000	1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	N1           900           RBW           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz           100.000 kHz	002 pt	<b>Frequency</b> 19.84795 ( 21.43574 ( 26.18272 ( <b>Function</b>	GHz GHz GHz	Power Abs -60.63 -58.23 -60.75 Funct	M2 s dBm dBm dBm dBm dBm dBm	ΔLimit         -200.00 d           -200.00 d         -200.00 d           -200.00 d         -200.00 d
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2 2 Marker Type FDX M1	8.000 1.000 4.000 Ref	Hz issions w GHz GHz GHz GHz Hz	Range Up 21.000 GF 24.000 GF 26.500 GF X-value 18.000 21.4357	12 12 12 12 12 05 GHz 35 GHz	N1 900 RBW 100.000 kHz 100.000 kHz 100.000 kHz 100.000 kHz -10.08 -58.23	002 pt	Frequency 19.84795 ( 21.43574 ( 26.18272 ( Function	All and a second	Power Abs -60.63 -58.23 -60.75 Funct	M2 s dBm dBm dBm dBm tion Re	<b>Stop 26.5 GH</b> <b>ΔLimit</b> -200.00 d -200.00 d -200.00 d sult
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 2 2 Marker Type FDX M1 D1	8.0 G IS Emi ge Lo 8.000 1.000 4.000 Ref	Hz issions GHz GHz GHz GHz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz H	Range Up 21.000 GF 24.000 GF 26.500 GF X-value 18.000 21.4357 -55 05 1222	42 42 42 42 42 42 42 42 42 42 42 42 42 4	N1 900 RBW 100.000 kHz 100.000 kHz 100.000 kHz 100.000 kHz 100.000 kHz -10.08 -58.23 -58.23 -58.3 -58.23	dBm dBm dBm dBm dBm	<b>Frequency</b> 19.84795 (21.43574 (26.18272 (2000)) <b>Function</b>	GHz GHz GHz	Power Abs -60.63 -58.23 -60.75 Funct	M2 s dBm dBm dBm dBm tion Re	Attribute         Attribute <t< td=""></t<>
-50 dBn -60 dBn FXD dBn Start 1 Spuriou Ran 1 2 2 2 Marker FDX M1 D1 D1	8.0 G IS Emi ge Lo 8.000 1.000 4.000 Ref	Hz issions GHz GHz GHz GHz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz Hz H	Range Up 21.000 GF 24.000 GF 26.500 GF X-value 18.000 21.4357 -50 25.1329	12 12 12 12 12 12 12 12 12 12 12 12 12 1	N1 900 RBW 100.000 kHz 100.000 kHz 100.000 kHz 100.000 kHz -58.23 -58.3 -58.3 -58.3	DO2 pt	s Frequency 19.84795 ( 21.43574 ( 26.18272 ( Function	GHZ GHZ GHZ	Power Abs -60.63 -58.23 -60.75 ( Funct	M2 s dBm dBm dBm dBm tion Re	<b>Stop 26.5 GH</b> -200.00 d -200.00 d -200.00 d



