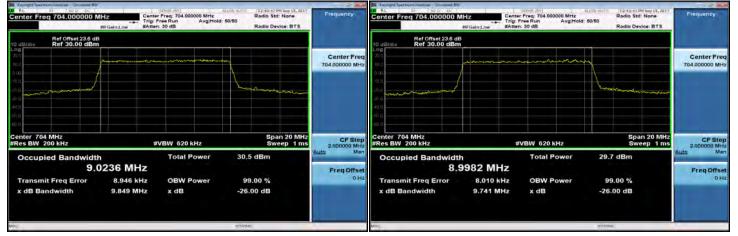


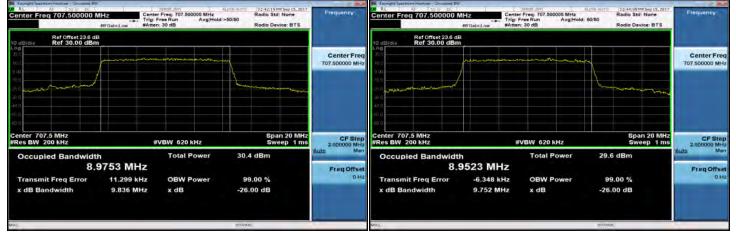
Band12_10MHz_QPSK_50_0_LowCH23060-704

Band12_10MHz_16QAM_50_0_LowCH23060-704

Band12 10MHz 16QAM 50 0 MidCH23095-707.5



Band12 10MHz QPSK 50 0 MidCH23095-707.5



Band12_10MHz_QPSK_50_0_HighCH23130-711

Band12_10MHz_16QAM_50_0_HighCH23130-711

Keyeght Spactnam Analyzer - Occupied BW				Keyinght Spectrum Anunyzer - Occupied BW			
Center Freg 711.000000 MHz	er Freg: 711.000000 MHz	Radio Std: None Radio Device: BTS	Frequency	Center Freg 711.000000 MHz	Center Freq: 711.000000 MHz Trig: Free Run AvgiHold: 50/5 #Atten: 30 dB	Radio Std: None	Frequency
10 dB/div Ref 30.00 dBm				Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			
Log 300 100	min-sin wip and the integra		Center Freq 711,000000 MHz	100 000	minning		Center Freq 711.000000 MHz
100 310 30 0 40 0				1000 2000 400		Lunnmun	
Center 711 MHz Res BW 200 kHz Sweep 1 ms Sweep 1 ms			Center 711 MHz #Res BW 200 kHz	#VBW 620 kHz	Span 20 MHz Sweep 1 ms	CF Step 2.000000 MHz Auto Man	
Occupied Bandwidth	Total Power	30.3 dBm	Butty mart	Occupied Bandwidth	Total Power	29.5 dBm	Bully man
9.0241 MHz Transmit Freq Error 5.051 kHz x dB Bandwidth 9.831 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	8.9707 N Transmit Freq Error -20 x dB Bandwidth 9.828	4 Hz OBW Power	99.00 % -26.00 dB	Freq Offset 0 Hz
		TATUE		ATIN: CARA		TATUE	_

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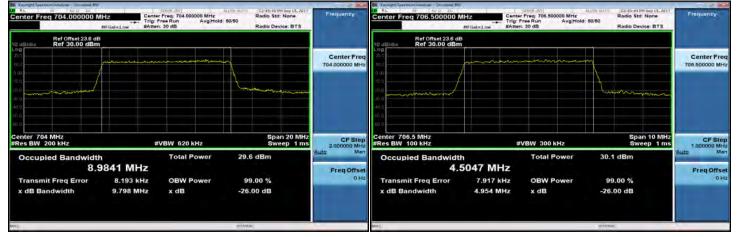
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Band12_10MHz_64QAM_50_0_LowCH23060-704

Band17_5MHz_QPSK_25_0_LowCH23755-706.5

Band17 5MHz QPSK 25 0 MidCH23790-710



Band12 10MHz 64QAM 50 0 MidCH23095-707.5



Band12_10MHz_64QAM_50_0_HighCH23130-711

Band17_5MHz_QPSK_25_0_HighCH23825-713.5

Bis Keyinght Spectrum Analyzer - Occupied BW				BE Keynight Spectrum Anunyzer - Occupied BW				
Center Freq 711.000000 MHz Center Trig:	r Freq: 711.000000 MHz Free Run Avg Hold: 5 n: 30 dB	10/ 80/00 112-47:15 PM Sep 15, 2017 Radio Std: None 0/50 Radio Device: BTS	Frequency	Center Freq 713.500000 Mi	HZ Center Freq Trig: Free R #Atten: 30 d	713.500000 MHz un Avg/Hold: 50/	Radio Std: None	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm				10 dB/div Ref Offset 23.6 dB				
100	ب وسندی می و من می و مند میدود.		Center Freq 711.000000 MHz	100 000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq 713,500000 MHz
10.00 10.00 30.00 40		have been and the second		200 200				
Center 711 MHz #Res BW 200 kHz #	VBW 620 kHz	Span 20 MHz Sweep 1 ms	CF Step 2.000000 MHz Auto Man	Center 713.5 MHz #Res BW 100 kHz		/ 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man
Occupied Bandwidth 8.9937 MHz	Total Power	29.5 dBm	California de	Occupied Bandwidth 4 5	191 MHz	otal Power	30.2 dBm	En al Olivert
Transmit Freq Error -14.095 kHz x dB Bandwidth 9.804 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2	Transmit Freq Error x dB Bandwidth	-2.238 kHz	DBW Power dB	99.00 % -26.00 dB	Freq Offset 0 Hz

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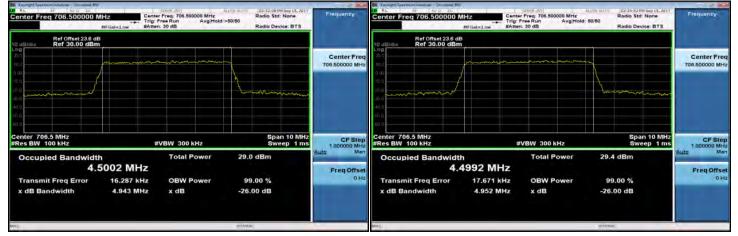
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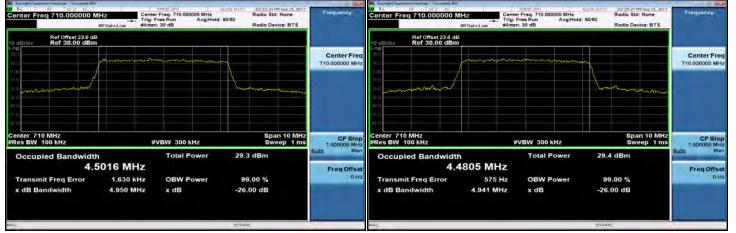
Band17_5MHz_16QAM_25_0_LowCH23755-706.5

Band17_5MHz_64QAM_25_0_LowCH23755-706.5

Band17 5MHz 64QAM 25 0 MidCH23790-710



Band17 5MHz 16QAM 25 0 MidCH23790-710



Band17_5MHz_16QAM_25_0_HighCH23825-713.5

Band17_5MHz_64QAM_25_0_HighCH23825-713.5

Keynght Spectrum Analyzer - Occupied BW				Keyeight Spectrum Analyze - Occupied BW			2.2.2
Center Freq 713.500000 MHz Center Trig	r Freq: 713.500000 MHz	Radio Std: None Radio Device: BTS	Frequency	Center Freq 713.500000 MHz	Center Freq: 713.500000 MHz Trig: Free Run AvgiHold: I ain:Low #Atten: 30 dB	Radio Std: None	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm				Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			
10.0 0.00			Center Freq 713.500000 MHz	100	man man man man and a second		Center Freq 713.500000 MHz
100 300 min		Inanterior		1910 2010 		Limenani	
Center 713.5 MHz #Res BW 100 kHz #	VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz	Center 713.5 MHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step
Occupied Bandwidth	Total Power	29.7 dBm	Auto Man	Occupied Bandwidth	Total Power	29.7 dBm	Auto: Man
4.5260 MHz Transmit Freq Error -2.586 kHz x dB Bandwidth 4.965 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error	37 MHz 1.318 kHz OBW Power 4.969 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 H2

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Band17_10MHz_QPSK_50_0_LowCH23780-709

Band17_10MHz_16QAM_50_0_LowCH23780-709

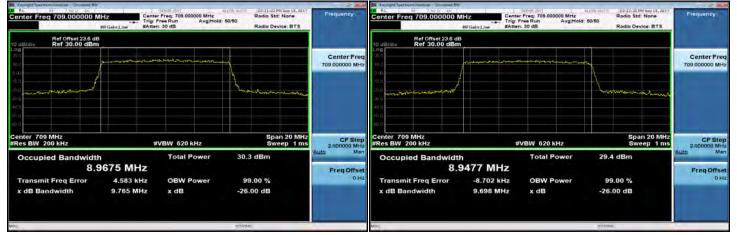
Band17 10MHz 16QAM 50 0 MidCH23790-710

Center Free

CF Ste

Freq Offse

Span 20 MH Sweep 1 m



Band17 10MHz QPSK 50 0 MidCH23790-710



Band17 10MHz QPSK 50 0 HighCH23800-711

Band17_10MHz_16QAM_50_0_HighCH23800-711

Bi Konnght Seathaim Anaryse - Occupied BW 20 RL NU Sig DC Center Freq 711.0000000 MHz #FGain:	Center Freq: 711.000 Trig: Free Run Low #Atten: 30 dB	ALTON AUTO (22:21:55 PM Sep 15, 2017 000 MHz Radio Std: None AvgiHold: 50/50 Radio Device: BTS	Frequency	Keynetit Selation Analyzer - Occupied BW RL		50/50 Radio Device: BTS	Frequency
Ref Offset 23.6 dB Ref 30.00 dBm	19.10		Center Freq 711.000000 MHz	Ref Officet 23.6 dB Log 20.0 10 dE/div Ref 30.00 dBm	af Marine and Marine Stranger and St		Center Fred 711,000000 MHz
(11) (11)		homewan				turnen	
Center 711 MHz #Res BW 200 KHz	#VBW 620 k	Span 20 MHz Hz Sweep 1 ms	2.000000 MHz	Center 711 MHz #Res BW 200 kHz	#VBW 620 kHz	Span 20 MHz Sweep 1 ms	CF Step 2.000000 MH
Occupied Bandwidth 8.9784	Total Po 4 MHz	ower 30.1 dBm	Auto Man Freg Offset	Occupied Bandwidth 8.9	Total Power 438 MHz	29.5 dBm	Freq Offset
Transmit Freq Error	-338 Hz OBW Pc 749 MHz x dB	ower 99.00 % -26.00 dB	0 Hz	i) = ²²	-5.256 kHz OBW Power 9.700 MHz x dB	99.00 % -26.00 dB	0 Hz
MPG)		STATUS		MIN)		STATUE	

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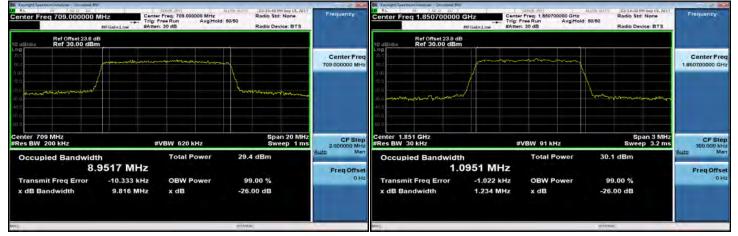
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Band17_10MHz_64QAM_50_0_LowCH23780-709

Band25_1_4MHz_QPSK_6_0_LowCH26047-1850.7



Band17 10MHz 64QAM 50 0 MidCH23790-710



Band17_10MHz_64QAM_50_0_HighCH23800-711

Band25_1_4MHz_QPSK_6_0_MidCH26365-1882.5



Band25_1_4MHz_QPSK_6_0_HighCH26683-1914.3

Keyinght Spectrum Analyzer - Occupied BW		1	M Keyeght Spactners Anulyzer - Occupied BW			
Center Freq 711.000000 MHz MFGainLow #Atten: 30 dB	Autor autor (C2:25:51 PM Sep 13, 2017) 1.000000 MHz Radio Std: None AvgiHold: 50/50 Radio Device: BTS	Frequency	Center Freq 1.914300000 GH	Gain:Low #Atten: 30 dB		Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm			
200 100 000	mana	Center Freq 711,000000 MHz	100 000			Center Fred 1.914300000 GHz
0.0 0 200 0 20 0 0 20 0 0	the second second		1929 200 300 400		Transmin and the second	
Center 711 MHz #Res BW 200 KHz #VBW 65	Span 20 MHz 20 kHz Sweep 1 ms		Center 1.914 GHz #Res BW 30 kHz	#VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Men
	al Power 29.3 dBm	Suto mart	Occupied Bandwidth	Total Power	30.4 dBm	Estato mar
8.9597 MHz Transmit Freq Error -8.446 kHz OBV x dB Bandwidth 9.835 MHz x dB	N Power 99.00 % 3 -26.00 dB	Freq Offset 0 Hz	1.09 Transmit Freq Error x dB Bandwidth	-2.390 kHz OBW Power 1.236 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
web)	STATUS		(CHIN		STATUS	* 1

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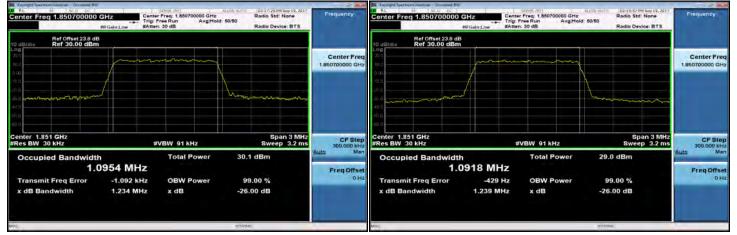
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Band25_1_4MHz_16QAM_6_0_LowCH26047-1850.7

