



On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Frequency:	2200 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	LTE 5 MHz with IB (IoT1)
Limit:	–19 dBm/50 kHz	Notes:	None

Frequency:	2201 MHz	Mode:	Single-carrier operation
Meas. BW:	1 MHz	Tech.:	LTE 5 MHz with IB (IoT1)
Limit:	–19 dBm/MHz	Notes:	None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Frequency: 2200 MHz Mode: Sinale-carrier operation Meas. BW: 1% of EBW Tech.: LTE 5 MHz with IB (IoT2) Limit: –19 dBm/50 kHz Notes: None

Frequency:	2201 MHz	Mode:	Single-carrier o
Meas. BW:	1 MHz	Tech.:	LTE 5 MHz with
Limit:	–19 dBm/MHz	Notes:	None

IB (IoT2)





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-103: Conducted emission at the lower band edge

Frequency:	2110 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	LTE 10 MHz
Limit:	–19 dBm/100 kHz	Notes:	None

CSE Swept SA		BE 1 PC Channel Power	BE 1 Mi Channe	Hz I Power	CCDF Power Stat CCDF	+
KEYSIGH LT +►+	T Input RF Coupling: DC Align: Auto	Input Z: 50 Ω Atten: 10 Corrections: On Preamp: Freq Ref: Int (S) μW Path: NFE: Off #PNO: Fi	dB Trig: Free Run Off Gate: Off Standard #IF Gain: Low ast	Center Freq: 2.20005000 Avg[Hold: 100/100 Radio Std: None) GHz	
Graph	7				Mkr1 2.200	000000 GH:
cale/Div 10	.0 dB		Ref Value 36.4	0 dBm	-	26.774 dBm
26.4						
16.4						
6.40						
3.60		1				
13.6				-		
23.6						
33.6				L		
43.6				- Ville - Vill		
53.6						
enter 2.200 Res BW 20.	05 GHz 000 kHz		#Video BW 30.0	00 kHz*	Sweep 1	Span 40 MHz 36 ms (1001 pts
Metrics	۲					
Total Char	nel Power	-22.65 dBm / 100 kHz				
Total Powe	er Spectral Densit	y -72.65 dBm/Hz				
4	C 🔳 🕻	Jun 26, 2023				

Figure 8.3-105: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	LTE 10 MHz	
Limit:	–19 dBm/100 kHz	Notes:	None	



Figure 8.3-104: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:LTE 10 MHzNotes:None

CSE Swept SA		BE 1 PC Channel Power		BE 1 MHz Channel F	ower	CCDF Power Stat CCDF	+
LT +++	T Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Atten: 10 dB Corrections: On Preamp: Off Freq Ref: Int (S) μW Path: Standar NFE: Off #PNO: Fast	Trig: Fr Gate: C #IF Gai	ee Run ff n: Low	Center Freq: 2.201500000 Avg[Hold: 100/100 Radio Std: None	GHz	
1 Graph	•					Mkr1	2.20100000 GHz
Scale/Div 10	.0 dB		Ref Val	ue 46.40 o	dBm		-32.851 dBm
Log							
30.4							
20.4							
16.4							
6.40	1						
-3.60							
-13.6							
-23.6	1		- 1	. 📶 🗄			
-33.6	~~~~			Martin Party			
-43.6				_			
Contor 2 201	50 CH2		tildaa I	200.00	L L L M		Enan 20 Mila
#Res BW 10	0.00 kHz		#VI000 E	544 300.00	KH2	9	weep 3.73 ms (1001 pts)
2 Metrics	,						
Total Char	nel Power	-23.01 dBm / 1.00 MHz					
Total Pow	er Spectral Density	y -83.01 dBm/Hz					
4 'n	<	Jun 26, 2023					

Figure 8.3-106: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:LTE 10 MHzNotes:None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-107: Conducted emission at the lower band edge

⁼requer Meas. E	ncy: 2 3W: 1	110 MHz % of EBW	0 44-	Mode: Tech.:	Single-car LTE 10 M	rrier operation Hz with IoT	
LII	<i>mt:</i> –	19 UBIN/100	JKHZ	Notes:	None		
CSE Swept SA		BE 1 PC Channel P	ower	BE 1 MH Channel	z Power	CCDF Power Stat CCDF	+
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Q Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.2000500 Avg[Hold: 100/100 Radio Std: None	00 GHz	
1 Graph	•					Mkr1 2.20	0000000 GH
Scale/Div 10.	0 dB			Ref Value 36.40	dBm		-25.106 dBn
Log							
26.4				· · · · · · · · · · · · · · · · · · ·			
16.4							
6.40							
-3.60							
13.6				1			
-23.6							
-33.6		-0		- K			
-43.6					And the second sec		
-53.6							
	5 OU-						0
Res BW 20.0	00 kHz			FVIDeo BW 30.00	U KHZ	Sween	136 ms (1001 pts
2 Motrice							
c mourca							
Total Chan	nel Power	-21.24 dBm / 100) kHz				
Total Powe	r Spectral Densi	ity _71.24 dB	m/Hz				
FOWC	opcoral Della	-/ 1.24 ub					