# BLE, CH39

			Con	nd Spur, 3	30MHz –	9GHz			
Spectrum	₩								
Ref Level 5	.00 dBm		Mode /	Auto Sweep					
●1 Max					M	1[1]			-53.90 dBm
10 dBm						2[1]		2	.8357100 GHz
0 dBm	5.000	dBm				2[1]		2	2.6199890 GHz
-10 dBm-F	XD -10.5:	LO dBm							
-20 dBm									
-30 dBm									
-40 dBm		1042							
-50 dBm			M1 T						
-60 dBm	ار میں اور		. Landara March						and a second a last for a life last.
FXD UBM	ه ديند پيندي غاظ								
Start 30.0 M	IHz			900	02 pts				Stop 9.0 GHz
Spurious Em Range Lo	issions	Range Un	1	RBW	Freque	ncv	Power Ah	is	ALimit
30.000	MHz	3.000 GH	z :	100.000 kHz	2.48	3000 GHz	9.38	dBm	-200.00 dB
3.000	GHz GHz	6.000 GH: 9.000 GH:	z : z :	100.000 kHz 100.000 kHz	5.95	5335 GHz 9812 GHz	-57.27	dBm dBm	-200.00 dB -200.00 dB
Marker									
Type Ref	Trc	X-value 30.049	5 MHz	<u>Y-value</u> -10.51 c	Bm Func	tion	Func	tion Re:	sult
M1	1	2.8357	1 GHz	-53.90 c	iBm				
M2 M3	1	2.56029	9 GHZ 92 GHZ	-47.98 c	iBm				
	)[]				Meas	uring		i)XI	01/18/2016
Date: 18.JAN.20	16 18:15:	17							
			<b>^</b>						
			Cor	nd Spur, s	9 <b>GHz –</b> 1	8GHz			
Spectrum	*		Cor	nd Spur, S	9 <b>GHz –</b> 1	8GHz			
Spectrum Ref Level 5	*		Cor Mode /	Auto Sweep	9 <b>GHz –</b> 1	18GHz			
Spectrum Ref Level 5	*		Cor Mode 4	Auto Sweep	9GHz – 1	1[1]			-61.24 dBm
Spectrum Ref Level 5 1 Max	₩	dBm	Cor Mode /	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm .2418090 GHz -60.87 dBm
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm	.00 dBm	dBm	Cor Mode 4	Auto Sweep	9GHz – 1	18GHz		16	-61.24 dBm 5.2418090 GHz -60.87 dBm .0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm 10 dBm F)	*.00 dBm 00 dBm 	dBm	Cor Mode /	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm 5.2418090 GHz 60.87 dBm 7.0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm 10 dBm -20 dBm	*	dBm	Cor Mode /	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm .2418090 GHz -60.87 dBm .0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm	*00 dBm 	dBm	Cor Mode /	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm 5.2418090 GHz -60.87 dBm ,0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 10 dBm 10 dBm -20 dBm -30 dBm -40 dBm	.00 dBm -5.000 XD -10.5	dBm	Cor Mode 4	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm 5.2418090 GHz -60.87 dBm .0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm -0 dBm -20 dBm -30 dBm -40 dBm -50 dBm	.00 dBm 	dBm	Cor	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm 5.2418090 GHz -60.87 dBm 7.0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm 10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	★	dBm	Mode #	Auto Sweep	9GHz – 1	1[1] 2[1]		16	-61.24 dBm 5.2418090 GHz -60.87 dBm 7.0845810 GHz
Spectrum Ref Level 5 1 Max 10 dBm 0 dBm -0 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm	.00 dBm 	dBm	Mode 4	Auto Sweep	9GHz — 1	1[1] 2[1]		16 17	-61.24 dBm .2418090 GHz -60.87 dBm .0845810 GHz 
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Spectrum           Ref Level 5           1 Max           10 dBm           10 dBm           -20 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -60 dBm           Start 9.0 GH           Spurious Em           Range Lo           9.000           12.000           15.000		dBm	Cor	Auto Sweep	9GHz – 1	1[1]           2[1]	Power Ab -62.82 -61.62 -60.87	16 17 11 5 6 8 95 6 8 m 6 8 m 6 8 m	-61.24 dBm 5.2418090 GHz -60.87 dBm 7.0845810 GHz 
Spectrum           Ref Level 5           1 Max           10 dBm           10 dBm           -20 dBm           -20 dBm           -30 dBm           -40 dBm           -50 dBm           -60 dBm           -60 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm <t< td=""><td>.00 dBm </td><td>dBm           dBm           10 dBm           I0 dBm           I1 dBm<!--</td--><td>Cor</td><td>Auto Sweep Auto Sweep</td><td>9GHz – 1</td><td>1[1]           2[1]          </td><td>Power Ab -62.82 -61.62 -60.87</td><td>16 17 11 95 dBm dBm dBm dBm dBm dBm</td><td>-61.24 dBm .2418090 GHz -60.87 dBm .0845810 GHz .0845810 GHz .0845810 GHz .0845810 GHz .0945810 GHZ .0945</td></td></t<>	.00 dBm 	dBm           dBm           10 dBm           I0 dBm           I1 dBm </td <td>Cor</td> <td>Auto Sweep Auto Sweep</td> <td>9GHz – 1</td> <td>1[1]           2[1]          </td> <td>Power Ab -62.82 -61.62 -60.87</td> <td>16 17 11 95 dBm dBm dBm dBm dBm dBm</td> <td>-61.24 dBm .2418090 GHz -60.87 dBm .0845810 GHz .0845810 GHz .0845810 GHz .0845810 GHz .0945810 GHZ .0945</td>	Cor	Auto Sweep	9GHz – 1	1[1]           2[1]	Power Ab -62.82 -61.62 -60.87	16 17 11 95 dBm dBm dBm dBm dBm dBm	-61.24 dBm .2418090 GHz -60.87 dBm .0845810 GHz .0845810 GHz .0845810 GHz .0845810 GHz .0945810 GHZ .0945
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# D.4 Power Spectral Density