Band25_1_4MHz_64QAM_6_0_LowCH26047-1850.7

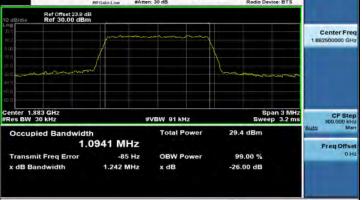


Band25 1 4MHz 16QAM 6 0 MidCH26365-1882.5



Band25_1_4MHz_16QAM_6_0_HighCH26683-1914.3

Band25 1 4MHz 64QAM 6 0 MidCH26365-1882.5 Radio Std: None



Band25_1_4MHz_64QAM_6_0_HighCH26683-1914.3

Bis Keyeight Spectrum Anunyzer - Occupied BW					Bis Keyeight Spectrum Anunyzer - Occupied BW				
Center Freq 1.914300000 GH		Freq: 1.914300000 GHz	Radio Std: None Radio Device: BTS	Frequency	Center Freq 1.914300000 G	Hz Center Trig: F	r Freq: 1,914300000 GHz Free Run AvgiHolo :: 30 dB	42101-8070 [02-21:15 PM sep 19, 2017 Radio Std: None d: 50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm					10 dB/div Ref 30.00 dBm				
100 100				Center Freq 1.914300000 GHz	100 000	m			Center Fred 1.914300000 GHz
			hannen		1918 2010 300 4019			Lanna marine	
Center 1.914 GHz #Res BW 30 kHz	#V	BW 91 kHz	Span 3 MHz Sweep 3.2 ms	300.000 kHz	Center 1.914 GHz #Res BW 30 kHz	#	VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	300.000 kHz
Occupied Bandwidth		Total Power	29.4 dBm	Auto Man	Occupied Bandwidth		Total Power	29.3 dBm	Auto Man
Transmit Freq Error	87 MHz 3.941 kHz 1.238 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2	1.0 Transmit Freq Error x dB Bandwidth	945 MHz -469 Hz 1.246 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
(CHIN			TATUE	, i	(PMM)			TATUS	

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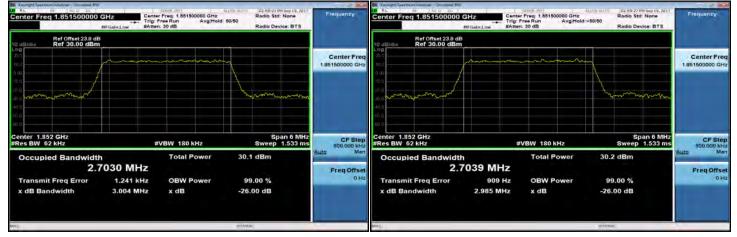
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Band25_3MHz_QPSK_15_0_LowCH26055-1851.5

Band25_3MHz_16QAM_15_0_LowCH26055-1851.5

Band25 3MHz 16QAM 15 0 MidCH26365-1882.5



Band25_3MHz_QPSK_15_0_MidCH26365-1882.5



Band25_3MHz_QPSK_15_0_HighCH26675-1913.5

Band25_3MHz_16QAM_15_0_HighCH26675-1913.5

Keynght Spectram Analyse - Occubed BW BL	Hz Center	Freq: 1.913500000 GHz Free Run AvgiHold I	104 8070 (02.58:56 PM Sep 19, 2017 Radio Std: None Radio Device: 815	Frequency	Conter Freq 1.913500000 G	Genter Free Trig: Free FGain:Low #Atten: 30 (1.913500000 GHz Run Avg Hold: 50/50	Radio Std: None	Frequency
Ref Offset 23,8 dB 10 dB/div Ref 30.00 dBm 10 dB/div 0 dBm 10 dB/div 0 dBm	and the second	and a management		Center Freq 1.913500000 GHz	Ref Offset 23.9 dB Log 20.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0				Center Freq 1.913500000 GHz
					10 0 20 0 30 0 40 0 40 0 50 0			Land and the second	
Center 1.914 GHz #Res BW 62 kHz	#	VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 500,000 kHz Auto Man	Center 1.914 GHz #Res BW 62 kHz	#VBV	V 180 KHz	Span 6 MHz Sweep 1.533 ms	and and him
	005 MHz	Total Power	30.6 dBm	Freq Offset		007 MHz		30.6 dBm	FreqOffset
Transmit Freq Error x dB Bandwidth	-1.076 kHz 2.982 MHz	OBW Power x dB	99.00 % -26.00 dB	0 Hz	Transmit Freq Error x dB Bandwidth		DBW Power	99.00 % -26.00 dB	0 Hz
(CRIM			STATUS		(Peres			ITATME	1

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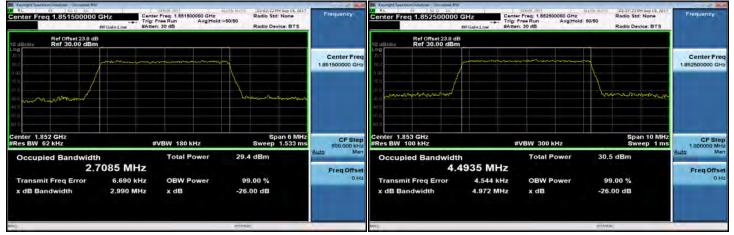
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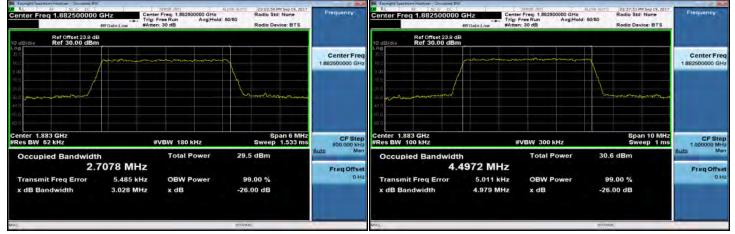
Band25_3MHz_64QAM_15_0_LowCH26055-1851.5

Band25_5MHz_QPSK_25_0_LowCH26065-1852.5

Band25 5MHz QPSK 25 0 MidCH26365-1882.5



Band25 3MHz 64QAM 15 0 MidCH26365-1882.5



Band25 3MHz 64QAM 15 0 HighCH26675-1913.5

Band25_5MHz_QPSK_25_0_HighCH26665-1912.5

Kwyinght Spectrum Anulyzer - Occupied BW				Keyinght Spectrum Analyzer - Occupied BW		
	Freq: 1.913500000 GHz ree Run Avg Hold: 50	Radio Std: None Radio Device: BTS	Frequency	Conter Freq 1.312300000 GHz	Center Freq: 1.912500000 GHz Radio S Trig: Free Run Avg/Hold >50/50	75M Sep 19, 2017 Itd: None Frequency Device: BTS
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				Ref Offset 23.8 dB		
	in a first and a second second		Center Freq 1.913500000 GHz	100 100		Center Freq 1.912500000 GHz
		hanne		200 S00 		m
Center 1.914 GHz #Res BW 62 kHz #1	/BW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 500.000 kHz Auto Man	Center 1.913 GHz #Res BW 100 kHz	#VBW 300 kHz \$	Dan 10 MHz Weep 1 ms
Occupied Bandwidth 2.7082 MHz	Total Power	29.9 dBm	Contraction of the local division of the loc	Occupied Bandwidth 4.4986 MH:	Total Power 30.7 dBm	
Transmit Freq Error 5.583 kHz x dB Bandwidth 3.008 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	4.4300 WITA Transmit Freq Error 227 H x dB Bandwidth 4.981 MH	z OBW Power 99.00 %	Freq Offset 0 Hz
		STATUE		Distance of the second s	ertátus	

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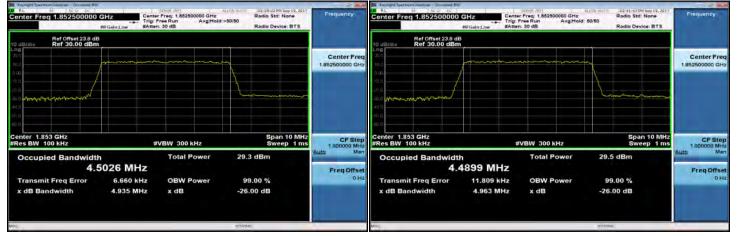
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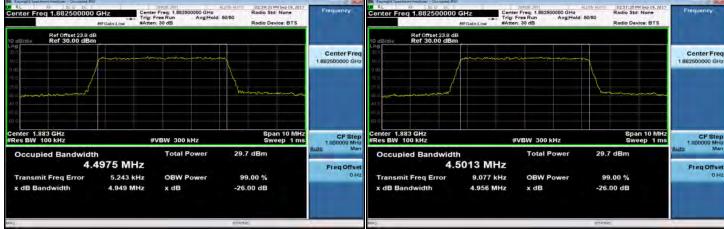
Band25_5MHz_16QAM_25_0_LowCH26065-1852.5

Band25_5MHz_64QAM_25_0_LowCH26065-1852.5

Band25 5MHz 64QAM 25 0 MidCH26365-1882.5



Band25 5MHz 16QAM 25 0 MidCH26365-1882.5



Band25 5MHz 16OAM 25 0 HighCH26665-1912.5

Band25 5MHz 64OAM 25 0 HighCH26665-1912.5

Conditional Analysis - Could By 1 RL III 20 G DC Center Freq 1.912500000		r Freq: 1.912500000 GHz Free Run Avg Hold:	LIGN AUTO 02:40:00 PM Sep 19, 2017 Radio Std: None Radio Device: BTS	Frequency	Reproduction Analysis - Occupied BW 19 RL Nr Store Dc N Center Freq 1.912500000	and the second of	Freq: 1.912500000 GHz	ALION AUTO 02:52:09 PM Sep 19, 2017 50/50 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 23.8 dB					Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				
10.0	promonent		¬	Center Freq 1.912500000 GHz	30.0	, man and a second			Center Free 1.912500000 GH
			howand		0.00 20.0 40.0 40.0			Lawminn	
Center 1.913 GHz #Res BW 100 kHz		VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man	WRes BW 100 KHZ		/BW 300 kHz	Span 10 MHz Sweep 1 ms	CF Ster 1.000000 MH Auto Mai
Occupied Bandwidth 4.5	5014 MHz	Total Power	29.7 dBm	Freq Offset	Occupied Bandwidth 4.4	1920 MHz	Total Power	29.8 dBm	Freq Offse
Transmit Freq Error x dB Bandwidth	6.670 kHz 4.951 MHz	OBW Power x dB	99.00 % -26.00 dB	OHZ	Transmit Freq Error x dB Bandwidth	2.886 kHz 4.960 MHz	OBW Power x dB	99.00 % -26.00 dB	OH
(FA)			STATME		ATING .			STATME	

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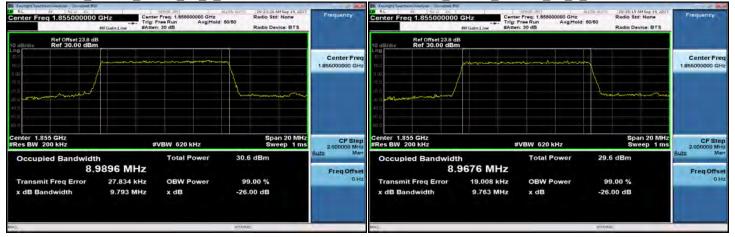
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Band25_10MHz_QPSK_50_0_LowCH26090-1855

Band25 10MHz 16QAM 50 0 LowCH26090-1855

Band25 10MHz 16QAM 50 0 MidCH26365-1882.5



Band25 10MHz QPSK 50 0 MidCH26365-1882.5



Band25_10MHz_QPSK_50_0_HighCH26640-1910

Band25_10MHz_16QAM_50_0_HighCH26640-1910

Keyeight Spectrum Analyzer - Occupied BW			2 2 M	M Keyerght Spactesim Anulyzer - Occupied Bill			
Conter med 1.3 10000000 GHz	Center Freq: 1.910000000 GHz rig: Free Run Avg Hold: 50 Atten: 30 dB	Radio Std: None Radio Device: BTS	Frequency	Center Freq 1.91000000	GHZ Center Freq: 1.91 Trig: Free Run #FGain:Low #Atten: 30 dB	ALION SUITO 10 C27:32 AM Seg 0000000 GHE Radio Std: Nor Avg Hold >50/50 Radio Device:	Frequency
Ref Offset 23.8 dB 10 dE/div Ref 30.00 dBm				Ref Offset 23.8 dE 10 dE/div Ref 30.00 dBm	3		
100 000	a_a-1_0000000000000000000000000000000000		Center Freq 1.910000000 GHz	10,0	para and a second	mining	Center Fred 1.910000000 GHz
100 300 300 400		Luci		010 010 000		human	ur-March
Center 1.91 GHz #Res BW 200 kHz	#VBW 620 kHz	Span 20 MHz Sweep 1 ms		Center 1.91 GHz #Res BW 200 kHz	#VBW 62	Span 2 0 KHz Sweep	
Occupied Bandwidth	Total Power	30.9 dBm	a second second second	Occupied Bandwidt		Power 30.1 dBm	Contraction of the local division of the loc
8.9985 MHz Transmit Freq Error 2.266 kHz x dB Bandwidth 9.822 MHz	OBW Power	99.00 % -26.00 dB	Freq Offset 0 Hz		9530 MHz 11.496 kHz OBW 9.745 MHz x dB	/ Power 99.00 % -26.00 dB	Freq Offset 0 Hz
MR3		STATUS		MIRA).		STATUE	

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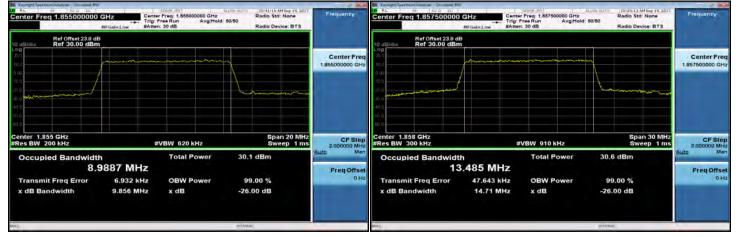
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Band25_10MHz_64QAM_50_0_LowCH26090-1855

Band25_15MHz_QPSK_75_0_LowCH26115-1857.5



Band25 10MHz 64QAM 50 0 MidCH26365-1882.5



Band25 10MHz 64QAM 50 0 HighCH26640-1910

Band25 15MHz QPSK 75 0 MidCH26365-1882.5



Band25 15MHz QPSK 75 0 HighCH26615-1907.5

Krynght Spectrum Analyse - Occupied BW OU RL IV Store De V Center Freq 1.9100000000	GHZ Center	Freq: 1.91000000 GHz ree Run AvgiHold:	LION SUTO 170-4212 AM Sep 19, 2017 Radio Std: None Radio Device: BTS	Frequency	Keynght Spatneri Analyze - Occupied BW D RL RF Store Dc 3 Center Freq 1.907500000	Trig:	r Freq: 1.907500000 GHz	>50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB				Center Freq 1.910000000 GHz			nga pantanja ndi kang panang	-	Center Freq 1.907500000 GHz
000 200 300 mmch.s.m.an., an., an.					NED 2010 			Lum	~
Center 1.91 GHz #Res BW 200 kHz Occupied Bandwidth		VBW 620 kHz Total Power	Span 20 MHz Sweep 1 ms 29.9 dBm	CF Step 2.000000 MHz Auto Man	Center 1.908 GHz #Res BW 300 kHz Occupied Bandwidth		VBW 910 kHz Total Power	Span 30 M Sweep 1 r 30.9 dBm	
	9894 MHz -711 Hz 9.814 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2		.451 MHz 12.113 kHz 14.71 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2
W(S)			STATUS.	<u></u>	(cen			TAINS	