Figure 8.3-109: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	LTE 10 MHz with IoT	
Limit:	–19 dBm/100 kHz	Notes:	None	



Figure 8.3-108: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:LTE 10 MHz with IoTNotes:None

CSE Swept SA		BE 1 PC Channel Power		BE 1 MH Channel	z Power	CCDF Power Stat CCDF	+
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Atten: 10 dB Corrections: On Preamp: Off Freq Ref: Int (S) μW Path: St NFE: Off #PNO: Fast	Trig: Gate: andard #IF G	Free Run : Off kain: Low	Center Freq: 2.20150000 Avg[Hold: 100/100 Radio Std: None	0 GHz	
1 Graph	,					Mkr1 2.2	01000000 GHz
Scale/Div 10.0	dB		Ref V	alue 46.40	dBm		-31.875 dBm
36.4							
20.4			A				
18.4	1						
6.40							
3.60	/						
13.6							
-73.6	1						
-33.6	M			mar and a second			
-43.6							
#Res BW 100	U GHZ 00 kHz		#Video	5 BW 300.0	O KHZ*	Swoor	Span 30 MHz 3 73 ms (1001 nts)
2 Motrics	el Power	-22.73 dBm / 1.00 MHz					
Total Power	Spectral Density	-82.73 dBm/Hz					
4 N	C 🔳 🕯	Jun 26, 2023					B = X

Figure 8.3-110: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz	Mode:	Sin
Meas. BW:	1 MHz	Tech.:	LTI
Limit:	–19 dBm/MHz	Notes:	No

Single-carrier operation LTE 10 MHz with IoT None

Report ID: REP013195





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequency:	21	10 MHz		Мос	le:	Single-carr	ier operation	
Meas. BW:	19	6 of EBW		Tecl	h.:	LTE 15 MH	Z	
Limit:	-1	9 dBm/150) kHz	Note	?s:	None		
OBW Occupied BW		PSD Sweet SA		CSI	ent SA		BE 1 PC Channel Power	• +
KEYSIGHT Input L T ↔ Align:	RF Ing DC Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free R Gate: Off #IF Gain: Lo	un w	Center Freq: 2.200075000 Avg[Hold: 100/100 Radio Std: None	l GHz	
1 Graph	•						Mkr1 2.2	00000000 GH
Scale/Div 10.0 dB				Ref Value :	36.40	dBm		-30.318 dBr
Log					1			
26.4								
16.4								
6.40								
3.60					ŧI-			
13.6					1			
-23.6					41			
33.6					T			
42.0		N			m	~~~~		
53.6								
Center 2.20008 GHz			#	Video BW	1 30.00) kHz ^x	Swoo	Span 60 MH
2 Metrics							Unico	p 200 ms (1001 pi
Total Channel Pov	ver	-24.63 dBm / 150	kHz					
Total Power Spec	tral Density	-76.39 dBr	n/Hz					

Figure 8.3-113: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	LTE 15 MHz	
Limit:	–19 dBm/150 kHz	Notes:	None	



Figure 8.3-112: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:LTE 15 MHzNotes:None



Figure 8.3-114: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: LTE 15 MHz Notes: None

Report ID: REP013195



CCDF Power Stat CCDF

CCDF Power Stat CCDF

+

Mkr1 2.109000000 GH -32.988 dBn

Span 40 MH eep 5.00 ms (1001 pts

+

Mkr1 2.201000000 GHz -31.531 dBm

Span 40 MHz Sweep 5.00 ms (1001 pts

Test data, continued



On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-118: Conducted emission 1 MHz away from the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	LTE 15 MHz with IoT
Limit:	–19 dBm/150 kHz	Notes:	None

Frequency:	2201 MHz	Mode:
Meas. BW:	1 MHz	Tech.:
Limit:	–19 dBm/MHz	Notes:

Single-carrier operation LTE 15 MHz with IoT None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-119: Conducted emission at the lower band edge

