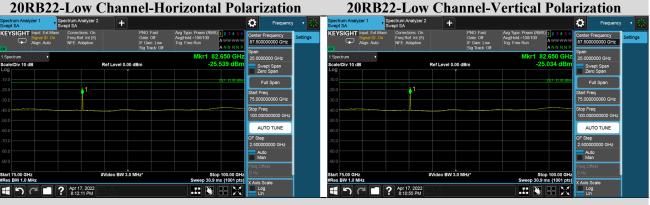
n261:1CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 343

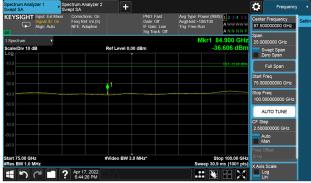
20RB22-Low Channel-Horizontal Polarization



20RB22-Middle Channel-Horizontal Polarization



20RB22-High Channel-Horizontal Polarization



20RB22-High Channel-Vertical Polarization

20RB22-Middle Channel-Vertical Polarization

DEKRA

Q

87.5

Swept Spa Zero Span

Auto Man

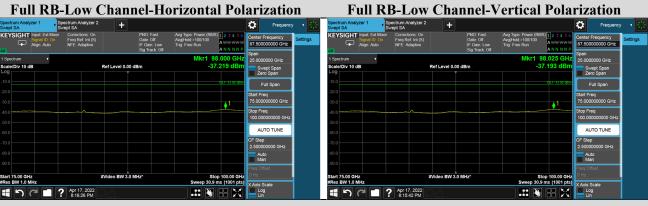
K Axis So Log Lin

Stop 100. ep 30.9 ms (10

wept SA	Spectrum Analyzer 2 Swept SA	+			Frequency	
KEYSIGHT Input: Ext Mixe Signal ID: On Align: Auto	r Corrections: On Freq Ref: Int (S) NFE: Adaptive	PNO: F Gate: C IF Gain Sig Tra	off Avg(Hold:>10 : Low Trig: Free Rut		Center Frequency 87.50000000 GHz	Setting
Spectrum v cale/Div 10 dB	Ref	Level 0.00 dBm	M	kr1 84.900 GHz -32.905 dBm		
				DL1 -13.00 dBm	Full Span	
	1				Start Freq 75.00000000 GHz	
0.0					Stop Freq 100.000000000 GHz	
					AUTO TUNE	
					CF Step 2.50000000 GHz	
					Auto Man	
tart 75.00 GHz Res BW 1.0 MHz	#Vic	leo BW 3.0 MHz*	Swe	Stop 100.00 GHz ep 30.9 ms (1001 pts)		
1 501	? Apr 17, 2022		.:			

n261:2CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 343

Full RB-Low Channel-Horizontal Polarization



Full RB-Middle Channel-Horizontal Polarization



Full RB-High Channel-Horizontal Polarization

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+			Frequency	
KEYSIGHT Input Ex Signal ID Align: Au	Con Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) 1 2 3 4 5 6 Avg Hold:>100/100 Trig: Free Run A N N N N P	Center Frequency 87.50000000 GHz	Sett
1 Spectrum				Mkr1 84.750 GHz	Span 25.0000000 GHz	
Scale/Div 10 dB		Ref Level 0.00 dB	m	-35.008 dBm	Swept Span Zero Span	
				DL1-13.00 dBm	Full Span	
		<u>ا</u>			Start Freq 75.00000000 GHz	
40.0		Å			Stop Freq 100.000000000 GHz	
					AUTO TUNE	
					CF Step 2.50000000 GHz	
					Auto Man	
					Freq Offset	
Start 75.00 GHz Res BW 1.0 MHz		#Video BW 3.0 MH	z*	Stop 100.00 GHz Sweep 30.9 ms (1001 pts)	0 Hz X Axis Scale	
1 7 7	Apr 17, 2022 8:19:26 PM				Log Lin	