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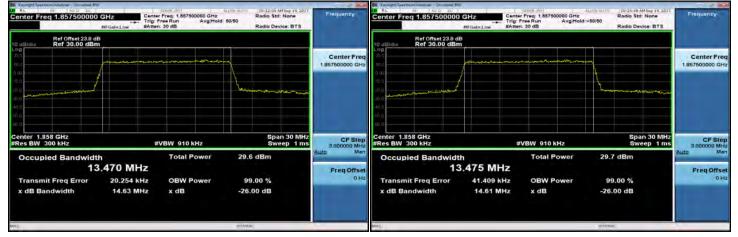
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Band25_15MHz_16QAM_75_0_LowCH26115-1857.5

Band25_15MHz_64QAM_75_0_LowCH26115-1857.5



Band25 15MHz 16QAM 75 0 MidCH26365-1882.5



Band25_15MHz_16QAM_75_0_HighCH26615-1907.5

Band25 15MHz 64QAM 75 0 MidCH26365-1882.5



Band25_15MHz_64QAM_75_0_HighCH26615-1907.5

References and the second seco	Trig:	SUNSE JUT T Freq: 1.907500000 GHz Free Run Avg Hold: 50 n: 30 dB	Radio Std: None Radio Device: BTS	Frequency	Keynght Spatnum Analyze - Occupied By D RL NF Se G Dc 1 Center Freq 1.907500000 (Trig:	r Freq: 1.907500000 GHz	ALION AUTO 10020:30 AM Sep 19, 20 Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Officet 23.8 dB	prinselanta, er in ter baser in sti	and the second		Center Freq 1.907500000 GHz	Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm 200		Center Freq 1.907500000 GHz		
000 100 200 200 400			Landerson		0 00 10 0 20 0 30 0 40 0			Landon and when the	đ
Center 1.908 GHz #Res BW 300 kHz		VBW 910 kHz Total Power	Span 30 MHz Sweep 1 ms 30.1 dBm	CF Step 3:00000 MHz Auto Man	Center 1.908 GHz #Res BW 300 kHz		VBW 910 kHz Total Power	Span 30 MH Sweep 1 m 30.0 dBm	
Occupied Bandwidth 13. Transmit Freq Error x dB Bandwidth	.447 MHz 8.087 kHz 14.72 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2	Occupied Bandwidth 13. Transmit Freq Error x dB Bandwidth	470 MHz 15.711 kHz 14.62 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2
wea)			STATUE		AVISO .			STATUS	

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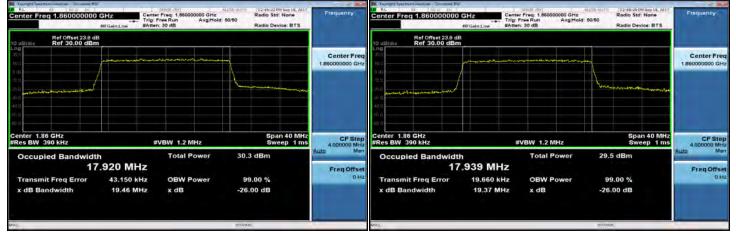
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Band25_20MHz_QPSK_100_0_LowCH26140-1860

Band25_20MHz_16QAM_100_0_LowCH26140-1860

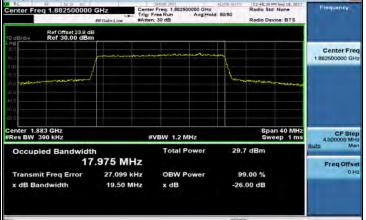


Band25_20MHz_QPSK_100_0_MidCH26365-1882.5



Band25_20MHz_QPSK_100_0_HighCH26590-1905

Band25_20MHz_16QAM_100_0_MidCH26365-1882.5



Band25_20MHz_16QAM_100_0_HighCH26590-1905

	MFGain:Low #Atter	sansar.sim r Freq: 1,905000000 GHz Free Run AvgiHold: 6 n: 30 dB	106: 8UFO 122-47:26 EM Sep 18, 2017 Radio Std: None Radio Device: BTS	Frequency	Reventil Spectrum Analyse - Occupies Bio RL RL RP RP - Spectrum Center Freq 1.9050000000	MFGain:Low #Atte	strict Jur er Freq: 1.905000000 GHz Free Run AvgiHold n: 30 dB	ALION BUTO 712-49:02194 Sep 18, 2017 50/50 Radio Std: None Radio Device: BTS	Frequency
10 dB/div Ref 30.00 dBm Log 30.0 10.0		ang the grant the start of the		Center Freq 1.905000000 GHz	Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm Log 30.0 10.0		an and the state of the state o	-	Center Freq 1.905000000 GHz
0 000 Alt 0 2010 			Jananan		0 00 1010 2010 30 0 4 0 0			tomore	
Center 1.905 GHz #Res BW 390 kHz		VBW 1.2 MHz Total Power	Span 40 MHz Sweep 1 ms 31.0 dBm	CF Step 4.000009 MHz <u>Auto</u> Man	Center 1.905 GHz #Res BW 390 kHz		VBW 1.2 MHz Total Power	Span 40 MHz Sweep 1 ms 30.0 dBm	CF Step 4.000000 MHz Auto Man
Occupied Bandwidth 18 Transmit Freq Error x dB Bandwidth	2.107 kHz 28.62 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 H2	Occupled Bandwidti 17 Transmit Freq Error x dB Bandwidth	n -964 MHz -17.733 kHz 19.52 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
Per contract of the second			STATUE		Mag)			styte	

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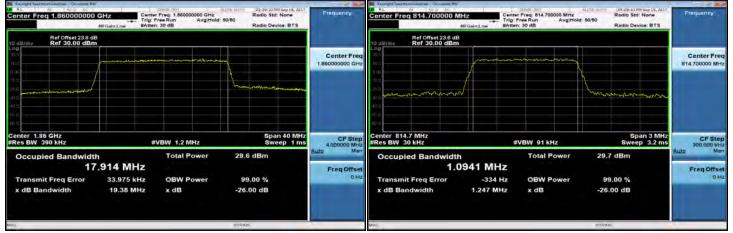
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Band25 20MHz_64QAM_100_0_LowCH26140-1860

Band26_1_4MHz_QPSK_6_0_LowCH26697-814.7

Band26_1_4MHz_QPSK_6_0_MidCH26865-831.5



Band25_20MHz_64QAM_100_0_MidCH26365-1882.5



Band25_20MHz_64QAM_100_0_HighCH26590-1905

Band26_1_4MHz_QPSK_6_0_HighCH27033-848.3

RL III Succession Analyzer - Occupied BW RL III Salor DC Center Freq 1.9050000000	GHz Cente	r Freq: 1.905000000 GHz Free Run AvgiHold > 1: 30 dB	Radio Std: None 50/50 Radio Device: BTS	Frequency	Center Freq 848.300000 MH	Center Freq 848.3 Trig: Free Run #Atten: 30 dB	ALION AUTO (05:09:20 PM Sep 1 00000 MHz Radio Std: None Avg Hold: 50/50 Radio Device: 8	Frequency
Ref Offset 23.8 dB				Center Freq	Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			Center Fred
10.0 9.00	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	and the second		1.905000000 GHz	10 d () 40 -	/ marine have a second		848,300000 MHz
20.0 20.0 46.0			man and a second a		100 200 300 400		Lunin	^~~
Center 1.905 GHz #Res BW 390 kHz		VBW 1.2 MHz	Span 40 MHz Sweep 1 ms	CF Step 4.00000 MHz Auto Men	Center 848.3 MHz #Res BW 30 kHz	#VBW 91		MHz CF Step 2 ms 300.000 kHz
Occupied Bandwidth 17	.980 MHz	Total Power	30.0 dBm	Freq Offset	Occupied Bandwidth 1.09	Total 954 MHz	Power 29.9 dBm	Freq Offset
Transmit Freq Error x dB Bandwidth	-20.619 kHz 19.78 MHz	OBW Power x dB	99.00 % -26.00 dB	QHZ	Transmit Freq Error x dB Bandwidth	-817 Hz OBW 1.236 MHz x dB	Power 99.00 % -26.00 dB	OHa
(m)			STATUS		MING .		STATUE	

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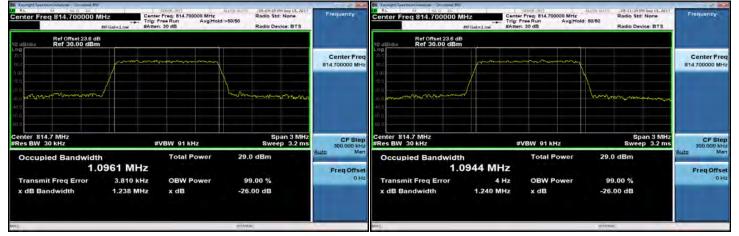
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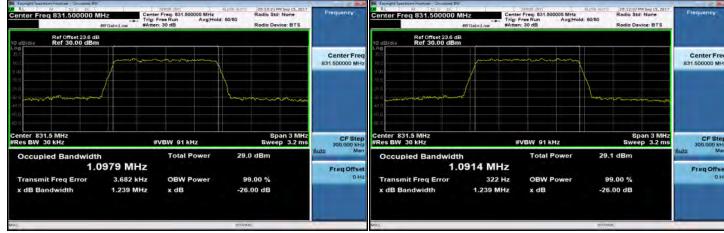
Band26_1_4MHz_16QAM_6_0_LowCH26697-814.7

Band26_1_4MHz_64QAM_6_0_LowCH26697-814.7

Band26 1 4MHz 64QAM 6 0 MidCH26865-831.5



Band26_1_4MHz_16QAM_6_0_MidCH26865-831.5



Band26_1_4MHz_16QAM_6_0_HighCH27033-848.3

Band26_1_4MHz_64QAM_6_0_HighCH27033-848.3

Kvynght Spactnam Analyzer - Occupied BW				Bit Keynight Spactramininger - Occupied BW			
Contor med 640,300000 miliz	sense Juri Inter Freq: 848.300000 MHz g: Free Run AvgiHala tten: 30 dB	ALION AUTO (05:10:46 PM Sep 13, 2017 Radio Std: None 1: 50/50 Radio Device: BTS	Frequency	Center Freq 848,300000 MH	E Center Freq: 848.300000 MHz Trig: Free Run AvgiHo FGain:Low #Atten: 30 dB	ALION AUTO: 105-12:30 PM Sep 13, 3017 Radio Std: None Radio Device: BTS	Frequency
10 dB/div Ref 30.00 dBm				10 dB/div Ref 0ffset 23.6 dB			
100 000			Center Freq 848.300000 MHz	100 100 000			Center Fred 848 300000 MHz
		purante		200 200 400		Lannan	
Center 848.3 MHz #Res BW 30 kHz	#VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Man	Center 848.3 MHz #Res BW 30 kHz	#VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Man
Occupied Bandwidth 1.1008 MHz	Total Power	28.9 dBm		Occupied Bandwidth	Total Power 964 MHz	28.7 dBm	
Transmit Freq Error 4.256 kHz x dB Bandwidth 1.238 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	414 Hz OBW Power 1.237 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
(24)M		STATUS		(CRIM		STATUS	

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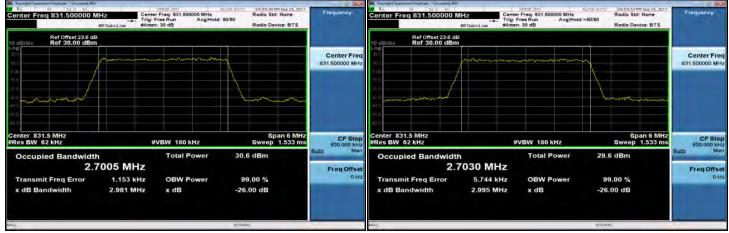
Band26_3MHz_QPSK_15_0_LowCH26705-815.5

Band26_3MHz_16QAM_15_0_LowCH26705-815.5

Band26 3MHz 16QAM 15 0 MidCH26865-831.5



Band26 3MHz QPSK 15 0 MidCH26865-831.5



Band26_3MHz_QPSK_15_0_HighCH27025-847.5

Band26_3MHz_16QAM_15_0_HighCH27025-847.5

KeymphtSpactnerri Anunyae - Occupies BW RL NU 100 D	server and	Radio Std: None	Frequency	Koyanghi Spectrelan Anunyon - Occupied BW CO R.L RU SU G DC		Radio Std: None	Frequency
Contor Fred our, Soudous Miliz	r Free Run AvgiHold: 5 en: 30 dB			Center Freq 847.500000 MHz	Trig: Free Run AvgiHold: iain:Low #Atten: 30 dB		
Ref Offset 23.6 dB				10 dB/div Ref 30.00 dBm			
10.0 10.0			Center Freq 847,500000 MHz		with the second s	~	Center Freq 847,500000 MHz
		Lunn		200 200 300		turment	
	#VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 600.000 kHz Auto Men	Center 847.5 MHz #Res BW 62 kHz	#VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 600.000 kHz Auto Man
Occupied Bandwidth 2.7045 MHz	Total Power	30.4 dBm	Freq Offset	Occupied Bandwidth 2.70	Total Power 33 MHz	29.5 dBm	Freq Offset
Transmit Freq Error 3.141 kHz x dB Bandwidth 2.986 MHz	OBW Power x dB	99.00 % -26.00 dB	OHZ	Transmit Freq Error	5.903 kHz OBW Power 3.013 MHz x dB	99.00 % -26.00 dB	OHZ
(CRIM		TATME		CKIN		STATUS	

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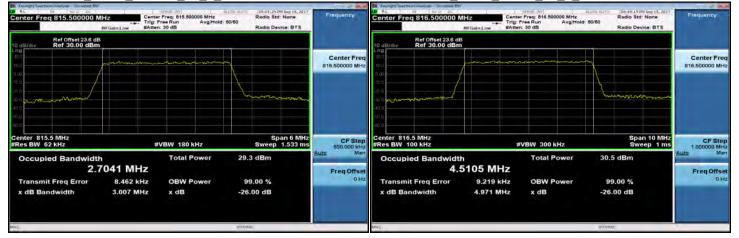
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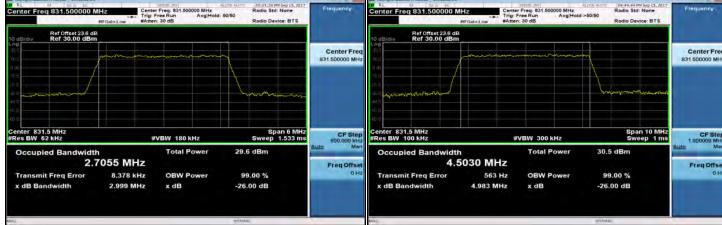