Frequer Meas. E Lir	ncy: 2 3W: 1 nit: -	2110 MHz 1% of EBW -19 dBm/200) kHz	Mode: Tech.: Notes:	Single-carr LTE 20 MH None	ier operation z	
OBW Occupied B	3W	PSD Swept SA		CSE Swept SA		BE 1 PC Channel Power	· +
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Q Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standars #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.200100000 Avg[Hold: 100/100 Radio Std: None	GHz	
1 Graph	•					Mkr1	2.200000000 GH
Scale/Div 10.	0 dB			Ref Value 36.40	dBm		-35.220 dBn
Log							
26.4							
16.4							
6.40							
-3.60				1			
-13.6				1			
-23.6				1			
-33.6							
-43.6							
-53.6							
Center 2.2001 #Res BW 39.0	10 GHz)00 kHz			Video BW 30.00) kHz*	S	Span 80 MH weep 93.0 ms (1001 pt
2 Metrics	•						
Total Chan	nel Power	-29.28 dBm / 200	kHz				
Total Powe	r Spectral Dens	sity -82.29 dB	n/Hz				
e	r Spectral Dens	sity -82.29 dB	n/Hz				
4 N	C 🔳	? Jun 27, 2023 7:08:47 AM					

Figure 8.3-121: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	LTE 20 MHz	
Limit:	–19 dBm/200 kHz	Notes:	None	



Figure 8.3-120: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:LTE 20 MHzNotes:None

CSE Swept SA		BE 1 PC Channel Power	BE Cha	1 MHz annel Po	ower	CCDF Power Stat CCDF	+
	Input: RF Coupling: DC Align: Auto	Input 2: 50 Ω Atten: 10 Corrections: On Preamp: Freq Ref: Int (S) μW Path NFE: Off #PNO: F	0 dB Trig: Free R Off Gate: Off Standard #F Gain: Lo ast	tun w	Center Freq: 2.20150000 Avg[Hold: 100/100 Radio Std: None	0 GHz	
1 Graph	,		Def Melve		n	Mkr1 2.20	1000000 GHz
Logue To.	JUB		Rei value	10.40 u	DIII		-02.002 0.011
36.4							
00.1							
20.4							
16.4							
6.40							
-3.60	1						
-13.6	1						
-23.6	1						
-33.6	1		<u> </u>	7			
43.6							
-40.0				11			
Center 2.2015	0 GHz		#Video BW	300.00	kHz*		Span 50 MHz
#Res BW 100	.00 kHz					Sweep	6.20 ms (1001 pts)
2 Metrics	,						
Tatal Charge		00.50 dBm / 4.00 MU					
Iotal Chan	lei Power	-23.59 dBitt/ 1.00 MHz					
Total Powe	r Spectral Densi	ty -83.59 dBm/Hz					
1		7 Jun 27, 2023 👝 🔿					
	•	7:09:20 AM					

Figure 8.3-122: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: LTE 20 MHz Notes: None



+

Span 50 MH ep 6.20 ms (1001 pts

+

Test data, continued



On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Frequency:	2200 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	LTE 20 MHz with IoT
Limit:	–19 dBm/200 kHz	Notes:	None

Figure 8.3-126: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz	Mode:
Meas. BW:	1 MHz	Tech.:
Limit:	–19 dBm/MHz	Notes:

Single-carrier operation LTE 20 MHz with IoT None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Multi-carrier operation Frequency: 2200 MHz Mode: Meas. BW: 1% of EBW Tech.: 2 × LTE 5 MHz with IoT1 Limit: -19 dBm/50 kHz Notes: None

Frequency:	2201 MHz	Mode:	Multi-carrier
Meas. BW:	1 MHz	Tech.:	2 × LTE 5 MHz
Limit:	–19 dBm/MHz	Notes:	None

oneration z with IoT1





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

 Frequency:
 2200 MHz
 Mode:
 Multi-carrier operation

 Meas. BW:
 1% of EBW
 Tech.:
 3 × LTE 5 MHz with IB (IoT1)

 Limit:
 -19 dBm/50 kHz
 Notes:
 None

Frequency:	2201 MHz	Mode:	Multi-carrier operation
Meas. BW:	1 MHz	Tech.:	3 × LTE 5 MHz with IB (IoT1)
Limit:	–19 dBm/MHz	Notes:	None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequen Meas. B Lin	cy: 21 W: 1% nit: -1	10 MHz 6 of EBW 9 dBm/50	kHz	M To No	ode: ech.: otes:	Multi-carrie 6 × LTE 5 M None	er operation Hz with IB (IoT1)
OBW Occupied B	w	PSD Swept SA			CSE Swept SA		BE 1 PC Channel Power
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Fi Gate: 0 #IF Ga	ee Run off n: Low	Center Freq: 2.200025000 Avg[Hold: 100/100 Radio Std: None	GHz



