Report No.: TERF2207001194ER Page: 170 of 321



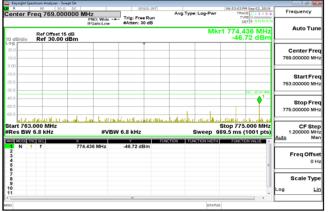
Cat_M1_Inband-1_Band13_5MHz_QPSK_1_0_LowCH23205-779.5

Keysight Spectrum Analyzer - Swe					
enter Freq 769.000		Trig: Free Run	Avg Type: Log-Pwr	06:51:47 PM Sep 03, 2019 TRACE 1 2 3 4 5 6 TYPE M WWWWW	Frequency
Ref Offset 15	IFGain:Low	#Atten: 30 dB	Mkr	1 773.632 MHz -45.36 dBm	Auto Tur
0.0					Center Fre 769.000000 MH
1.0					Start Fr 763.000000 M
					Stop Fr 775.000000 M
art 763.000 MHz Res BW 6.8 kHz		/ 6.8 kHz		Stop 775.000 MHz 89.5 ms (1001 pts)	CF Sto 1.200000 M Auto M
N 1 f 2 3 4 5	773.632 MHz	-45.36 dBm			Freq Offs
6 7 8					Scale Ty
0					Log L
2			STATUS		

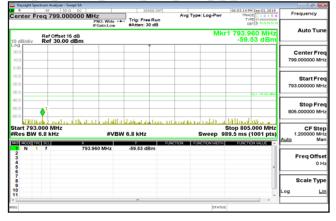
Cat M1 Inband-2 Band13 5MHz QPSK 1 0 LowCH23205-779.5

Keysight Spe	ctrum Analyzer - Swept S						
Center Fr	req 799.00000	0 MHz	Trig: Free Run	Avg Type: Log-Pwr	06:52:00 PM Sep 03, 2019 TRACE 1 2 3 4 5 6 Type M WWWWW	Frequency	
10 dB/div	Ref Offset 15 dB	IFGain:Low					
20.0 10.0						Center Free 799.000000 MH	
-10.0					CLT-35.00 dBe	Start Fre 793.000000 MH	
-40.0 -50.0 -60.0				lal for in density		Stop Fre 805.000000 MH	
Start 793. #Res BW	000 MHz 6.8 kHz		V 6.8 kHz		Stop 805.000 MHz 89.5 ms (1001 pts)	CF Ste 1.200000 MH Auto Ma	
1 N 1 23 4 5		794.740 MHz	-60.22 dBm			Freq Offse 0 H	
6 7 8 9 10 11						Scale Type	
*			н	STATU	3		

Cat_M1_Inband-1_Band13_5MHz_QPSK_1_0_MidCH23230-782



Cat M1 Inband-2 Band13 5MHz QPSK 1 0 MidCH23230-782



Cat_M1_Inband-1_Band13_5MHz_QPSK_1_0_HighCH23255-784.5

Keysight Spectrum Analyzer - Swept SA		SENSE ONT		06:54:53 PM Sep 03, 2019	
Center Freq 769.000000	PNO: Wide	Trig: Free Run	Avg Type: Log-Pwr	TRACE 1 2 3 4 5 6 TYPE HWWWWW DET 5 NNNN	Frequency
Ref Offset 15 dB	IFGain:Low	#Atten: 30 dB	Mki	1 774.772 MHz -59.45 dBm	Auto Tun
0 g 20.0 10.0					Center Fre 769.000000 MH
20.0				C.1 -35.00 albre	Start Fre 763.000000 MH
					Stop Fre 775.000000 MH
tart 763.000 MHz Res BW 6.8 kHz	#VBW	5.8 kHz		Stop 775.000 MHz 89.5 ms (1001 pts)	CF Ste 1.200000 MH Auto Ma
N 1 f 77 2 3 4 5	4.772 MHz	-59,45 dBm			Freq Offs
6 7 8 9 10					Scale Typ
90			STATUS		