## Test limits:

FCC part	RSS part	Limits
15.247 (e)	RSS-247 Clause 5.2 (2)	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

#### Test procedure:

The maximum peak power spectral density level of the fundamental emission was measured using the method PKPSD, defined in paragraph 10.2 of FCC KDB 558074 D01.

The setup below was used to measure the power spectral density. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

The declared maximum antenna gain is 3dBi.



## **Results tables:**

			PSD PEAK [dBm]
Mode	СН	Frequency [MHz]	Measured Conducted
	0	2402	-4.91
BLE	19	2440	-5.55
	39	2480	-6.05

#### Test Report N°160107-01.TR02



### Results screenshot:

BLE





# D.5 Radiated spurious emission

## **Standard references:**

FCC part	RSS part	Limits						
		Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):						
		Freq Range (MHz)	Field Stregth (μV/m)	Field Stregth (dBµV/m)	Meas. Distance (m)			
		0.009-0.490	2400/f(kHz)	-	300			
		0.490-1.705	24000/f(kHz)	-	300			
		1.705-30.0	30	-	30			
		30-88	100	40	3			
		88-216	150	43.5	3			
	RSS-247	216-960	200	46	3			
15.247 (d)	Clause 5.5	Above 960	500	54	3			
		The emission li measurements e the frequency b MHz. Radiated e measurements e For average rad there is also a li function, corresp table.	mits shown in employing CISPF ands 9-90 kHz, emission limits in employing an ave liated emission r mit specified wh oonding to 20 dB	the above table R quasi-peak de 110-490 kHz a these three ban rage detector. neasurements a en measuring wi above the indica	e are based on tector except for and above 1000 ids are based on bove 1000 MHz, ith peak detector ited values in the			

### Test procedure:

The setups below were used to measure the radiated spurious emissions.

Depending of the frequency range and bands being tested, different antennas and filters were used. The final measurement is done by varying the antenna height from 1 to 4 meters, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emissions were measured on the worst case configuration selected from the chapter *D.2 Maximum Output Power and E.I.R.P.* and using the lowest, middle and highest channels.



Radiated Setup < 1GHz



Radiated Setup > 1GHz





# Test Results:





1 GHz – 26.5GHz, BLE **Radiated Spurious – CH0 100**T 90-80-FCC Peak (dBuV per meter) 70-Level in dBµV/m 60-CC Average (dBuV per meter) 50 40 30-20 10 0-1G 2G 3G 4G 5G 6 8 10G 20G 26.5G Frequency in Hz Limit FCC Avg Peak measurements AVG measurements Limit FCC Peak MaxPeak Frequency AvG Limit Margin MHz dBuV/m dBuV/m dBuV/m dB 2482.29 45.53 54.06 8.52 ---46.32 7.74 2522.00 54.06 ---2542.00 45.61 54.06 8.44 ---2562.00 ---44.96 54.06 9.09

41.75

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31.22

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50.54

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54.97

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43.39

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52.06

54.06

74.06

54.06

74.06

54.06

74.06

5997.34

6000.26

16702.38

16753.00

23020.02

23020.02

12.31

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22.84

30.67

3.52

22.00