Figure 8.3-137: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Multi-carrier operation
Meas. BW:	1% of EBW	Tech.:	6 × LTE 5 MHz with IB (IoT1)
Limit:	–19 dBm/50 kHz	Notes:	None



Figure 8.3-136: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

· +

 Mode:
 Multi-carrier operation

 Tech.:
 6 × LTE 5 MHz with IB (IoT1)

 Notes:
 None



Figure 8.3-138: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz	Mode:	Multi-carrier operation
Meas. BW:	1 MHz	Tech.:	6 × LTE 5 MHz with IB (IoT1)
Limit:	–19 dBm/MHz	Notes:	None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-139: Conducted emission at the lower band edge

	er operation	lti-carrie	Mul	lode:	Μ			10 MHz	211	су:	requer
	MHz with GB	LTE 15 I	6 × 1	ech.:	T			of EBW	1%	W:	Meas. B
		пе	Non	otes:	N	Ηz	50 I	ə dBm/15	-19	nit:	Lin
• +	BE 1 PC Channel Power			CSE Swept SA			34	PSD Swent Si		w	OBW Occupied E
	l GHz	1: 2.200075000 0 00/100 None	Center Freq Avg[Hold: 10 Radio Std: N	ree Run Off ain: Low	Trig: Fi Gate: (#IF Ga	: 10 dB mp: Off ath: Standard): Fast	Λt Pr) μV #F	Input 2: 50 Q Corrections: On Freq Ref: Int (S) NFE: Off	RF ing: DC Auto	Input: R Couplin Align: A	
0000000 GH	Mkr1 2.20								•		I Graph
-35.311 dBm			Bm	alue 36.40 d	Ref Va					dB	Scale/Div 10.0
											_og
											16.4
						-					6.40
											3.60
				_	-1			-			13.6
					1-	+ +	1	+ +			23.6
_								-			33.6
							-				43.6
							-				53.6
Span 200 MH 272 ms (1001 pts	Sweep		kHz*	BW 100.00	Video	*				GHz 00 kHz	Center 2.2001 Res BW 30.0
									,		2 Metrics
							150 kH	-28.57 dBm / 1	ver	el Powe	Total Chann
						-	dBm/k	-80 34 d	ral Density	Spectra	Total Down

Figure 8.3-141: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Multi-carrier operation
Meas. BW:	1% of EBW	Tech.:	6 × LTE 15 MHz with GB
Limit:	–19 dBm/150 kHz	Notes:	None



Figure 8.3-140: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Multi-carrier operationTech.:6 × LTE 15 MHz with GBNotes:None



Figure 8.3-142: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz	Mode:	Multi-carrier operation
Meas. BW:	1 MHz	Tech.:	6 × LTE 15 MHz with GB
Limit:	–19 dBm/MHz	Notes:	None



Power Stat CCDF

+

Test data, continued



On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequen	cy:	2110 MHz		Mode:	Single-car	rier operation	
Meas. B	W:	1% of EBW		Tech.:	NR 5 MHz		
Lin	nit:	-19 dBm/50	kHz	Notes:	None		
OBW Occupied B	w	PSD Swept SA		CSE Swept S	A.	BE 1 PC Channel Power	• +
	Input: RF Coupling: D Align: Auto	C Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standar #PNO: Fest	Trig: Free Run Gate: Off d #IF Gain: Low	Center Freq: 2.2000250 Avg[Hold: 100/100 Radio Std: None	00 GHz	
1 Graph	•					Mkr1 2.20	0000000 GH
Scale/Div 10.0	dB			Ref Value 36.40	dBm		-30.325 dBn
26.4							
16.4							
6.40							
-3.60							
-13.6							
-23.6			_	1			
-33.6			_				
-43.6			-				_
-53.6							
Center 2.2000 #Res BW 10.0	3 GHz 00 kHz			#Video BW 30.00	0 kHz*	Sweep	Span 20 MH 247 ms (1001 pts
2 Metrics	•						
Total Chann	el Power	-24.71 dBm / 50	.0 kHz				
Total Power	Spectral De	ensity -71.70 d	Bm/Hz				

D Atten: 10 dB On Proamp Off at (S) µW Path: Sta Trig: Free Gallo: Off reg: 2.108 d: 100/103 Align: Auto 10.0 dB Ref Value 46.40 dBn -33.723 dl #Video BW 300.00 kHz nter 2.10850 GHz es BW 100.00 kHz Span 20 MH ep 2.53 ms (1001 pts Total Char -24.34 dBm / 1.00 MHz -84.34 dBm/Hz Total Power Spectral De U 07, 2023 .# 🖫 🗄 🗙