Band26_3MHz_64QAM_15_0_LowCH26705-815.5

Band26_5MHz_QPSK_25_0_LowCH26715-816.5



Band26 3MHz 64QAM 15 0 MidCH26865-831.5



Band26 3MHz 64OAM 15 0 HighCH27025-847 5

Band26 5MHz OPSK 25 0 HighCH27015-846 5

CF Ste

Band26 5MHz QPSK 25 0 MidCH26865-831.5

Control Freq 847.500000 MH2 Canter Freq 847.500000 MH2 Trg Freq 847.500000 MH2 Trg Freq 847.500000 MH2 Radio Seto None Radio Device: BTS Ref Ontset 23.6 GB	Frenuency	Control Freq 846,500000 MHz Control Freq 846,50000 MHz Ref Control Freq 846,5000 MHz	Frequency
10 dBddw Ref 30.00 dBm	Center Freq 847,500000 MHz		Center Fred 846,500000 MH
Center 847.5 MHz TRes BW 62 kHz Span 6 MHz Span 6 MHz Span 6 MHz Span 6 MHz Span 6 MHz Span 5 MHz Span 5 MHz	CF Step	Center 846.5 MHz #VBW 300 kHz Sweep 1 n	
Occupied Bandwidth Total Power 29.4 dBm 2.77104 MHz Transmit Freq Error 7.216 kHz OBW Power 99.00 % x dB Bandwidth 2.991 MHz x dB -26.00 dB	Auto Man Freq Offset 0 Hz	Occupied Bandwidth Total Power 30.2 dBm 4.5134 MHz Transmit Freq Error 6.643 kHz OBW Power 99.00 % x dB Bandwidth 4.975 MHz x dB -26.00 dB	Auto Mer Freq Offse 0 H
10) ITÁNE		1933. STATUE	

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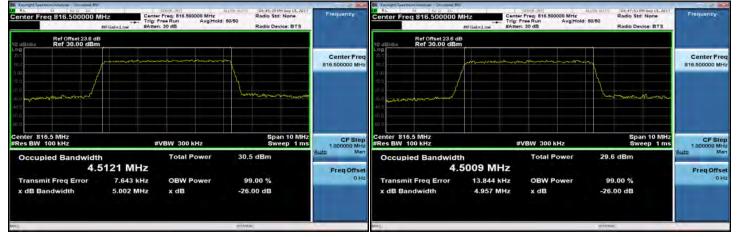
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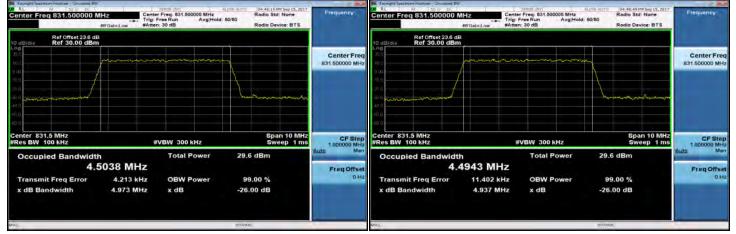
Band26_5MHz_16QAM_25_0_LowCH26715-816.5

Band26_5MHz_64QAM_25_0_LowCH26715-816.5

Band26 5MHz 64QAM 25 0 MidCH26865-831.5



Band26 5MHz 16QAM 25 0 MidCH26865-831.5



Band26_5MHz_16QAM_25_0_HighCH27015-846.5

Band26_5MHz_64QAM_25_0_HighCH27015-846.5

Keyinght Spectrum Anulyzer - Occupied BW				M Keynofit Spectrum Anunyzer - Occupied BW			
Ceriter Freq 646,500000 Miliz	tter Freq: 846.500000 MHz ; Free Run Avg/Hold: 50 ten: 30 dB	Radio Std: None Radio Device: BTS	Frequency	Center Freq 845,500000 MH		Close et al 104-49:20 PM Sep 13, 2017 Radio Std: None 60/50 Radio Device: BTS	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm				Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			
100 000			Center Freq 846,500000 MHz	100	- man - man		Center Freq 846,500000 MHz
100 200 300		funner		100 200 30 0 400		Jummeun	
Center 846.5 MHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Men	Center 846.5 MHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man
Occupied Bandwidth 4.4936 MHz	Total Power	29.2 dBm	Contraction of the local division of the loc	Occupied Bandwidth	Total Power 922 MHz	29.4 dBm	
Transmit Freq Error 7.388 kHz x dB Bandwidth 4.994 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	11.692 kHz OBW Power 4.963 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
MING		STATUE		(Cerry		STATUE	

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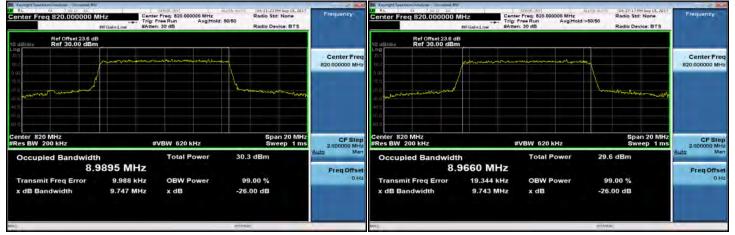
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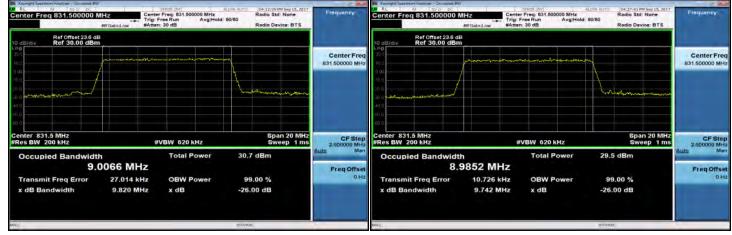
Band26_10MHz_QPSK_50_0_LowCH26750-820

Band26_10MHz_16QAM_50_0_LowCH26750-820

Band26 10MHz 16QAM 50 0 MidCH26865-831.5



Band26 10MHz QPSK 50 0 MidCH26865-831.5



Band26 10MHz QPSK 50 0 HighCH26990-844

Band26_10MHz_16QAM_50_0_HighCH26990-844

Free Run AvgiHold: 50/5	Radio Std: None	Frequency	Center Freq 844.000000 MHz Center Trig:	Free Run Avg/Hold: 50/50 Radio Std: None	Frequency
			Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm		
mann		Center Freq 844.000000 MHz	30.0	man man	Center Freq 844.000000 MHz
	hannen		189 300		
VBW 620 kHz	Span 20 MHz Sweep 1 ms	CF Step 2.000000 MHz	en le es c Center 844 MHz #Res BW 200 kHz #		
Total Power	30.4 dBm	Auto Man	Occupied Bandwidth	Total Power 30.0 dBm	Auto Man
		Freq Offset	8.9968 MHz		Freq Offset
OBW Power x dB	99.00 % -26.00 dB	OH2	Transmit Freq Error 1.862 kHz x dB Bandwidth 9.849 MHz	OBW Power 99.00 % x dB -26.00 dB	0.142
	STATUE	L	MIR)	TATUT	_
	NBW 620 KHz Total Power	refered B4.00000 MHz Free Run Avg Hold: 50/60 Radio Device: BTS Radio Device: BTS	State Auto Auto Auto Auto Frequency Freq State State State State State State Auto Auto Auto State State State Auto Auto Auto State State State Auto Auto Auto State State State Auto Auto State State State State Auto State State State State	Statusticity Statusticity <td< td=""><td>Radio Std: None Radio Device: BTS Radio Device:</td></td<>	Radio Std: None Radio Device: BTS Radio Device:

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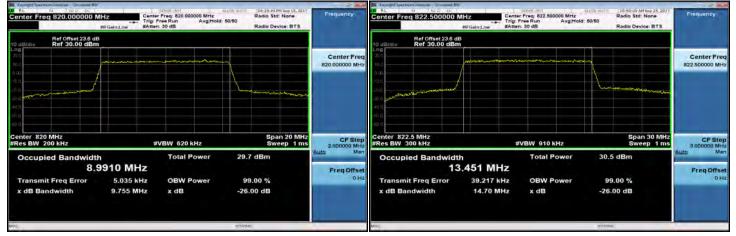
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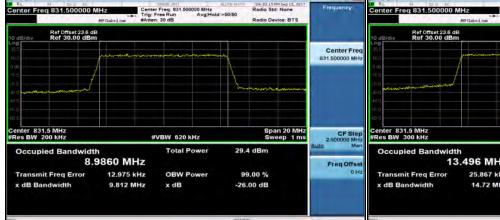


Band26_10MHz_64QAM_50_0_LowCH26750-820

Band26_15MHz_QPSK_75_0_LowCH26775-822.5



Band26 10MHz 64QAM 50 0 MidCH26865-831.5



Band26 10MHz 64QAM 50 0 HighCH26990-844

Band26_15MHz_QPSK_75_0_MidCH26865-831.5



Band26_15MHz_QPSK_75_0_HighCH26965-841.5

RL RU Sectore Analyze - Occuped BW RL RU Sectore Could be C Center Freq 844,0000000 M	Trig: F	stricts dvr) r Freq: 844.000000 MHz Free Run AvgiHold: 5 h: 30 dB	0/50 [04:30:51 PM Sep 13, 2017 Radio Std: None Radio Device: BTS	Frequency	Krysteftt Spectrum Analyze - Occupied Bill RL - Hill - Social Doc - Occupied Bill Center Freq 841.5000000 N	Trig:	since swi r Freq: 841.500000 MHz Free Run Avg Hold n: 30 dB	ALION AUTO (10.51:11 AM Sep 25, 201 Radio Std: None Radio Device: BTS	Frequency
Ref Offset 23.6 dB 10 dE/div Ref 30.00 dBm 20.0		milliongington of mortaneous		Center Freq	Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm Log		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq
000 100 200 200 409			Lannan		000 (100 200 -300 409			Lunam	
Center 844 MHz #Res BW 200 kHz		VBW 620 kHz Total Power	Span 20 MHz Sweep 1 ms 29.6 dBm	CF Step 2.000000 MHz Auto Man	Center 841.5 MHz #Res BW 300 kHz		VBW 910 kHz Total Power	Span 30 MH Sweep 1 m 31.0 dBm	
	0000 MHz -3.804 kHz 9.785 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz		.474 MHz 19.126 kHz 14.67 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
CON			STATUS		Certe			ETATUS:	

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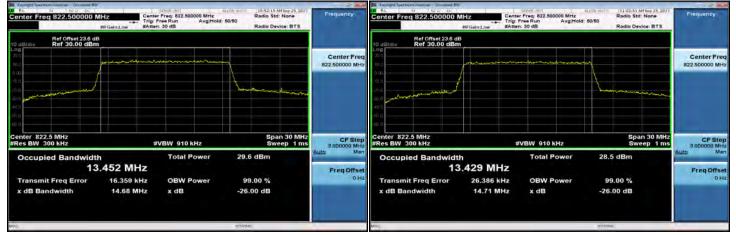
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Band26_15MHz_16QAM_75_0_LowCH26775-822.5

Band26_15MHz_64QAM_75_0_LowCH26775-822.5



Band26_15MHz_16QAM_75_0_MidCH26865-831.5



Band26_15MHz_16QAM_75_0_HighCH26965-841.5

Band26_15MHz_64QAM_75_0_MidCH26865-831.5



Band26_15MHz_64QAM_75_0_HighCH26965-841.5

R Kyrophi Spectrum Analyze - Occupied BW RL III Store Do S Center Freq 841.500000 M	Trig: F	sense dvr r Freq: 841.500000 MHz Free Run AvgiHold: 5 1: 30 dB	0/50 EUTO (10.53:07 M/5ep 25, 2017 Radio Std: None 0/50 Radio Device: BTS	Frequency	Keynght Spectrum Analyze - Occupied Biv RL el 10 20 0 0 0 Center Freq 841.500000 N		Freq: 841.500000 MHz ree Run Avg Hold:	4104 4010 (71:04:59 AM 54p 25, 2017) Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm 10 dB/div Ref 30.00 dBm	p	Normal State American Strategy of the State of State		Center Freq 841 500000 MHz	Ref Offset 23,6 dE			**	Center Freq 841,500000 MHz
000 2000 2000 400 400			hand have been the state of the second						
© Center 841.5 MHz #Res BW 300 kHz		VBW 910 kHz	Span 30 MHz Sweep 1 ms	CF Step 3.00000 Mintz Auto Man	Center 841.5 MHz #Res BW 300 kHz		VBW 910 kHz	Span 30 MHz Sweep 1 ms	CF Step 3.00000 MHz Auto Man
Occupied Bandwidth 13. Transmit Freq Error x dB Bandwidth	449 MHz 732 Hz 14.60 MHz	Total Power OBW Power x dB	29.8 dBm 99.00 % -26.00 dB	Freq Offset 0 H2	Occupied Bandwidti 13 Transmit Freq Error x dB Bandwidth	h 442 MHz 11.848 kHz 14.75 MHz	Total Power OBW Power x dB	28.7 dBm 99.00 % -26.00 dB	Freq Offset 0 Hz
ed]			TATUE		(2494)			ETATUE	

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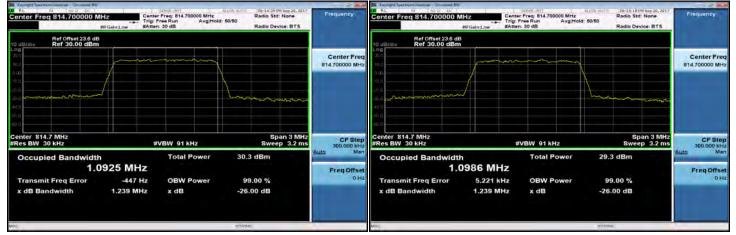
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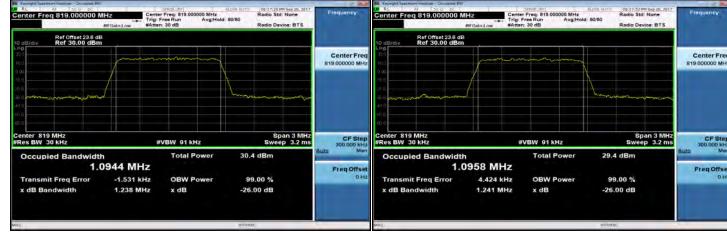
Part 90_Band26_1_4MHz_QPSK_6_0_LowCH26697