Cat M1 Inband-2 Band13 5MHz QPSK 1 0 HighCH23255-784.5



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Cat_M1_Inband-1_Band13_10MHz_QPSK_1_0_MidCH23230-782

						A	alyzer - Swept SA	ectrum A	sight Spe	Key
Frequency	06:43:03 PM Sep 03, 2019 TRACE 1 2 3 4 5 6	: Log-Pwr	Avg Typ	SENSE:INT		00 MHz	50 D D	req 7	er Fr	R Cent
Auto Tun	1 774.556 MHz -40.37 dBm	Mkr1		: Free Run ten: 30 dB			offset 15 dB 30.00 dBn		Vdiv	10 de
Center Fre 769.000000 MH										20.0 10.0
Start Fre 763.000000 MH	ou - 25 m 1 A									10.0 20.0
Stop Fre 775.000000 MH						.1				40.0 50.0 60.0
CF Ste 1.200000 MH Auto Ma	3 2011, 112 2011, 113 Stop 775.000 MHz 19.5 ms (1001 pts)	Sweep 98		kHz	BW 6.8 KH	wed d ked és kés #VE	1Hz	.000 M 6.8 k	763.	Res
Freq Offse 0 H				37 dBm	-40.37	774.556 MHz		1	N 1	2345
Scale Typ										6 7 8 9
Log Li									_	11
		STATUS								193

Cat_M1_Inband-2_Band13_10MHz_QPSK_1_0_MidCH23230-782

Keysight Spectrum Analyzer -					
Center Freq 799.0	PNO: Wide ==	Trig: Free Run	Avg Type: Log-Pwr	06:43:14 PM Sep 03, 2019 TRACE 1 2 3 4 5 6 TUPE N WWWWW DET 5 NNNNN	Frequency
Ref Offset	IFGain:Low	#Atten: 30 dB	Mk	r1 800.752 MHz -62.04 dBm	Auto Tun
0 g 20.0 10.0					Center Fre 799.000000 MH
20.0				C. 1 - 35 00 albra	Start Fre 793.000000 Mi
10.0 50.0			•		Stop Fre 805.000000 Mi
tart 793.000 MHz Res BW 6.8 kHz	athan balan watan w	W 6.8 kHz		Stop 805.000 MHz 89.5 ms (1001 pts)	CF Ste 1.200000 Mi Auto Mi
N 1 f 2 3 4 5	800.752 MHz	-62.04 dBm			Freq Offs
6 7 8 9 10					Scale Typ
50			STATU	3	

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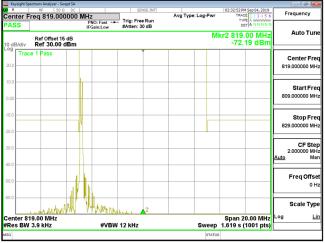
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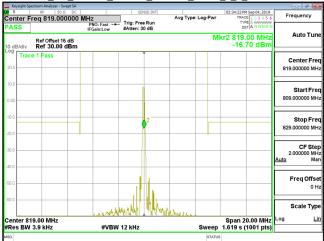