BE 1 MHz Channel P

BE 1 PC Channel Power

CSE Swept SA



Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: NR 5 MHz Notes: None



Figure 8.3-145: Conducted emission at the upper band edge

J III 🕷 🔣 💢

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	NR 5 MHz	
Limit:	–19 dBm/50 kHz	Notes:	None	

Figure 8.3-146: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode:Single-carrier operationTech.:NR 5 MHzNotes:None

Report ID: REP013195

Un 26, 2023





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

Figure 8.3-147: Conducted emission at the lower band edge

Frequency: 22 Meas. BW: 19 Limit: -2		110 MHz % of EBW 19 dBm/10	Mode: Single-carri Tech.: NR 10 MHz Notes: None			rier operation z		
OBW Occupied B	w	PSD Swept SA		CSE Swept S	4		BE 1 PC Channel Power	+
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Q Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Frei Avg[Hold: 1 Radio Std:	a: 2.200050000 00/100 None	GHz	
1 Graph	۲						Mkr1 2	.20000000 GH
Scale/Div 10.0	dB			Ref Value 36.40	dBm			-26.319 dB
Log								
20.4								
16.4								
6.40								
3.60								
13.6								
23.6								
33.6				k				
43.6					second and a second sec			
53.6								
				I				
enter 2.20005	GHz		*	Video BW 30.00	0 kHz*			Span 40 N

Span 40 MHz ms (1001 pts) 2 Metrics , -22.31 dBm / 100 kHz Total Channel Power Total Power Spectral Density -72.31 dBm/Hz 151:50 PM

Figure 8.3-149: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	NR 10 MHz	
Limit:	–19 dBm/100 kHz	Notes:	None	



Figure 8.3-148: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation NR 10 MHz Tech.: Notes: None

CSE Swept SA		E	BE 1 PC Channel Power			BE 1 M Chann	/Hz el P	ower	CCDF Power Stat CCDF	CCDF Power Stat CCDF		
L L	YSIGHT ⊺ • → •	Input: RF Coupling: DC Align: Auto	Input Z: Correcti Freq Re NFE: O	50 Ω ions: On ef: Int (S) ff	Atten: 10 dB Preamp: Off μW Path: Standard #PNO: Fast	Trig: F Gate: I #IF Ga	ree Run Off in: Low		Center Freq: 2.201500000 Avg[Hold: 100/100 Radio Std: None) GHz		
1 G	iraph									Mk	1 2.201000	000 GHz
SCI	ale/Div 10.0	aB				Ret va	ilue 46.	40 0	IBM		-01.	303 UDIII
20	9											
- 30												
26	4	[``										
16	.4					-+		+				
6.4	10											
-3.6	50											
-13	6											
		1										
-2.0							la an					
-33	.0								the second se			
-43	.6											
Cer	nter 2.20150) GHz				Video	BW 300	0.00	kHz*		s	Span 30 MHz
#Re	es BW 100.0	00 kHz									Sweep 3.73 m	is (1001 pts
2 N	letrics	,										
F	Total Chann	el Power	-22.96 d	iBm / 1.00 M	MHz							
I E	Total Power	Spectral Densit	y	-82.96 dBm	⊮Hz							
4	5	C 🔳 1	Jun 26 1:52:	5, 2023 14 PM								88 🔀

Figure 8.3-150: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz	
Meas. BW:	1 MHz	
Limit:	–19 dBm/MHz	

Mode: Single-carrier operation Tech.: NR 10 MHz Notes: None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequer Meas. B	icy: 2 IW: 2	2110 MHz 1% of EBW		Мо Те	de: ch.:	Single-ca NR 15 M	rrier operati Hz	on
Lin	nit: -	-19 dBm/15	0 kHz	Not	es:	None		
OBW Occupied E	sw	PSD Swept SA		C	SE wept SA		BE 1 PC Channel Power	· +
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Q Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Gate: Off #IF Gain:	Run Low	Center Freq: 2.20007 Avg Hold: 100/100 Radio Std: None	000 GHz	
1 Graph	,					-	Mk	r1 2.20000000 GH
Scale/Div/100)dB			Ref Valu	36.40	lBm		-29.527 080
Locution International								
Log								
26.4								
26.4 16.4								
26.4 16.4 6.40								
26.4 16.4 6.40 -3.60 13.6								
26.4 16.4 6.40 -3.60 -13.6 23.6								
26.4 16.4 6.40 -3.60 -13.6 -23.6 23.6								
26.4 16.4 6.40 -3.60 -13.6 -23.6 -33.6								
Log 26.4 16.4 6.40 -3.60 -13.6 -33.6 -33.6 -43.6 -33.6								
Log 26.4 16.4 6.40 -3.60 -13.6 -13.6 -33.6 -33.6 -33.6 -53.6 -53.6								