Part 90_Band26_1_4MHz_16QAM_6_0_LowCH26697

Part 90 Band26 1 4MHz 16QAM 6 0 MidCH26740



Part 90_Band26_1_4MHz_QPSK_6_0_MidCH26740



Part 90_Band26_1_4MHz_QPSK_6_0_HighCH26783

Part 90_Band26_1_4MHz_16QAM_6_0_HighCH26783

Keyeight Spacesim Anunyzer - Occupied BW				, 22 M	M Keyeght Spectrum Analyzer - Occupied BW			
Center Freq 823.300000 MH	Z Cente	r Freq: 823.300000 MHz Free Run AvgiHali h: 30 dB	ALION #UPO [08:20:38944 Sep 20, 2017 Radio Std: None 1>50/50 Radio Device: BTS	Frequency	Center Freq 823,300000 MH	Center Freq: 823.300000 MHz Trig: Free Run AvgiHo FGain:Low #Atten: 30 dB	ALIGN SUFO (00-21:19 FM Sep 20, 2017 Radio Std: None Radio Device: BTS	Frequency
10 dB/div Ref 30.00 dBm					10 dE/div Ref 0ffset 23.6 dB			
10.0	m			Center Freq 823.300000 MHz			X	Center Fred 823.300000 MHz
1988 200 300			L		-100 200 -200 400		Jummanuta	
Center 823.3 MHz #Res BW 30 kHz	#	VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Man	Center 823.3 MHz #Res BW 30 kHz	#VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Man
Occupied Bandwidth	946 MHz	Total Power	30.4 dBm	Freq Offset	Occupied Bandwidth	Total Power 964 MHz	29.4 dBm	Course of the second
Transmit Freq Error x dB Bandwidth	-1.504 kHz 1.234 MHz	OBW Power x dB	99.00 % -26.00 dB	Preq Onset 0 H2	Transmit Freq Error x dB Bandwidth	4.222 kHz OBW Power 1.238 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
MHQ)			STATUS		(CHIN		STATUS	

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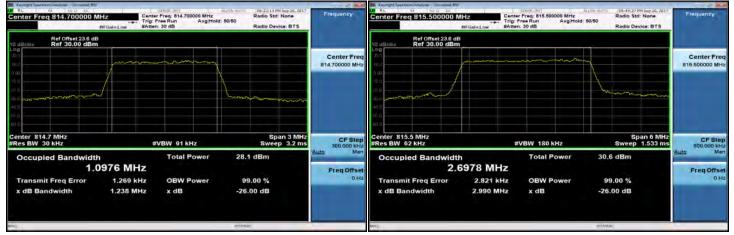
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Part 90_Band26_1_4MHz_64QAM_6_0_LowCH26697

Part 90_Band26_3MHz_QPSK_15_0_LowCH26705

Part 90 Band26 3MHz QPSK 15 0 MidCH26740



Part 90_Band26_1_4MHz_64QAM_6_0_MidCH26740



Part 90_Band26_1_4MHz_64QAM_6_0_HighCH26783

Part 90_Band26_3MHz_QPSK_15_0_HighCH26775

Bill Keyenghit Spectream Analyzer - Occupied BW				BE Keyeght Spectrum Anunyzer - Occupied BW				
Conter Trieg 020,000000 Milliz	ter Freq: 823.300000 MHz : Free Run Avg Hold ten: 30 dB	4105 4070 [05 22:21 PM Sep 20, 2017 Radio Std: None 4: 50/50 Radio Device: BTS	Frequency	Center Freq 822.500000 MI		Freq: 822.500000 MHz Free Run Avg Hold:	Clok Noro Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm				Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm				
1910 100 000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq 823.300000 MHz	100			√	Center Freq 822,500000 MHz
100 300 300 nga buna suma sugar (100)		Lanna					-	
	#VBW 91 kHz	Span 3 MHz Sweep 3.2 ms	CF Step 300.000 kHz Auto Man	Center 822.5 MHz #Res BW 62 kHz		VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 600.000 kHz Auto Man
Occupied Bandwidth 1.0955 MHz	Total Power	28.3 dBm		Occupied Bandwidth	979 MHz	Total Power	30.7 dBm	
Transmit Freq Error 846 Hz x dB Bandwidth 1.243 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	1.117 kHz 2.985 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
		STATUE		CAIN.			TATUE	

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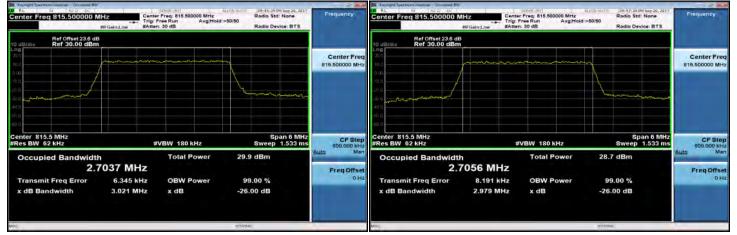
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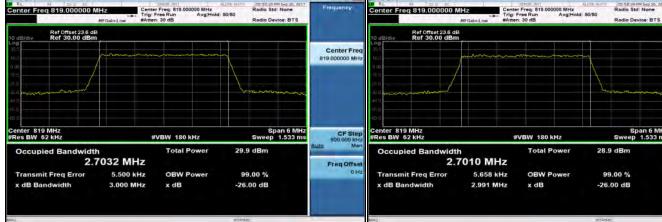


Part 90_Band26_3MHz_16QAM_15_0_LowCH26705

Part 90_Band26_3MHz_64QAM_15_0_LowCH26705



Part 90_Band26_3MHz_16QAM_15_0_MidCH26740



Part 90_Band26_3MHz_16QAM_15_0_HighCH26775

Part 90 Band26 3MHz 640AM 15 0 HighCH26775

Part 90_Band26_3MHz_64QAM_15_0_MidCH26740

Center Free

CF Ste

Freq Offse

Occupied Bandwidth 2.7 Transmit Freq Error x dB Bandwidth	031 MHz 2.024 kHz 3.011 MHz	Total Power OBW Power x dB	29.7 dBm 99.00 % -26.00 dB	Freq Offset 0 Hz	Occupied Bandwidth 2.7004 MH2 Transmit Freq Error 5.191 kH x dB Bandwidth 2.996 MH	OBW Power	28.8 dBm 99.00 % -26.00 dB	Freq Offset 0 Hz
Center 822.5 MHz RRes BW 62 kHz		VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 500.000 kHz Auto Men	Center 822.5 MHz #Res BW 62 kHz	#VBW 180 kHz	Span 6 MHz Sweep 1.533 ms	CF Step 500.000 kHz Auto
10 dB/div Ref 30.00 dBm	munnanna.			Center Freq 822.500000 MHz	10 dB/dw Ref 30.00 dBm	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Free 822,500000 MH
Ref Offset 23.6 dB	HZ Center Trig: Fi #Atten:	Freq: 822.500000 MHz ree Run Avg Hold: 50 : 30 dB	Radio Std: None Radio Device: BTS	Frequency	Ber Offset 23.6 dB	enter Freq: 822.500000 MHz rig: Free Run Avg Hold: Atten: 30 dB	50/50 Radio Device: BTS	Frequency

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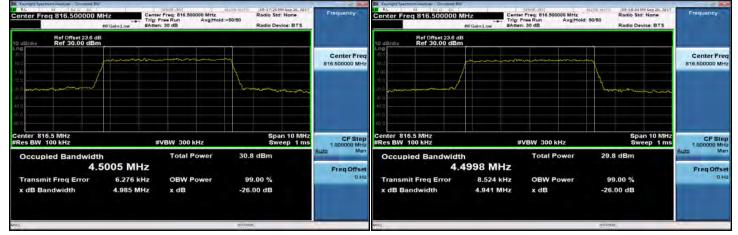
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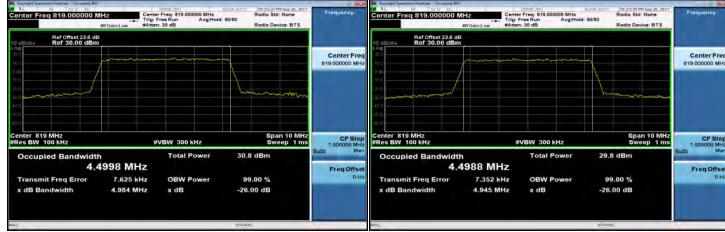
Part 90_Band26_5MHz_QPSK_25_0_LowCH26715-816.5

Part 90_Band26_5MHz_16QAM_25_0_LowCH26715-816.5

Part 90_Band26_5MHz_16QAM_25_0_MidCH26740



Part 90_Band26_5MHz_QPSK_25_0_MidCH26740



Part 90_Band26_5MHz_QPSK_25_0_HighCH26765

Part 90_Band26_5MHz_16QAM_25_0_HighCH26765

84 Keyeght Spactnern Analyzer - Occupied BW		and the second se		M Keyeght Spactnam Analyzer - Occupied BW			
Center Freg 821.500000 MHz Center Trig:	r Freq: 821.500000 MHz	A SUTO 105-17:34 PM Sep 20, 2017 Radio Std: None /50 Radio Device: BTS	Frequency	Center Freq 821.500000 MH		104 sUTO 105-38:13 PM Sep 20, 2017 Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Offset 23.6 dB 10 dE/div Ref 30.00 dBm				Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			
			Center Freq 821,500000 MHz	100 000	and the second and the second		Center Freq 821.500000 MHz
100 300 409		hummin		100 200 300 menomenonistant		function	
	VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.00000 MHz Auto Man	Center 821.5 MHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz <u>Auto Man</u>
Occupied Bandwidth 4.4991 MHz	Total Power	30.7 dBm		Occupied Bandwidth	Total Power	29.7 dBm	
Transmit Freq Error 6.282 kHz x dB Bandwidth 4.975 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	8.724 kHz OBW Power 4.980 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
(PM		ETATME.		(Cerra		STATUE	

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Part 90_Band26_5MHz_64QAM_25_0_LowCH26715-816.5

Part 90_Band26_10MHz_QPSK_50_0_MidCH26740



Part 90_Band26_5MHz_64QAM_25_0_MidCH26740



Part 90_Band26_5MHz_64QAM_25_0_HighCH26765

Part 90_Band26_10MHz_16QAM_50_0_MidCH26740



Part 90_Band26_10MHz_64QAM_50_0_MidCH26740

Bill Kwyeight Spectrum Anulyzer - Occupied BW			Keyeght Spacesim Analyzer - Occupied BW			
Center Freq 821.500000 MHz Center Fre #FGeint.ow #FGeint.ow #Atten: 30	Run Avg/Hold: 50/50 Radie	Device: 8TS	Center Freq 819.000000 Mi	FZ Center Freq: 819.000000 MHz Trig: Freq Run AvgiHali #Atten: 30 dB	Radio Std: None	Frequency
Ref Offset 23.6 dB 10 dB/div Ref 30.00 dBm			10 dB/div Ref Offset 23.6 dB			
100 100 100		Center Fre 821,500000 MH		and the second		Center Freq 819 000000 MHz
		****	1999 2016 -2010 -2010 -2010		Laummer	
	W 300 kHz	Span 10 MHz Sweep 1 ms Auto Ma	#Res BW 200 KH2	#VBW 620 kHz	Span 20 MHz Sweep 1 ms	
Occupied Bandwidth 4.5062 MHz	Total Power 29.0 dBr	Freq Offse	Occupied Bandwidth	Total Power	28.8 dBm	Freq Offset
Transmit Freq Error 5.240 kHz	OBW Power 99.00 5 x dB -26.00 df	0 1		22.315 kHz OBW Power 9.828 MHz x dB	99.00 % -26.00 dB	0 Hz
(Cent	STATUS		(SHW		STATUE	

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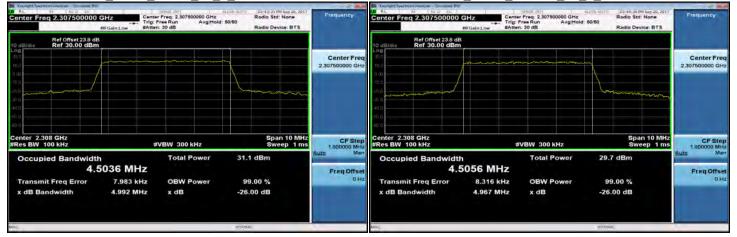
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Band30_5MHz_QPSK_25_0_LowCH27685

Band30_5MHz_16QAM_25_0_LowCH27685

Band30 5MHz 16QAM 25 0 MidCH27710

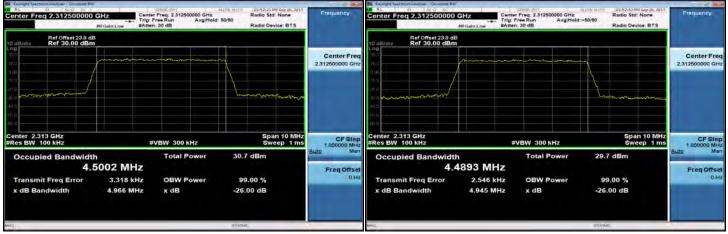


Band30 5MHz QPSK 25 0 MidCH27710

Radio Std: None Radio Std: None a 2.310 Center Freq: 2.310000000 GHz Trig: Free Run Avg/Hol Center Freg 2.310 ter Freq: 2.310000000 GHz Free Run Avg/Hold: 50/50 0000 GHz Ref Offset 23.8 dl Ref 30.00 dBm Ref Offset 23.8 dE Ref 30.00 dBm Center Fre Center Free enter 2.31 GHz Res BW 100 kHz Span 10 MH Sweep 1 ms er 2.31 GHz BW 100 kH Span 10 MH Sweep 1 m CF Step CF Ste #VBW 300 kHz #VBW 300 kHz Occupied Bandwidth Total Pou 30.7 dB Occupied Ba Total Po 20 6 dB /idth 4.4944 MHz 4.5023 MHz Freq Offse Freq Offs 4.598 kHz 8.301 kHz 99.00 % Transmit Freq Error OBW Power 99.00 % Transmit Freq Erro OBW Pow 4.945 MHz -26.00 dB 4.974 MHz -26.00 dB x dB

Band30_5MHz_QPSK_25_0_HighCH27735

Band30_5MHz_16QAM_25_0_HighCH27735



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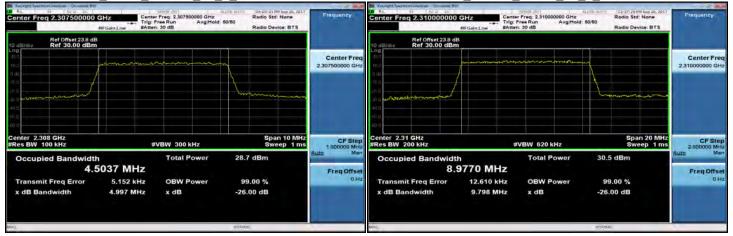
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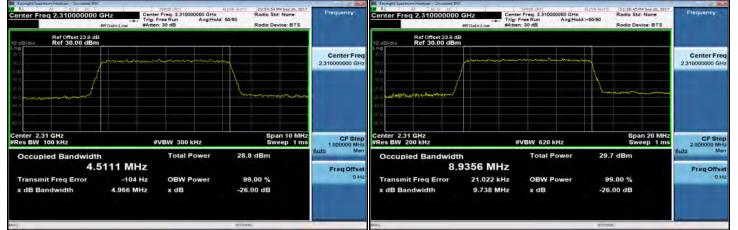
Band30_5MHz_64QAM_25_0_LowCH27685