Auto Man #Video BW 3.0 MHz

Full RB-Middle Channel-Vertical Polarization

Avg[Hold:>100 Trig: Free Run

DEKRA

Q

87.5

Swept Spa Zero Span

Frequer

Stop 100. p 30.9 ms (10 X Axis Sc Log Lin モ っ で I ? Apr 17, 2022 8:17:55 PM

Full RB-High Channel-Vertical Polarization

Swept SA	Swept SA							
KEYSIGHT Input		actions: On Ref: Int (S) Adaptive		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Pow Avg[Hold:>100 Trig: Free Run		Center Frequency 87.500000000 GHz Span	Settings
1 Spectrum	×				Mk	r1 98.000 GHz	25.0000000 GHz	
Scale/Div 10 dB		Re	f Level 0.00 o	dBm		-37.187 dBm	Swept Span Zero Span	
						DL1 -13.00 dBm	Full Span	
						<u></u> 1	Start Freq 75.000000000 GHz	
-40.0							Stop Freq 100.000000000 GHz	
							AUTO TUNE	
							CF Step 2.50000000 GHz	
							Auto Man	
							Freq Offset	
Start 75.00 GHz #Res BW 1.0 MHz		#Vi	deo BW 3.0 I	MHz*	Swee	Stop 100.00 GHz p 30.9 ms (1001 pts)	0 Hz X Axis Scale	
1 7 C	? Apr 8:1	17, 2022 8:53 PM	Δ					

n261:1CC-BW50MHz-RSE 75GHz to 100GHz - Beam ID 87+343

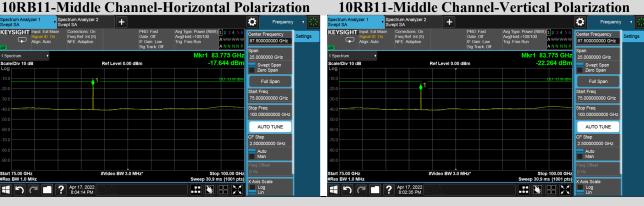
10RB11-Low Channel-Horizontal Polarization

10RB11-Low Channel-Vertical Polarization

DEKRA



10RB11-Middle Channel-Horizontal Polarization



10RB11-High Channel-Horizontal Polarization

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+		Frequency
KEYSIGHT Input Ext Signal ID Align: Aut	On Freq Ref: Int (S)	PNO: Fast Gate: Off IF Gain: Low Sig Track: Of	Avg Type: Power (RMS) 1 2 3 4 5 6 Avg Hold:>100/100 Trig: Free Run A N N N N P	Center Frequency 87.50000000 GHz
1 Spectrum Scale/Div 10 dB		Ref Level 0.00 dBm	Mkr1 84.975 GHz -16.493 dBm	20.00000000000
Log		Rei Level 0.00 dBm	-10.455 dBm	Swept Span Zero Span
-10.0		<u>1</u>	0L1-13.00 dBm	Full Span
-30.0				Start Freq 75.000000000 GHz
-40.0				Stop Freq 100.000000000 GHz
-60.0				AUTO TUNE
-70.0				CF Step 2.500000000 GHz
-80.0				Auto Man
Start 75.00 GHz		₽Video BW 3.0 MHz*	Stop 100.00 GHz	
#Res BW 1.0 MHz	Apr 17, 2022 8:06:39 PM		Sweep 30.9 ms (1001 pts)	X Axis Scale Log Lin

10RB11-High Channel-Vertical Polarization

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+			Frequency	· • ※
KEYSIGHT Input: Ext M Signal ID: O Align: Auto	xer Corrections: On Freq Ref: Int (S) NFE: Adaptive		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) 12 3 4 5 6 Avg[Hold:>100/100 Trig: Free Run A N N N N P	87.00000000 9Hz	Settings
1 Spectrum v Scale/Div 10 dB		Ref Level 0.00 d	Bm	Mkr1 84.975 GH: -24.421 dBn	Swept Span	
-10.0				QL1-13.00 dBn	Zero Span Full Span	
-20.0		• '			Start Freq 75.000000000 GHz	
-40.0					Stop Freq 100.000000000 GHz	
-60.0					AUTO TUNE CF Step	
-80.0					2.50000000 GHz Auto Man	
Start 75.00 GHz #Res BW 1.0 MHz		#Video BW 3.0 N	1Hz*	Stop 100.00 GH Sweep 30.9 ms (1001 pts		
	Apr 17, 2022 8:08:06 PM				X Axis Scale Log Lin	