Cent #Res	er 2.20008 GHz BW 20.000 kHz				#Video BW 30.000 kHz*		Sweep 205	Span 60 MHz ms (1001 pts)	
2 Mo	trics	•							
Total Channel Power -23.74 dBm / 150 kHz				Hz					
Total Power Spectral Density -75.50 dBm/Hz				Hz					
4	5	■?	Jun 27, 2023 6:51:00 AM				.:: 🔖		

Figure 8.3-153: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	NR 15 MHz	
Limit:	–19 dBm/150 kHz	Notes:	None	



Figure 8.3-152: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation NR 15 MHz Tech.: Notes: None



Figure 8.3-154: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: NR 15 MHz Notes: None





On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequer Meas. E	ncy: BW:	2110 1% of	MHz EBW		Mode: Tech.:	Single-c NR 20 N	arri ЛНz	er operatio	n	
Lir	nit:	–19 d	Bm/20	0 kHz	Notes:	None				
OBW Occupied I	3W		PSD Swept SA		CSE Swept SA	A		BE 1 PC Channel Power		+
	Input: RF Coupling: D Align: Auto	C Con Free NFE	t Z: 50 Ω rections: On Ref: Int (S) :: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.200 Avg[Hold: 100/100 Radio Std: None	100000 (GHz		
1 Graph	•							Mkr	1 2.2000	00000 GI
Scale/Div 10.	0 dB				Ref Value 36.40	dBm			-3	2.179 dB
26.4										
16.4										
6.40										
-3.60										
-13.6										
-23.6										
-33.6										
-43.6									****	
-53.6										
Center 2.200 #Res BW 39.0	0 GHz 100 kHz			*	Video BW 30.00	0 kHz*			Sweep 93.0	Span 80 N 0 ms (1001 p
2 Motrics	IUU KHZ								Sweep 93.0	ms (1001
Total Chan	nel Power	-27	.28 dBm / 20	0 kHz						
Total Powe	r Spectral De	ensity	-80.29 dE	lm/Hz						

CSE Swept SA BE 1 MHz Channel P CCDF Power Stat CCDF BE 1 PC + KEYSIGHT Input RF Off Align: Auto Mkr1 2.109000000 GH -33.314 dBn Graph Scale/Div 10.0 dE ef Value 46.40 dBn 16.4 6.40 3.60 13.6 1 Center 2.10850 GHz #Res BW 100.00 kHz Span 50 MH eep 6.20 ms (1001 pts Motrics Total Channel Power -24.63 dBm / 1.00 MHz Total Power Spectral Density -84.63 dBm/Hz Un 27, 2023 の 7:34:07 AM

Figure 8.3-156: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: NR 20 MHz Notes: None

CSE Swept SA		BE 1 PC Channel	BE 1 PC Channel Power			z Power	CCDF Power Stat CCDF	+
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Gate: Off #IF Gain:	Run	Center Freq: 2.2015000 Avg[Hold: 100/100 Radio Std: None	00 GHz	
1 Graph Scale/Dir/ 10 (T)			Pof Valu	o 46 40	dPm	Mkr1	2.20100000 GHz
Log				NOI Valu	0.40.40	UBIII		-02.000 0.011
36.4								
26.4								
18.4								
6.40								
3.60								
12.0	1							
-13.0								
-23.0					V			
-33.0								
-43.6								
Center 2.2015	0 GHz			Video BV	N 300.0	0 kHz*		Span 50 MHz
2 Metrics	1 T							weep 0.20 ms (1001 pis)
Total Chann	nel Power	-23.37 dBm / 1.0	0 MHz					
Total Power	Spectral Densi	ty -83.37 d	Bm/Hz					
-		Jun 27, 2023						
	• •	7:17:00 AM						



Frequency:	2200 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	NR 20 MHz
Limit:	–19 dBm/200 kHz	Notes:	None

Figure 8.3-158: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

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Mode: Single-carrier operation Tech.: NR 20 MHz Notes: None