Band30_10MHz_QPSK_50_0_MidCH27710

Band30 10MHz 16QAM 50 0 MidCH27710



Band30 5MHz 64QAM 25 0 MidCH27710



Band30_5MHz_64QAM_25_0_HighCH27735

Band30 10MHz 64QAM 50 0 MidCH27710

Keysight Spectrum Anulyzer - Occupied BW				BE Keyinght Spectrum Anulyzer - Occupied BW			
	Freq: 2.312500000 GHz ree Run AvgiHold: 50	Radio Device: BTS	Frequency	Center Freq 2,310000000 G		ALION #UPO 122-40:25 PM Skp 20, 2017 Radio Std: None : 50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB				10 dB/div Ref 30.00 dBm			
100 000	where we want the second second		Center Freq 2.312500000 GHz				Center Freq 2.310000000 GHz
				1918 200 300 409		- Andrew	
Center 2.313 GHz #Res BW 100 kHz #1	VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man	Center 2.31 GHz #Res BW 200 kHz	#VBW 620 kHz	Span 20 MHz Sweep 1 ms	CF Step 2.600000 MHz Auto Man
Occupied Bandwidth	Total Power	28.9 dBm	Buto Man	Occupied Bandwidth	Total Power	28.5 dBm	Buto Man
4.5080 MHz Transmit Freq Error -1.285 kHz x dB Bandwidth 4.947 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	8.9 Transmit Freq Error x dB Bandwidth	713 MHz 11.226 kHz OBW Power 9.776 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
9992 (2019		STATUS		(DRIM		STATME	

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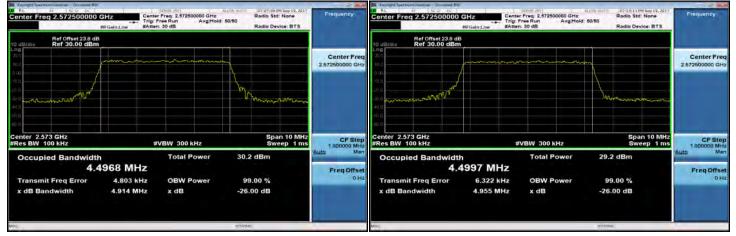
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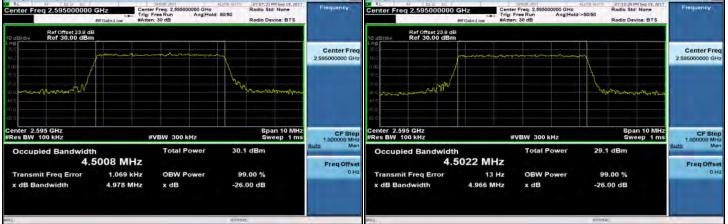


Band38_5MHz_QPSK_25_0_LowCH37775-2572.5

Band38_5MHz_16QAM_25_0_LowCH37775-2572.5



Band38_5MHz_QPSK_25_0_MidCH38000-2595



Band38_5MHz_QPSK_25_0_HighCH38225-2617.5

Band38 5MHz 160AM 25 0 HighCH38225-2617 5

Band38 5MHz 16QAM 25 0 MidCH38000-2595

MFGainLow Ref Offset 23.8 dB	Center Freq: 2,617500000 GHz Trig: Free Run AvgiHold: #Atten: 30 dB	60/50 Radio Std: None Radio Device: BTS	Frequency	MFGainLow Ref Offset 23.8 dB	Center Freq: 2,617500000 GHz Trig: Free Run AvgiHold #Atten: 30 dB	50/50 Radio Std: None Radio Device: BTS	Frequency
0 dB/div Ref 30.00 dBm	an a		Center Freq 2.617500000 GHz	10 dB/div Ref 30.00 dBm			Center Free 2.617500000 GH
200 200 200 200		monorman		200 200 200 American Angeland		for a second sec	
Center 2.618 GHz Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms		© 0 Center 2.618 GHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Ste 1.00000 MH Auto Ma
Occupied Bandwidth 4.5000 MH Transmit Freq Error 5.263 k x dB Bandwidth 4.998 M	Hz OBW Power	30.2 dBm 99.00 % -26.00 dB	Freq Offset 0 Hz	Occupied Bandwidth 4.5035 MH Transmit Freq Error 3.671 k x dB Bandwidth 4.977 M	Hz OBW Power	29.5 dBm 99.00 % -26.00 dB	Freq Offse 0 H
Transmit Freq Error 5.263 k	Hz OBW Power			Transmit Freq Error 3.671 k	Hz OBW Power		

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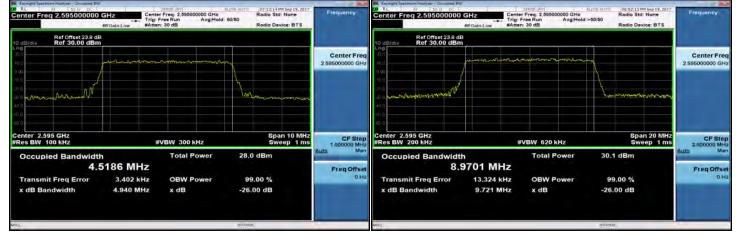
Band38_5MHz_64QAM_25_0_LowCH37775-2572.5

Band38_10MHz_QPSK_50_0_LowCH37800-2575

Band38 10MHz QPSK 50 0 MidCH38000-2595



Band38 5MHz 64QAM 25 0 MidCH38000-2595



Band38_5MHz_64QAM_25_0_HighCH38225-2617.5

Band38_10MHz_QPSK_50_0_HighCH38200-2615

Keyeight Spectrum Analyzer - Occupied Biy				BE Keyenplit Spectrum Anunyzer - Occupied BW				
Center Freg 2.617500000 GHz Center Trig: 1	r Freq: 2,617500000 GHz Free Run AvgiHold: 50 1: 30 dB	Radio Std: None	Frequency	Center Freq 2.615000000	GHz Cente	r Freg: 2.615000000 GHz	ALION AUTO 00:52:56 PM Sep 19, 2017 Radio Std: None >50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				10 dB/div Ref 30.00 dBm				
100 000	Carlow and a standard		Center Freq 2.617500000 GHz	100	m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Center Freq 2.615000000 GHz
and and annum AM		manna		- 10.0 - 20.0 - 20.0 - 40.0 - 0			Lun	
Center 2.518 GHz #Res BW 100 kHz #VBW 300 kH		Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man	Center 2.615 GHz #Res BW 200 kHz			Span 20 MHz Sweep 1 ms	CF Step 2.000000 MHz Auto Man
Occupied Bandwidth 4.5038 MHz	Total Power	28.5 dBm	Freq Offset	Occupied Bandwidth 8.9	769 MHz	Total Power	30.7 dBm	Freq Offset
Transmit Freq Error 846 Hz x dB Bandwidth 4.917 MHz	OBW Power x dB	99.00 % -26.00 dB	OHZ	Transmit Freq Error x dB Bandwidth	10.550 kHz 9.778 MHz	OBW Power x dB	99.00 % -26.00 dB	OHZ

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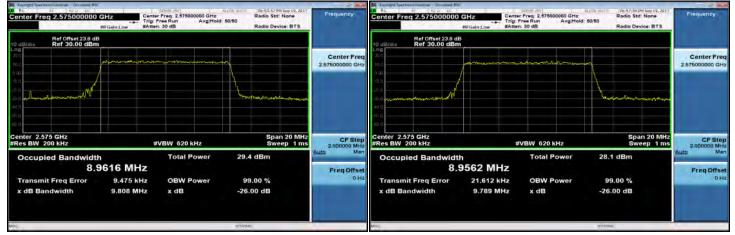
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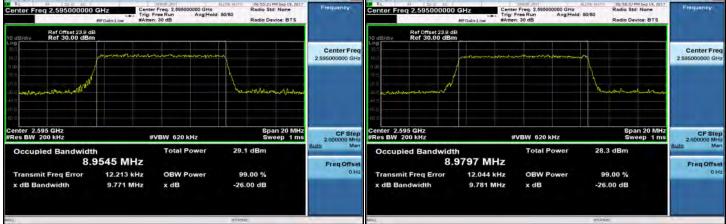


Band38_10MHz_16QAM_50_0_LowCH37800-2575

Band38 10MHz 64QAM 50 0 LowCH37800-2575



Band38 10MHz 16QAM 50 0 MidCH38000-2595



Band38_10MHz_16QAM_50_0_HighCH38200-2615

Band38 10MHz 64QAM 50 0 MidCH38000-2595

Band38_10MHz_64QAM_50_0_HighCH38200-2615 Radio Std: None Radio Std: None AvgiHet enter Freg 2.615000000 GHz Center Freq: 2,615000000 GHz Trig: Free Run Avg/Hold: 50/50 g 2.615000000 GHz Center Freq: 2,6150 Trig: Free Run Ref Offset 23.8 dB Ref 30.00 dBm Ref Offset 23.8 dB Ref 30.00 dBm Center Fre 2.615000000 GH Center Fre 21 CF Ster er 2.615 GHz BW 200 kHz Span 20 MH Sweep 1 m 2.615 GH2 Span 20 MH Sweep 1 m CFS BW 620 kHz #VBW 620 kHz 29 4 dBn Total Pow 28.1 dBn Occupied Band Total Powe Occupied Band 8.9544 MHz 8.9744 MHz Freq Offse Freq Offse smit Freq Erro 18.590 kHz OBW Pov 99.00 % nit Freq Err 11.310 kHz OBW Po 99.00 % Tra Tra 9.800 MHz -26.00 dB 9.718 MHz -26.00 dB dB Bandwidth x dB dB Bandw x dB

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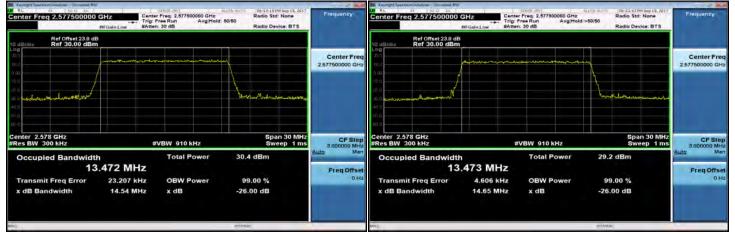
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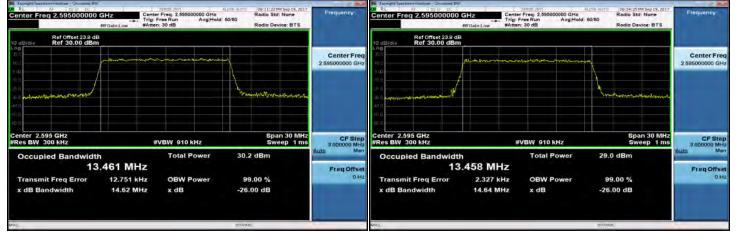
Band38_15MHz_QPSK_75_0_LowCH37825

Band38_15MHz_16QAM_75_0_LowCH37825

Band38 15MHz 16QAM 75 0 MidCH38000

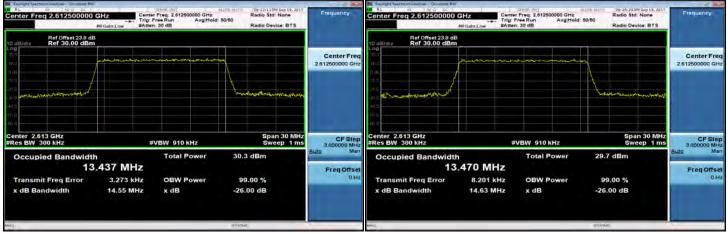


Band38 15MHz QPSK 75 0 MidCH38000



Band38_15MHz_QPSK_75_0_HighCH38175

Band38_15MHz_16QAM_75_0_HighCH38175



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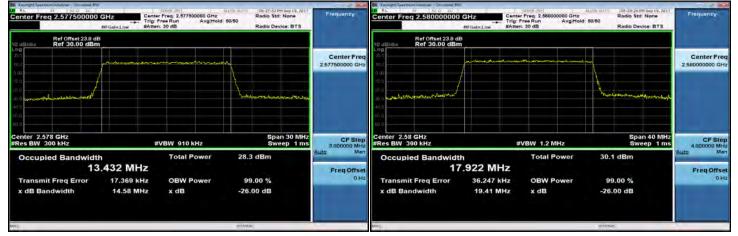
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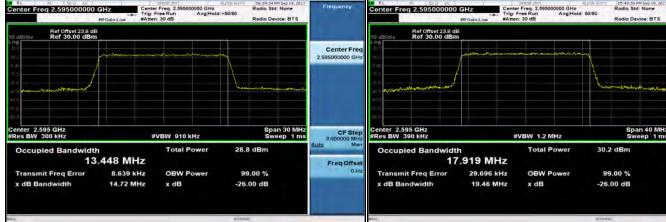


Band38_15MHz_64QAM_75_0_LowCH37825-2577.5

Band38_20MHz_QPSK_100_0_LowCH37850

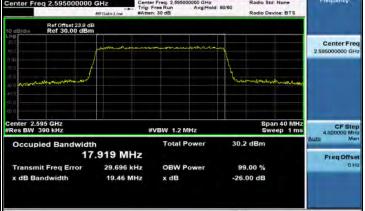


Band38 15MHz 64QAM 75 0 MidCH38000-2595



Band38_15MHz_64QAM_75_0_HighCH38175-2612.5

Band38 20MHz QPSK 100 0 MidCH38000



Band38_20MHz_QPSK_100_0_HighCH38150

Transmit Freq Error x dB Bandwidth	10.656 kHz 14.52 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	26.936 kHz 19.34 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
Occupied Bandwidth	.441 MHz	Total Power	28.5 dBm	Auto Man	Occupied Bandwidth	.912 MHz	Total Power	30.4 dBm	Auto Man
Center 2.613 GHz #Res BW 300 kHz	#	VBW 910 kHz	Span 30 MHz Sweep 1 ms	CF Step 3.000000 MHz	Center 2.61 CHz #Res BW 390 kHz	#	VBW 1.2 MHz	Span 40 MHz Sweep 1 ms	CF Step 4.00000 MHz
Log 310 000 000 100 200 200 200 200 200 200 2	jan se an			Center Freq 2.612500000 GHz	Log 30 100 000 	and the second	WY - W - Hore - Ho	-	Center Freq 2.610000000 GHz
Report Statement and the Contrast Biological Content of Contrast Biological Content of Content	MFGain:Low #Atter	sende swil r Freq: 2.612500000 GHz Free Run Avg Hold : 30 dB	CIDE AUTO 106-40:00 PM Skep 19, 2017 Radio Std: None Radio Device: BTS	Fraquency	Regraph System Analyse - Octuber BW Ref Offset 23.8 dB Ref Offset 23.8 dB Ref Offset 30.00 dBm	Trig: 1	r Freg: 2.610000000 GHz	Aliok surro (d5:42:02 PM Skp 19, 2017 Radio Std: None Radio Device: BTS	Frequency