n261:1CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 87+343

Frequency

Center Fi 87.5000 equency 0000 GHz

Swept Span Zero Span

Start Freq 75.000000

top Freq AUTO TUNE Step Auto Man

Stop 100.00 ep 30.9 ms (100

Sweep 30.9 ms (1001 pts) X Axis Scr Lin Log

20RB22-Low Channel-Horizontal Polarization

20RB22-Low Channel-Vertical Polarization



20RB22-Middle Channel-Horizontal Polarization Spectrum Analyzer 2 Swept SA Ö

+

el 0.00 dBr

#Video BW 3.0 MHz*

Corrections: On Freq Ref: Int (S) NFE: Adaptive

KEYSIGHT Input: Ext M

75.00 GHz BW 1.0 MH

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20RB22-High Channel-Horizontal Polarization



20RB22-High Channel-Vertical Polarization

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+			Frequency	· • 🛣
KEYSIGHT Input: Ext Mix Signal ID: On Align: Auto	er Corrections: On Freq Ref: Int (S) NFE: Adaptive		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) 12 3 4 5 6 Avg[Hold:>100/100 Trig: Free Run A N N N N P	Center Frequency 87.50000000 GHz	Settings
1 Spectrum			-	Mkr1 84.900 GHz -33.611 dBm	20.00000000000	
Scale/Div 10 dB		Ref Level 0.00 d	Bm	-33.611 0Bm	Swept Span Zero Span	
-10.0				DL1 -13.00 dBm	Full Span	
-30.0		1			Start Freq 75.00000000 GHz	
-40.0		L			Stop Freq 100.000000000 GHz	
					AUTO TUNE	
					CF Step 2.50000000 GHz	
					Auto Man	
Start 75.00 GHz #Res BW 1.0 MHz		¥Video BW 3.0 N	1Hz*	Stop 100.00 GH Sweep 30.9 ms (1001 pts	Freq Offset 0 Hz X Axis Scale	
1 7 7	Apr 17, 2022 6:56:16 PM			X 88 88 8 .		



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C Trace Setti Table

Math

Trace Function

n261:2CC-BW100MHz-RSE 75GHz to 100GHz - Beam ID 87+343

Full RB-Low Channel-Horizontal Polarization

Full RB-Low Channel-Vertical Polarization

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/el 0.00

deo BW 3.0 MH;

Spectrum Anal Swept SA

Corrections: On Freq Ref: Int (S)

IGHT

5.00 GHz W 1.0 MHz

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Full RB-Middle Channel-Horizontal Polarization



Full RB -High Channel-Horizontal Polarization



Full RB-Middle Channel-Vertical Polarization



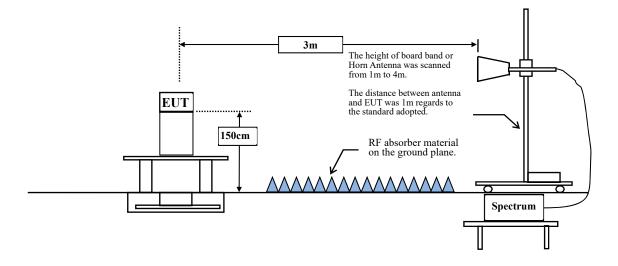
Full RB-High Channel-Vertical Polarization

Spectrum Analyzer 1 Swept SA	Spectrum Analyzer 2 Swept SA	+			Trace	• 🔣
KEYSIGHT Input: E Signal II Align: A	D: On Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Power (RMS) 1 2 3 4 5 Avg[Hold:>100/100 Trig: Free Run A N N N N	Trace 1	
Spectrum icale/Div 10 dB	•	Ref Level 0.00 d	IBm	Mkr1 84.725 GI -39.500 dB		Trace Control Detector
.og 10.0					Trace Average Max Hold	Math
					Min Hold	Trace Function
0.0		!			Restart Averaging	Normalize
					View/Blank Active	
					View	
					Blank	
tart 75.00 GHz Res BW 1.0 MHz	Apr 17, 2022	#Video BW 3.0 N	(Hz*	Stop 100.00 G Sweep 30.9 ms (1001 p		
ר ד	Apr 17, 2022 4:49:31 PM	$\Box\Delta$				



5. Band Edge

5.1. Test Setup



5.2. Limits

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

5.3. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the axis of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 or C63.4: 2014 on radiated measurement.