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On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



f EBW dBm/250 kHz Swept SA wit 2 50 Q metclons On Form Preamp Off great (16) iPNO Fixed	Tech Note Swer Trig: Free Ru Gate: Off fand #F Gain: Low	pt SA Market Center Freq: 2 AvgHold: 100 w Radio Std: No	BE 1 PC Channel Pc 2 200125000 GHz M100	wer Y	+
PSD Swept SA atZ 550 Alton: 10 dB proatro: Off F Off PROF Feed	CSE Sweg Gate: Off HF Gain: Low	pt SA m Center Freq: 2 AvglHold: 100 w Radio Std: No	BE 1 PC Channel Pc 2 200125000 GHz X100 ine	ower Y	+
PSD Swept SA xuf Z: 50 Ω Atten: 10 dB rections: On rections: On Fourt Stand #PNO. First	CSE Swey Gate: Off Jard #F Gain: Lov	pt SA un Center Freq: 2 Avg Hold: 100 w Radio Std: No	BE 1 PC Channel Pc 2.200125000 GHz 1/100 ine	ower •	+
xut Z: 50 Ω Atten: 10 dB rections: On Preamp: Off aq Ref: Int (S) μW Path: Stand #PNO: Fast	Trig: Free Ru Gate: Off dard #IF Gain: Low	un Center Freq; 2 Avg[Hold: 100 w Radio Std: No	2.200125000 GHz 2/100 ine		
				Mkr1 2.20000000) GHz
	Ref Value 3	6.40 dBm		-27.053	dBm
		ן			
		(
d	-	~			
	-				
L I	#Video BW 3	0.000 kHz*		Span 1 Sweep 80.1 ms (10	00 MHz 001 pts)
		#Video BW 3	SVideo BW 30.000 KHr*	EVideo BW 30.000 KHr*	EVideo BW 30.000 KHz* Sweep 80.1 ms (1



Figure 8.3-160: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: NR 25 MHz Notes: None

CSE Swept SA				BE 1 PC Channel Power			BE 1 MHz Channel Power			CCDF Power Stat CCDF		+
LT LT	YSIGHT	Input: RF Coupling: DC Align: Auto	Input Correc Freq F NFE	2:50 Ω ctions: On Ref: Int (S) Dff	Atten: 10 dB Preamp: Off μW Path: Standard #PNO: Fast	Trig: Fi Gate: (#IF Ga	ree Run Off in: Low		Center Freq: 2.201500000 Avg[Hold: 100/100 Radio Std: None) GHz		
1 Gr	aph								_	Mkr	1 2.201000	000 GHz
Scal	Ie/DIV 10.0	aB				Ret va	IUE 46.	40 0	IBM		-32.	403 UDIII
20 /												
30.*	1											
26.4	1	(martine and the second		******			~					
16.4	1						-	+				
6.40)											
-3.60												
-13.6	3							-				
22.6	. 1											
20.0	hand						- V.					
-33.0								Г				
-43.8	5											
Cent	ter 2.20150	GHz				Video	BW 30	0.00	kHz*		Suman 7.47 m	pan 60 MHz
2 Me	otrics	10 KH2									Sweep 7.47 m	is (1001 pis)
Т	otal Chann	el Power	-23.41	dBm / 1.00 M	MHz							
Т	otal Power	Spectral Der	isity	-83.41 dBm	٧Hz							
4	5		? Jun 3	27, 2023 :49 AM							.:: 📡	

Figure 8.3-161: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation	
Meas. BW:	1% of EBW	Tech.:	NR 25 MHz	
Limit:	–19 dBm/250 kHz	Notes:	None	

Figure 8.3-162: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

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Mode:Single-carrier operationTech.:NR 25 MHzNotes:None

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On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequency:	211	0 MHz		M	ode:	Single	-carri	er operation		
Meas. BW:	1%	of EBW		16	ch.:	NR 30	MHZ			
Limit:	-19	dBm/300) KHZ	NC	otes:	None				
OBW Occupied BW		PSD Swept SA			CSE Swept SA			BE 1 PC Channel Power		· +
LT +++ Align:	RF Ing: DC Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Fre Gate: O #IF Gair	e Run ff t Low	Center Freq: 2.2 Avg[Hold: 100/1 Radio Std: None	00150000 00	GHz		
1 Graph	•							Mkr1 :	2.20000	0000 GHz
Scale/Div 10.0 dB				Ref Val	ue 36.40	dBm			-29).780 dBm
26.4										
16.4										
6.40										
-3.60										
-13.6										
-23.6					- /1					
-33.6		- Andrewson and a second			- h.					
-43.6					-					
-53.6										
Center 2.20015 GHz #Res BW 51.000 kH	z		#	Video E	W 200.0	kHz*		Si	veep 56.1	Span 120 MHz ms (1001 pts
2 Metrics	•									
Total Channel Pov	ver	-25.05 dBm / 300) kHz							
	ral Density	70.92 dB	m/Hz							