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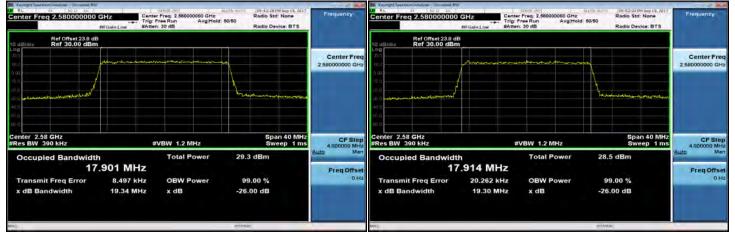
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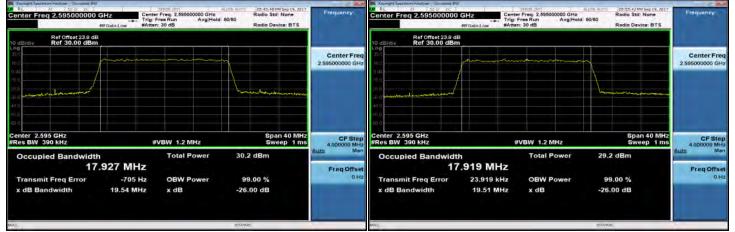
Band38_20MHz_16QAM_100_0_LowCH37850

Band38_20MHz_64QAM_100_0_LowCH37850

Band38 20MHz 64QAM 100 0 MidCH38000

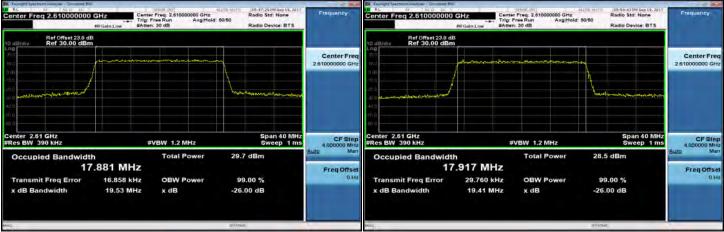


Band38_20MHz_16QAM_100_0_MidCH38000



Band38_20MHz_16QAM_100_0_HighCH38150

Band38_20MHz_64QAM_100_0_HighCH38150



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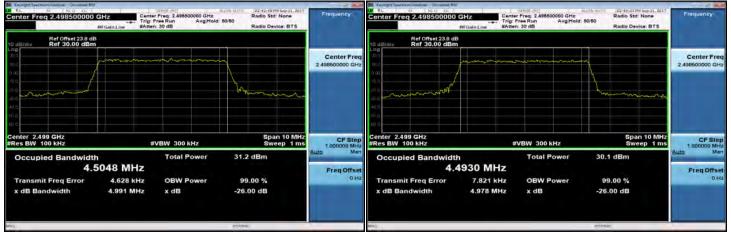
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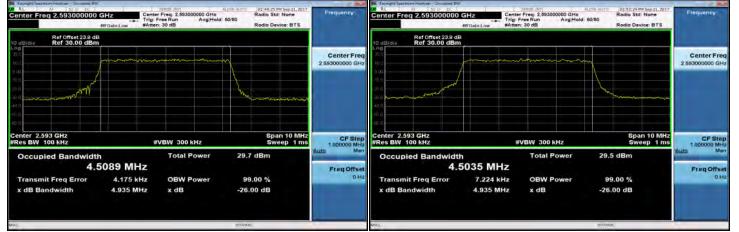
Band41_5MHz_QPSK_25_0_LowCH39675

Band41_5MHz_16QAM_25_0_LowCH39675

Band41 5MHz 16QAM 25 0 MidCH40620



Band41 5MHz QPSK 25 0 MidCH40620



Band41_5MHz_QPSK_25_0_HighCH41565

Band41_5MHz_16QAM_25_0_HighCH41565

Bi Keyeight Spectrum Analyzer - Occupied BW			- 	Keyeight Spectrum Anulyzer - Occupied BW			
Center Freq 2.687500000 GHz Center Trig:	r Freq: 2 687500000 GHz	Radio Device: BTS	Frequency	Center Freq 2,687500000 G		Close et al construir de la co	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm			
			Center Freq 2.687500000 GHz		warden and and the second and	~	Center Freq 2.687500000 GHz
		hannan		900 -200 -200 -200		Junaminan	
	VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 Minta Auto Man	Center 2.688 GHz #Res BW 100 kHz	#VBW 300 kHz	Span 10 MHz Sweep 1 ms	CF Step 1.000000 MHz Auto Man
Occupied Bandwidth 4.5044 MHz	Total Power	31.2 dBm		Occupied Bandwidth	Total Power 023 MHz	30.1 dBm	
Transmit Freq Error 3.763 kHz x dB Bandwidth 5.001 MHz	OBW Power x dB	99.00 % -26.00 dB	Freq Offset 0 Hz	Transmit Freq Error x dB Bandwidth	5.431 kHz OBW Power 4.964 MHz x dB	99.00 % -26.00 dB	Freq Offset 0 Hz
MIN2		STATME		CRIM		STATUS	

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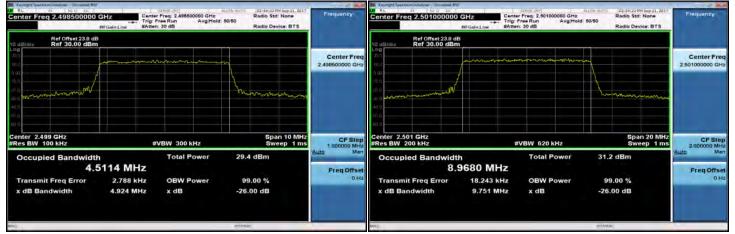
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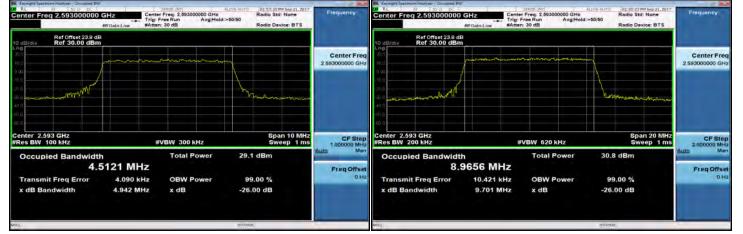
Band41_5MHz_64QAM_25_0_LowCH39675

Band41_10MHz_QPSK_50_0_LowCH39700

Band41 10MHz QPSK 50 0 MidCH40620



Band41 5MHz 64QAM 25 0 MidCH40620



Band41_5MHz_64QAM_25_0_HighCH41565

Band41_10MHz_QPSK_50_0_HighCH41540

Keynght Spectrum Analyze - Occubes BW RL RL RF Sector Coulomber Center Freq 2,687500000 (Trig: 1	r Freq: 2,687500000 GHz Free Run AvgiHold 5 : 30 dB	Intelline Industrial I	Frequency	Keynght Spactnerri Ananyze - Occupied BW RL NF SD 02 DC 3 Center Freq 2,685000000	Trig: 1	Freq: 2.685000000 GHz	ALION AUTO (92:30:22 PM Sep-21, 2017) Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm 20 0 10.1 10.0	-	manument and the		Center Freq 2.687500000 GHz	Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm 10.0 10.0 0.00		An and the second s		Center Freq 2.68500000 GHz
122 200 200 200 400			humm		1200 2000 2000 400 400			Antonnoussen	
Center 2.688 GH2 #Res BW 100 kH2 #Res BW 100 kH2		Span 10 MHz Sweep 1 ms	CF Step 1.00000 MHz Auto Man	Center 2.685 GHz #Res BW 200 kHz	#VBW 620 kHz		Span 20 MHz Sweep 1 ms		
Occupied Bandwidth 4.5 Transmit Freq Error x dB Bandwidth	3.103 kHz 4.945 MHz	Total Power OBW Power x dB	29.5 dBm 99.00 % -26.00 dB	Freq Offset 0 Hz	Occupied Bandwidth 8.9 Transmit Freq Error x dB Bandwidth	9678 MHz 13.225 kHz 9.716 MHz	Total Power OBW Power x dB	31.2 dBm 99.00 % -26.00 dB	Freq Offset 0 Hi
(Deep			STATUS		(1995)			TATNE	

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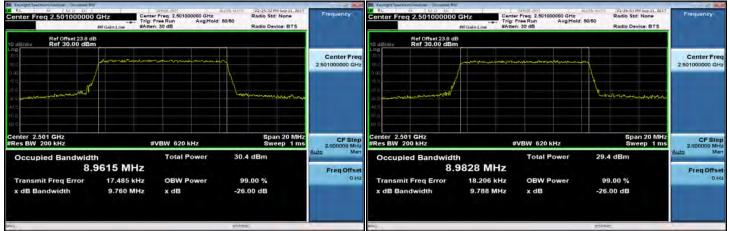
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Band41_10MHz_16QAM_50_0_LowCH39700

Band41_10MHz_64QAM_50_0_LowCH39700

Band41 10MHz 64QAM 50 0 MidCH40620

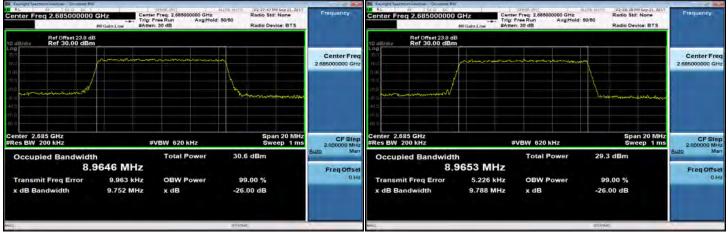


Band41_10MHz_16QAM_50_0_MidCH40620



Band41_10MHz_16QAM_50_0_HighCH41540

Band41_10MHz_64QAM_50_0_HighCH41540



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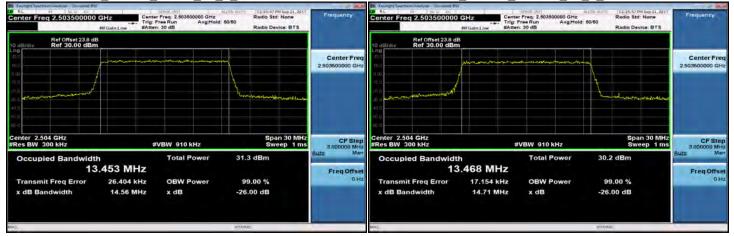
SGS Taiwan Ltd. No.134, WuKungRoad, NewTaipeilndustrialPark, WukuDistrict, NewTaipeiCity, Taiwan24803/新北市五股區新北產業園區五工路 134 號



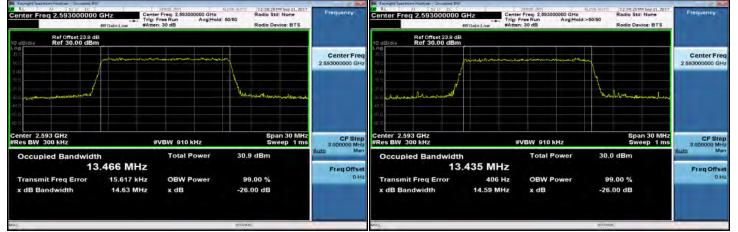
Band41_15MHz_QPSK_75_0_LowCH39725

Band41_15MHz_16QAM_75_0_LowCH39725

Band41 15MHz 16QAM 75 0 MidCH40620



Band41 15MHz QPSK 75 0 MidCH40620



Band41_15MHz_QPSK_75_0_HighCH41515

Band41_15MHz_16QAM_75_0_HighCH41515

	MFGain:Low #Atter	r Freq: 2.682500000 GHE Free Run AvgiHold h: 30 dB	LION AUTO 122:43:54 PM Sep 21, 2017 Radio Std: None 50/50 Radio Device: BTS	Frequency		MFGain:Low #Atter	sense svr r Freq: 2,682500000 GHz Free Run AvgiHold n: 30 dB	ALION AUTO 122-47:36 PM 54p-21, 2017 Radio Std: None 50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				مغرب منصافه	Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				
10,0 10,0 0.00	farmer and the second		7	Center Freq 2.682500000 GHz	30.0 Taxi 0.00	marine and the second	An and the provide state of th	-	Center Fred 2 682500000 GHz
100 200 -200 -200			hannanonante		100 200 -200 -200			herebran muchan	
Center 2.683 GHz #Res BW 300 kHz Occupied Bandwidth		VBW 910 kHz Total Power	Span 30 MHz Sweep 1 ms 31.3 dBm	CF Step 3.00000 MHz Auto Man	Center 2.583 GHz #Res BW 300 kHz Occupied Bandwidth		VBW 910 kHz Total Power	Span 30 MHz Sweep 1 ms 30.4 dBm	CF Step 3.00000 MHz Auto Man
	.470 MHz	10 million ch	51.5 5511	Freq Offset		.466 MHz	roun round	50.4 62.11	Freq Offset
Transmit Freq Error x dB Bandwidth	16.482 kHz 14.65 MHz	OBW Power x dB	99.00 % -26.00 dB	OHZ	Transmit Freq Error x dB Bandwidth	8.882 kHz 14.70 MHz	OBW Power x dB	99.00 % -26.00 dB	0 Hz
Cent			ETATUE		MHR3)			TATUE	

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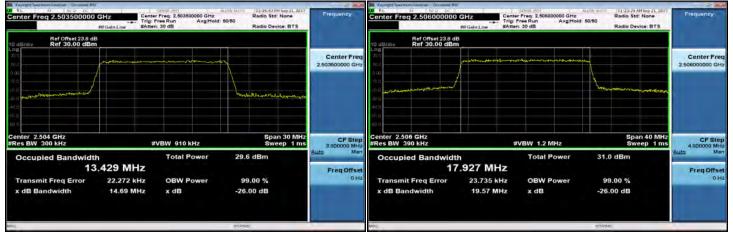
No.134,WuKungRoad,NewTaipeiIndustrialPark,WukuDistrict,NewTaipeiCity,Taiwan24803/新北市五股區新北產業園區五工路 134 號 Taiwan I td