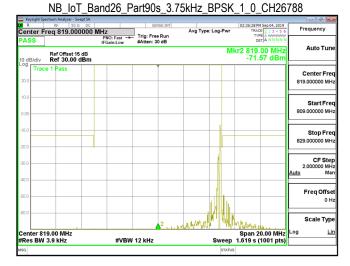
9.4.4 **Emissions Mask**

NB_loT_Band26_Part90s_3.75kHz_BPSK_1_0_CH26692

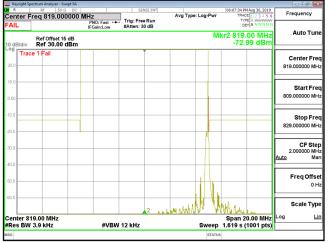


NB_IoT_Band26_Part90s_3.75kHz_BPSK_1_0_CH26740

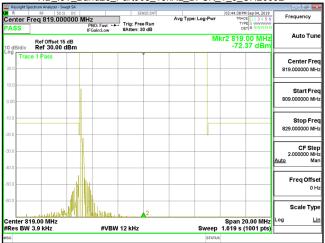




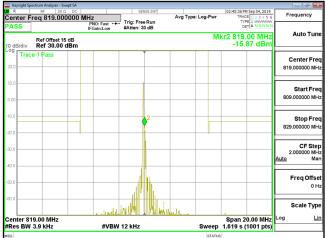
NB IoT Band26 Part90s 3.75kHz BPSK 1 47 CH26788



NB IoT Band26 Part90s 15kHz BPSK 1 0 CH26692



NB_IoT_Band26_Part90s_15kHz_BPSK_1_0_CH26740



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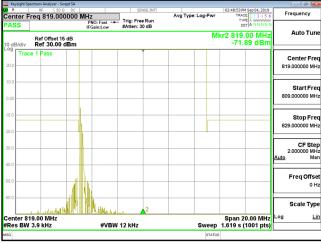
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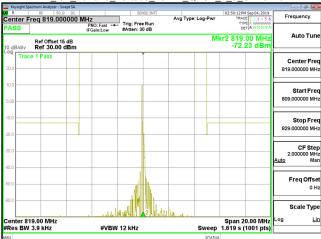


NB IoT Band26 Part90s 15kHz BPSK 1 0 CH26788

					trum Analyzer - Swept SA	
Frequency	02:46:44 PM Sep 04, 2019 TRACE 1 2 3 4 5 6	Avg Type: Log-Pwr	SENSE:INT		RF 50 Ω DC	R R
	TYPE A WWWWWW DET A NNNNN	Ang Type. Log-I m	: Free Run en: 30 dB	PNO East +++ Trig: F	eq 819.000000 N	PASS
Auto Tur	kr2 819.00 MHz -72.16 dBm	Mi			Ref Offset 15 dB Ref 30.00 dBm	10 dB/div
Center Fre 819.000000 MH					1 Pass	20.0 Trace
Start Fre 809.000000 M⊦						0.00
Stop Fre 829.000000 MF						20.0
CF Ste 2.000000 MH Auto Ma						30.0
Freq Offs 0 H						50.0
Scale Typ	Multinon	L. WILL	2			60.0
Log <u>L</u>	Span 20.00 MHz 1.619 s (1001 pts)	Sween	H7	#VBW 12 kHz		Center 819 Res BW 3
		STATUS		# • 3 • • • • • • • •		ISG

NB IoT Band26 Part90s 15kHz QPSK 1 0 CH26692

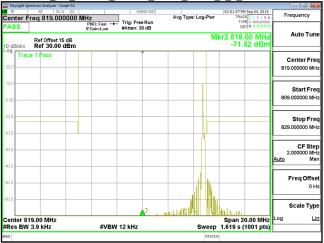




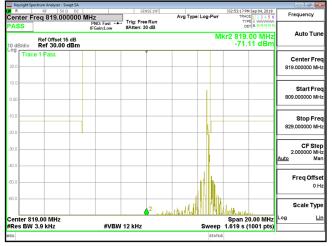
NB IoT Band26 Part90s 15kHz QPSK 1 0 CH26740

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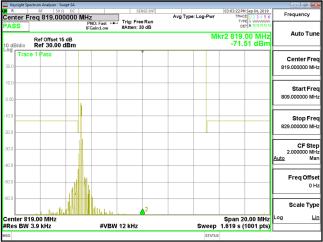
NB_IoT_Band26_Part90s_15kHz_QPSK_1_0_CH26788