Figure 8.3-164: Conducted emission 1 MHz away from the lower band edge

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Single-carrier operation Mode: NR 30 MHz Tech.: Notes: None

CSE Swept SA		BE 1 PC Channel F	ower		BE 1 M Chann	IHz el P	ower	 CCDF Power Stat CCDF 		+	
KEYSIGHT	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Fr Gate: C #IF Gai	ee Run Off in: Low		Center Freq: 2.2015000 Avg[Hold: 100/100 Radio Std: None	00 GHz			
1 Graph	· ·			_			-	Mkr	1 2.201000	000 G	iHz
Scale/Div 10.0	dB			Ref Val	lue 46.	40 d	Bm		-33.	182 di	зп
20.4											
30.4						Г					
20.4						1					
16.4						-					
6.40						-					
-3.60						-					
-13.6						-					
-23.6						1					
-33.6					_ L(
-43.6							and the second s				
						1					
Center 2.2015	GHz		#	Video I	BW 300	0.00	kHz ^x		Sumon 9.67 m	pan 70	MH
#Res BW 100.	UU KHZ								Sweep 8.67 m	is (1001	pts
2 Metrics	•										
Total Chann	el Power	-23.98 dBm / 1.00	MHz								
Total Power	Spectral Densit	y -83.98 de	3m/Hz								
1	a 🖬 🕯	Jun 27, 2023 🖌									*
	• •	8:10:50 AM								الا	×,

Figure 8.3-165: Conducted emission at the upper band edge

Frequency:	2200 MHz	Mode:	Single-carrier operation
Meas. BW:	1% of EBW	Tech.:	NR 30 MHz
Limit:	–19 dBm/300 kHz	Notes:	None

Figure 8.3-166: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

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Mode: Single-carrier operation Tech.: NR 30 MHz Notes: None

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On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.

2200 4411-Mode: Single-carrier operation Fraguancu

Frequency:	2200 1/11/12	woue:	Single-currier operation	
Meas. BW:	1% of EBW	Tech.:	NR 40 MHz	
Limit:	–19 dBm/400 kHz	Notes:	None	

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Single-carrier operation Tech.: NR 40 MHz Notes: None



CCDF Power Stat CCDF

+

Mkr1 2.109000000 GH; -31.622 dBn

Span 40 MH ep 5.00 ms (1001 pts

Test data, continued



On the plots below the measured Channel Power value in the "Total Channel Power" column must be -19 dBm and lower.



Frequen Meas. B Lin	cy: 2 W: 1 nit: -	2110 MHz 1% of EBW -19 dBm/50	kHz	Mode: Tech.: Notes:	Multi-carri 2 × NR 5 M None	er operation 1Hz
OBW Occupied B	w	PSD Swept SA		CSE Swept SA		BE 1 PC Channel Power
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: On Freq Ref: Int (S) NFE: Off	Atten: 10 dB Preamp: Off µW Path: Standard #PNO: Fast	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.200025000 Avg[Hold: 100/100 Radio Std: None) GHz
1 Graph	•					Mkr1
Scale/Div 10.0	dB			Ref Value 36.40 d	iBm	
26.4						
16.4						
6.40						
-3.60						
-13.6			+ +			
		1 1				

-22.48 dBm / 50.0 kHz

-69.47 dBm/Hz

Figure 8.3-172: Conducted emission 1 MHz away from the lower band edge

BE 1 MHz Channel P

ef Value 46.40 dBm

1

Off

Frequency:	2109 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

CSE Swept SA

Graph

16.4 6.40

Motrics

י +

Mkr1 2.20000000 GHz -21.482 dBm

Span 40 MHz Sweep 123 ms (1001 pts)

Total Channel Power

Total Power Spectral Density

++ Align: Auto

BE 1 PC

-22.47 dBm / 1.00 MHz

-82.47 dBm/Hz

Mode: Multi-carrier operation Tech.: 2 × NR 5 MHz Notes: None



Figure 8.3-173: Conducted emission at the upper band edge

Video BW 62.000 kHz

Frequency:	2200 MHz	Mode:	Multi-carrier operation	
Meas. BW:	1% of EBW	Tech.:	2 × NR 5 MHz	
Limit:	–19 dBm/50 kHz	Notes:	None	

Figure 8.3-174: Conducted emission 1 MHz away from the upper band edge

Frequency:	2201 MHz
Meas. BW:	1 MHz
Limit:	–19 dBm/MHz

Mode: Multi-carrier operation Tech.: $2 \times NR 5 MHz$ Notes: None

Center 2.20003 GHz #Res BW 20.000 kHz

Total Channel Power Total Power Spectral Density

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2 Metrics