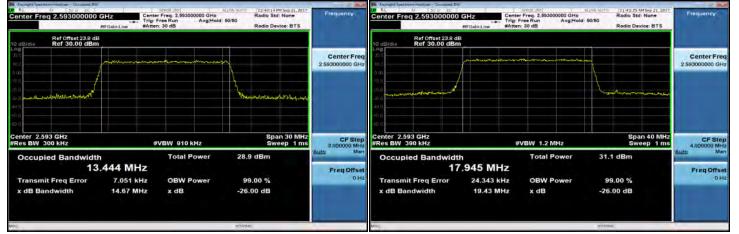
Band41_15MHz_64QAM_75_0_LowCH39725

Band41_20MHz_QPSK_100_0_LowCH39750

Band41 20MHz QPSK 100 0 MidCH40620



Band41 15MHz 64QAM 75 0 MidCH40620



Band41_15MHz_64QAM_75_0_HighCH41515

Band41 20MHz QPSK 100 0 HighCH41490

Bi Keyeght Spectrum Analyzer - Occupied BiV			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bis Keyeight Spactnern Anunyzer - Occupied BW			
Contor Fred 2.002.000000 Chiz	ter Freq: 2.682500000 GHz	A SUTO [12:48:45 PM Sep 21, 2017 Radio Std: None 60 Radio Device: BTS	Frequency	Center Freq 2,680000000 C		Adio Std: None >50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				10 dB/div Ref Offset 23.8 dB			
100 000	and the second secon		Center Freq 2.682500000 GHz	100 100 000			Center Freq 2.680000000 GHz
10 0 20 0 40 0 40 0		Lundmahulun		1910 2010 30 0 40 0		Lange and the second se	
Center 2.683 GHz #Res BW 300 kHz	#VBW 910 kHz	Span 30 MHz Sweep 1 ms	CF Step 3.00000 MHz	Center 2.68 GHz #Res BW 390 kHz	#VBW 1.2 MHz	Span 40 MHz Sweep 1 ms	CF Step 4.00000 MHz
Occupied Bandwidth	Total Power	29.3 dBm	Auto Man	Occupied Bandwidth		29.2 dBm	Auto Man
13.453 MHz		1.000	Freq Offset	17.	894 MHz		Freq Offset
Transmit Freq Error 9.397 kHz	OBW Power	99.00 %	0 Hz	Transmit Freq Error	40.767 kHz OBW Power	99.00 %	0 Hz
x dB Bandwidth 14.61 MHz	x dB	-26.00 dB		x dB Bandwidth	19.39 MHz x dB	-26.00 dB	
M90.		STATUS		(CRIM		STATUS	

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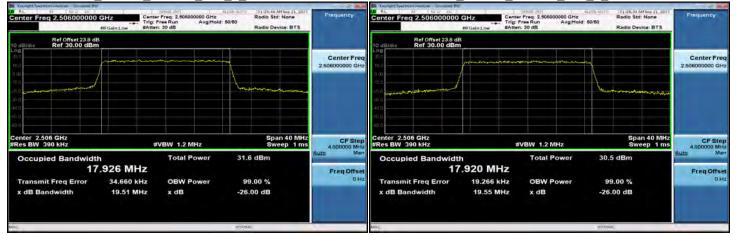
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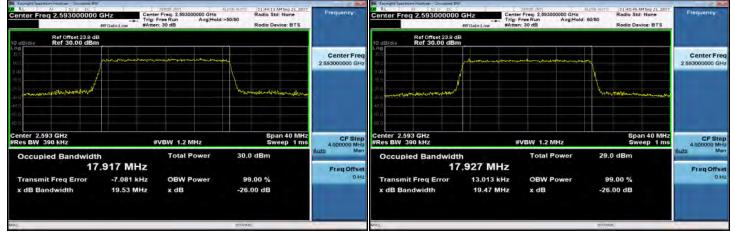
Band41_20MHz_16QAM_100_0_LowCH39750

Band41_20MHz_64QAM_100_0_LowCH39750

Band41 20MHz 64QAM 100 0 MidCH40620



Band41 20MHz 16QAM 100 0 MidCH40620



Band41_20MHz_16QAM_100_0_HighCH41490

Band41 20MHz 64QAM 100 0 HighCH41490

Bi Keyerght Spectrum Analyzer - Occupied BiV				Bi Keyestit Spectrum Anunyzer - Occupied BW			
Contor Treg 2,00000000 Chiz	sunst Juri Inter Freq: 2,680000000 GHz g: Free Run AvgiHold: 50 Iten: 30 dB	Radio Device: BTS	Frequency	Center Freq 2,680000000 GH		50/50 Radio Device: BTS	Frequency
Ref Offset 23.8 dB 10 dB/div Ref 30.00 dBm				10 dB/div Ref 30.00 dBm			
100 000	and a second and a second and and and and and and and and and a		Center Freq 2.680000000 GHz				Center Fred 2.680000000 GHz
100 200 200		human		1920 2010		turineense	
Center 2.68 GHz Res BW 390 kHz	#VBW 1.2 MHz	Span 40 MHz Sweep 1 ms	CF Step	Center 2.68 GHz	#VBW 1.2 MHz	Span 40 MHz Sweep 1 ms	CF Step
Occupied Bandwidth	Total Power	27.4 dBm	4.000000 MHz Auto: Man	Occupied Bandwidth	Total Power	26.6 dBm	4.000000 MHz
17.883 MHz			Freq Offset		84 MHz		Freq Offset
Transmit Freq Error 34.344 kHz	OBW Power	99.00 %	0 Hz	Transmit Freq Error	23.143 kHz OBW Power	99.00 %	0 Hz
x dB Bandwidth 19.17 MHz	x dB	-26.00 dB		x dB Bandwidth	19.27 MHz x dB	-26.00 dB	
миа).		STATUS		MING)		STATUE	

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9. OUT OF BAND EMISSION AT ANTENNA TERMINALS

9.1. Standard Applicable

FCC §22.917(a), §24.238(a), §27.53(h),Out of band emissions.The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

FCC §27.53(c)

(c) For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB (-13dBm)

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

§27.53 (f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC §27.53(c) (5) & FCC §27.53(g)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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FCC §27.53(h) (3)

Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement nstrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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§90.691 Emission mask requirements for EA-based systems.

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

According to RSS-130 §4.6

The power of any unwanted emissions in any 100 kHz bandwidth on any frequency outside the frequency range(s) within which the equipment is designed to operate shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside the equipment's operating frequency range, a resolution bandwidth of 30 kHz may be employed.

In addition to the limit outlined in Section 4.6.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

(a) The power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

(i) 76 + 10 log10 p(watts), dB, for base and fixed equipment, and

(ii) 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

According to RSS-132 §5.5

Mobile and base station equipment shall comply with the limits in (i) and (ii) below.

(i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts).

(ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

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According to RSS-133 §6.5

6.5.1 Out-of-Block Emissions

Equipment shall comply with the limits in (i) and (ii) below.

(i) In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts).

(ii) After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 p(watts). If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

According to RSS-139 §6.5

For Operation Band 1710-1755MHz and 2110-2155MHz

(i) In the first 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated below the transmitter output power P (in watts) by at least 43 + 10 log10(P), dB. Limit = 13dBm

(ii) After the first 1.0 MHz outside the equipment's operating frequency block, the emission power in any 1 MHz bandwidth shall be attenuated below the transmitter output power P (in watts) by at least $43 + 10 \log 10(P)$, dB. Limit = -13dBm

According to RSS-195 §5.6.2

The power of any emission outside the frequency range(s) in which the equipment operates shall be attenuated below the transmitter power, P(dBW), by the amount indicated in Table 2 and graphically represented in Figure 2, where p is the transmitter output power measured in watts.

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Table 2 — Unwanted Emissions for Mobile,	Portable and Low-Power Fixed Subscriber
Equipment	

Frequency (MHz)	Attenuation (dB)
<2200	$43 + 10 \log_{10}(p)$
2200 - 2288	$70 + 10 \log_{10}(p)$
2288 - 2292	$67 + 10 \log_{10}(p)$
2292 - 2296	$61 + 10 \log_{10}(p)$
2296 - 2300	$55 + 10 \log_{10}(p)$
2300 - 2305	$43 + 10 \log_{10}(p)$
2305 - 2320	$43 + 10 \log_{10}(p)^{Note}$
2320 - 2324	$55 + 10 \log_{10}(p)$
2324 - 2328	$61 + 10 \log_{10}(p)$
2328 - 2337	$67 + 10 \log_{10}(p)$
2337 - 2341	$61 + 10 \log_{10}(p)$
2341 - 2345	$55 + 10 \log_{10}(p)$
2345 - 2360	$43 + 10 \log_{10}(p)^{Note}$
2360 - 2365	$43 + 10 \log_{10}(p)$
2365 - 2395	$70 + 10 \log_{10}(p)$
>2395	$43 + 10 \log_{10}(p)$

Note: Measured at the edges of the highest and lowest frequency range(s) in which the equipment is designed to operate. See Section 5.2 for the permitted frequency ranges for various equipment types.

According to RSS-199 §4.5

In the 1 MHz band immediately outside and adjacent to the channel edge, the unwanted emission power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth for base station and fixed subscriber equipment, and 2% for mobile subscriber equipment. Beyond the 1 MHz band, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% or 2% of the occupied bandwidth, as applicable.

Equipment shall comply with the following unwanted emission limits:

(a) for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least 43 + 10 log10 p.

(b) for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power, P (dBW), by at least:

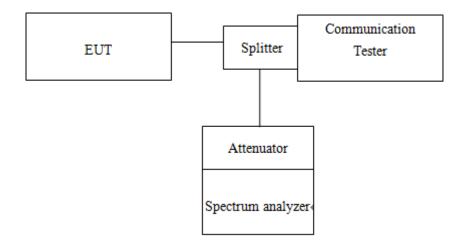
- (i) 40 + 10 log10 p from the channel edges to 5 MHz away
- (ii) 43 + 10 log10 p between 5 MHz and X MHz from the channel edges, and
- (iii) 55 + 10 log10 p at X MHz and beyond from the channel edges



In addition, the attenuation shall not be less than 43 + 10 log10 p on all frequencies between 2490.5 MHz and 2496 MHz, and 55 + 10 log10 p at or below 2490.5 MHz.

In (a) and (b), \mathbf{p} is the transmitter power measured in watts and \mathbf{X} is 6 MHz or the equipment occupied bandwidth, whichever is greater.

9.2. Test SET-UP



9.3. Measurement Procedure

Conducted Emission

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

Band Edge

- 1. To connect Antenna Port of EUT to Spectrum.
- The band edge of low and high channels for the highest RF powers was measured. Setting RBW ≥ 1% EBW.
- 3. Allow trace to fully stabilize
- 4. Repeat above procedures until all default test channel measured were complete.

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9.4. Measurement Equipment Used

Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT	MFR	MODEL	MODEL SERIAL		CAL DUE.				
TYPE		NUMBER	NUMBER	CAL.					
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018				
Communication Tester	Anritsu	MT8820C	6201107337	05/25/2017	05/24/2018				
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017				
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018				
DC Block	PASTERNACK	PE8210	RF29	12/12/2016	12/11/2017				
Splitter	RF-LAMBAD	RFLT2W1G1 8G	RF35	12/12/2016	12/11/2017				
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017				
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018				

9.5. Measurement Result:

Refer to next pages.

NOTE: The occurrence of the spike on the conducted emission is the signal of the fundamental emission.

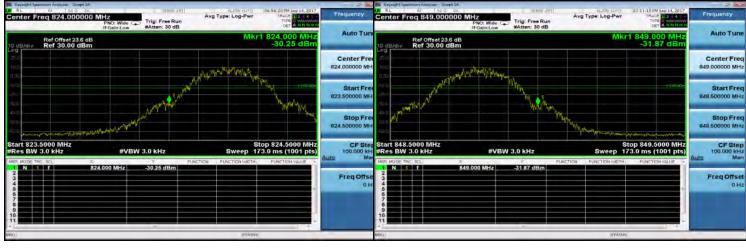
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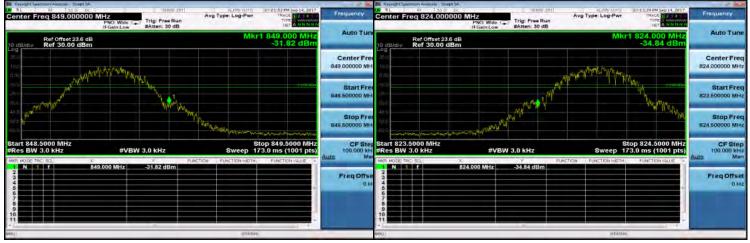
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GPRS_850MHz_HighCH251-848.8



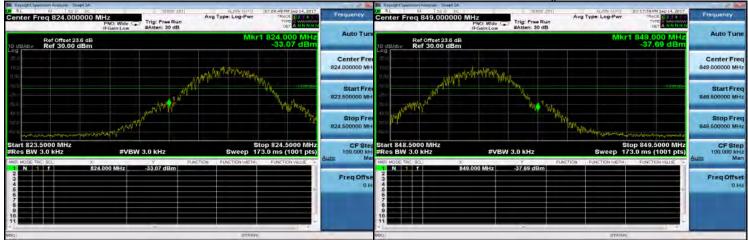
GSM_850MHz_HighCH251-848.8

EDGE_850MHz_LowCH128-824.2



GPRS 850MHz LowCH128-824.2

EDGE_850MHz_HighCH251-848.8



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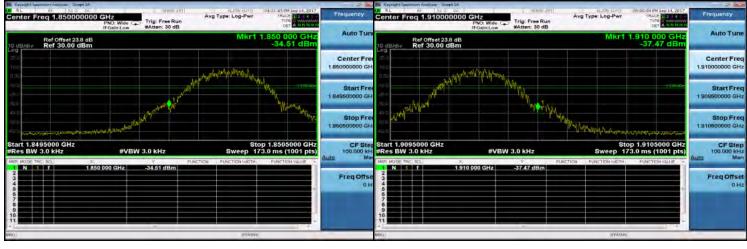
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GSM_1900MHz_LowCH512-1850.2

GPRS_1900MHz_HighCH810-1909.8



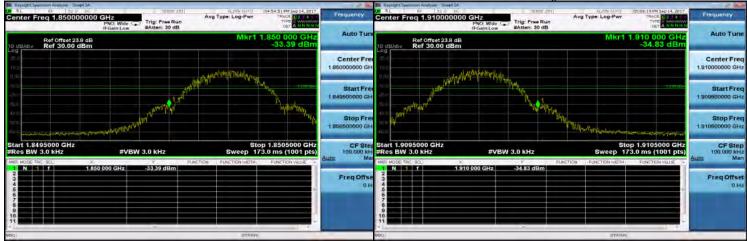
GSM_1900MHz_HighCH810-1909.8

EDGE_1900MHz_LowCH512-1850.2



GPRS_1900MHz_LowCH512-1850.2

EDGE_1900MHz_HighCH810-1909.8



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