NB IoT Band26 Part90s 15kHz QPSK 1 11 CH26788







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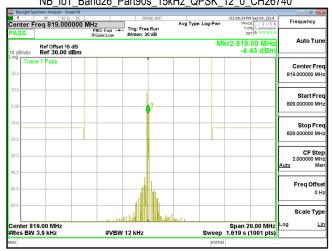
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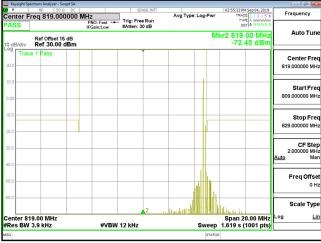
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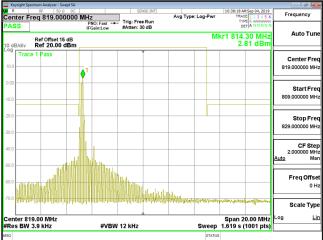
NB IoT Band26 Part90s 15kHz QPSK 12 0 CH26740



NB_IoT_Band26_Part90s_15kHz_QPSK_12_0_CH26788

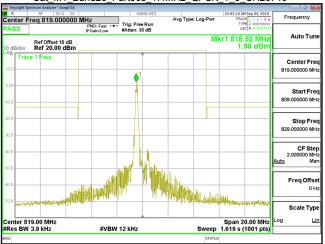


Cat M1 Band26 Part90s 1.4MHz QPSK 1 0 CH26697

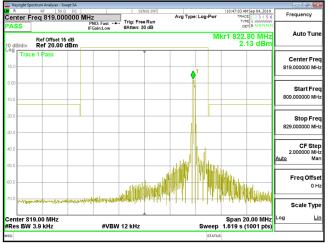


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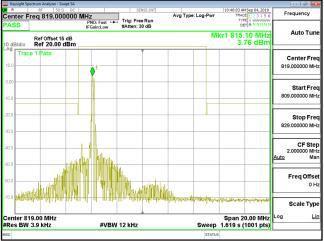
Cat M1 Band26 Part90s 1.4MHz QPSK 1 0 CH26740



Cat M1 Band26 Part90s 1.4MHz QPSK 1 0 CH26783



Cat M1 Band26 Part90s 1.4MHz QPSK 1 5 CH26697



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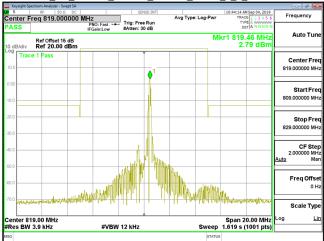
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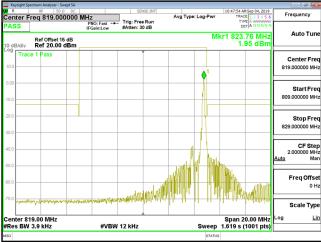
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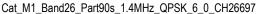


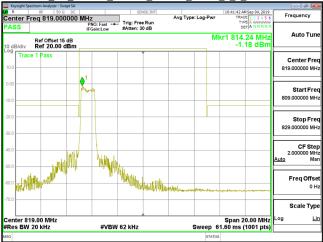
Cat M1 Band26 Part90s 1.4MHz QPSK 1 5 CH26740





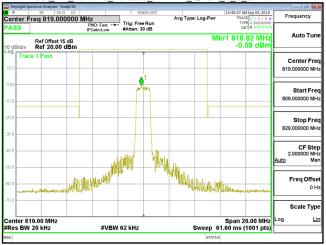




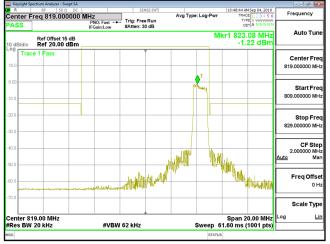


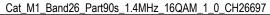
Report No.: TERF2207001194ER Page: 175 of 321

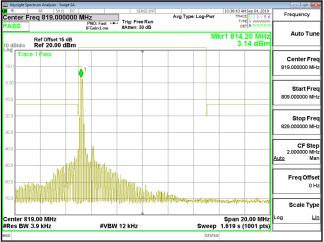
Cat M1 Band26 Part90s 1.4MHz QPSK 6 0 CH26740











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