Spectrum setting:

- 1. Start and stop frequency was set such that both lowest and highest band edges are measured.
- 2. Span = set to large enough so as to measure all out of band emissions near the band edge.
- 3. Detector = RMS
- 4. Trace mode = trace average
- 5. Sweep time = auto couple
- 6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
- 7. The trace was allowed to stabilize
- 8. RBW = 1MHz, VBW = 3MHz
- 9. Antnena Gain at Band Edege:

Test Band	Frequency (GHz)	Antenna Gain (dBi)
20	37	19.8
n260	40	21.6
2(1	27.5	19.9
n261	28.35	20.2

5.4. Test Results

Lowest Band edge (n260-1CC-50 MHz)

Bandwidth	CC	Modulation	Band	Beam	Resource block	Frequency Range	Ant. Pol.	EIRP	Array Gain	Conductive Power	Limit	Margin															
	cc	wooulation	edge	ID		Ū																					
(MHz)					(RB)	(MHz)	× /	(dBm)	· ·	(dBm)	(dBm)	(dB)															
						36995-	Н	-11.91	19.80	-31.71	-5	-22.62															
				1RB0	37000	V	-7.82	19.80	-27.62	-																	
						<=36995	Н	-18.28	19.80	-38.08	-13	-24.59															
							V	-17.79	19.80	-37.59	_																
						36995-	Н	-11.18	19.80	-30.98	-5	-24.02															
				87	10RB0	37000	V	-9.22	19.80	-29.02	-																
						<=36995	Н	-16.24	19.80	-36.04	-13	-20.70															
							V	-13.90	19.80	-33.70	10	20170															
						36995-	Η	-16.78	19.80	-36.58	-5	-26.68															
					30RB0	37000	V	-11.88	19.80	-31.68		20.00															
					South	<=36995	Η	-16.67	19.80	-36.47	-13	-22.19															
						< 50775	V	-15.39	19.80	-35.19	15	22.17															
								373	373	373		36995-	Η	-13.30	19.80	-33.10	-5	-24.11									
				t 373	373	373	373				373	373	1RB0	37000	V	-9.31	19.80	-29.11		-27.11							
													373	373	373	IKD0		<=36995	Н	-17.18	19.80	-36.98	-13	-20.85			
																373	373	373			<-30995	V	-14.05	19.80	-33.85	-15	-20.85
																				36995-	Н	-9.60	19.80	-29.40	-5	-24.40	
50	1	BPSK	Lowest																373	10RB0	37000	V	-9.81	19.80	-29.61	-5	
50	1	DISK	Lowest																	575	515	575	575	575	5 10KB0	101000	101000
							~-30993	V	-13.96	19.80	-33.76	-13	-20.70														
																					36995-	Н	-10.49	19.80	-30.29	-5	25.20
																		20000	37000	V	-11.68	19.80	-31.48	-3	-25.29		
																			30RB0	<-2(005	Н	-15.42	19.80	-35.22	12	22.22	
												<=36995	V	-15.69	19.80	-35.49	-13	-22.22									
						36995-	Н	-5.84	19.80	-25.64	5	20.50															
					1000	37000	V	-5.70	19.80	-25.50	-5	-20.50															
					1RB0	< 26005	Н	-14.59	19.80	-34.39	10	21.20															
						<=36995	V	-16.45	19.80	-36.25	-13	-21.39															
						36995-	Н	-4.89	19.80	-24.69	_	10.00															
				07.040	10000	37000	V	-5.01	19.80	-24.81	-5	-19.69															
				87+343	10RB0		Н	-12.75	19.80	-32.55	10	10.02															
						<=36995	V	-12.03	19.80	-31.83	-13	-18.83															
						36995-	Н	-8.00	19.80	-27.80	_	-21.78															
					20550	37000	V	-6.98	19.80	-26.78	5																
					30RB0		Н	-15.87	19.80	-35.67	1.0	aa (=															
						<=36995	V	-17.01	19.80	-36.81	-13	-22.67															