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Reference Freq.:		E B5 Mid hannel	836.5000	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
	Fre	eq. ERROR vs. V	OLTAGE	
13.8	25	836.500008	0.0096	
12	25	836.500003	0.0036	
10.2	25	836.499999	-0.0012	+/- 2.5 ppm
10 (End Point)	25	836.500009	0.0108	
	[Freq. ERROR vs.	Temp.	
12	-30	836.500005	0.0060	
12	-20	836.500008	0.0096	
12	-10	836.500006	0.0072	
12	0	836.499998	-0.0024	
12	10	836.500001	0.0012	+/- 2.5 ppm
12	20	836.499998	-0.0024	
12	30	836.500004	0.0048	
12	40	836.500004	0.0048	
12	50	836.500005	0.0060	
Reference Freq.:		B12 Mid hannel	707.5000	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
Power Supply Vdc	Temp. (℃) Fre	Freq. (MHz) eq. ERROR vs. Vo	(ppm) DLTAGE	Limit
Power Supply Vdc 13.8				Limit
	Fre	eq. ERROR vs. V	OLTAGE	Limit
13.8	Fre 25	eq. ERROR vs. Vo 707.499999	DLTAGE -0.0014	Limit +/- 2.5 ppm
13.8 12	Fre 25 25	eq. ERROR vs. V(707.499999 707.500006	DLTAGE -0.0014 0.0085	
13.8 12 10.2 10	Fre 25 25 25 25 25	eq. ERROR vs. V(707.499999 707.500006 707.499999	DLTAGE -0.0014 0.0085 -0.0014 0.0028	
13.8 12 10.2 10	Fre 25 25 25 25 25	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002	DLTAGE -0.0014 0.0085 -0.0014 0.0028	
13.8 12 10.2 10 (End Point)	Fre 25 25 25 25 25	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs.	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp.	
13.8 12 10.2 10 (End Point) 12	Fre 25 25 25 25 25 -30	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp. 0.0000	
13.8 12 10.2 10 (End Point) 12 12	Fre 25 25 25 25 25 -30 -20	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000 707.500000	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp. 0.0000 0.0127	
13.8 12 10.2 10 (End Point) 12 12 12 12	Fre 25 25 25 25 25 F -30 -20 -10	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000 707.500009 707.499999	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp. 0.0000 0.0127 -0.0014	
13.8 12 10.2 10 (End Point) 12 12 12 12 12 12	Fre 25 25 25 25 25 -30 -20 -10 0	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000 707.500009 707.499999 707.500007	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp. 0.0000 0.0127 -0.0014 0.0099	+/- 2.5 ppm
13.8 12 10.2 10 (End Point) 12 12 12 12 12 12 12 12	Fre	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000 707.500000 707.499999 707.499997	DLTAGE -0.0014 0.0085 -0.0014 0.0028 Temp. 0.0000 0.0127 -0.0014 0.0099 -0.0042	+/- 2.5 ppm
13.8 12 10.2 10 (End Point) 12 12 12 12 12 12 12 12 12 12	Fre	eq. ERROR vs. V(707.499999 707.500006 707.499999 707.500002 Freq. ERROR vs. 707.500000 707.500009 707.500009 707.499999 707.499997 707.499996	-0.0014 -0.0085 -0.0014 0.0028 Temp. 0.0000 0.0127 -0.0014 0.0099 -0.0042 -0.0057	+/- 2.5 ppm

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		782.0000	MHz 10M QPSK CH 23230
Temp. (°C)	Freq. (MHz)	(ppm)	Limit
Fre	eq. ERROR vs. VO	OLTAGE	
25	781.999995	-0.0064	
25	782.000003	0.0038	
25	782.000005	0.0064	+/- 2.5 ppm
25	782.000006	0.0077	
F	req. ERROR vs.	Temp.	
-30	782.000004	0.0051	
-20	782.000004	0.0051	1
-10	781.999998	-0.0026	
0	782.000008	0.0102	
10	782.000005	0.0064	+/- 2.5 ppm
20	781.999997	-0.0038	
30	782.000008	0.0102	
40	781.999998	-0.0026	
50	782.000006	0.0077	
		710.0000	MHz 10M QPSK CH 23790
Temp. (°C)	Freq. (MHz)	(ppm)	Limit
	eq. ERROR vs. VC		
25	710.000006	0.0085	
25	709.999999	-0.0014	
25	710.000001	0.0014	+/- 2.5 ppm
05		0.0040	
25	/10.000003	0.0042	
F	req. ERROR vs.	Temp.	
-30	710.000009	0.0127	
-			
-			4
10	710.000003	0.0042	+/- 2.5 ppm
10 20	710.000003	0.0042	+/- 2.5 ppm
20	710.000000	0.0000	+/- 2.5 ppm
			+/- 2.5 ppm
	Ci Temp. (°C) 776 25 25 25 25 25 25 70 70 70 70 70 70 70 70 70 70 70 70 70	Freq. ERROR vs. V0 25 781.999995 25 782.00003 25 782.00005 25 782.00006 25 782.00004 25 782.00004 -30 782.00004 -20 782.00004 -10 781.999998 0 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 782.00008 10 781.999998 10 780.00006 10 710.00006 10 710.00003	Channel 782.0000 Temp. (°C) Freq. (MHz) (ppm) Freq. ERROR vs. VULTAGE 25 781.999995 -0.0064 25 782.000003 0.0038 25 25 782.000005 0.0064 25 782.00006 0.0077 25 782.00004 0.0051 20 782.00004 0.0051 -30 782.00004 0.0051 -20 782.00008 0.0026 0 782.00008 0.0102 -10 781.999998 -0.0026 0 782.00008 0.0102 10 782.00008 0.0102 10 782.00008 0.0102 10 782.00008 0.0012 10 782.00008 0.0012 10 782.00008 0.0012 10 782.00008 0.0012 10 782.00008 0.0012 10 782.00008 0.0012 10 781.999998 -0.0026 <



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Reference Freq.:	LTE B66 Mid Channel		1745.0000	MHz 10M QPSK CH 132322							
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit							
	Freq. ERROR vs. VOLTAGE										
13.8	25	1745.000007	0.0040								
12	25	1745.000009	0.0052								
10.2	25	1745.000003	0.0017	+/- 2.5 ppm							
10 (End Point)	25	1744.999998	-0.0011								
	F	Freq. ERROR vs.	Temp.								
12	-30	1745.000004	0.0023								
12	-20	1745.000005	0.0029								
12	-10	1745.000009	0.0052								
12	0	1745.000007	0.0040								
12	10	1744.999999	-0.0006	+/- 2.5 ppm							
12	20	1744.999995	-0.0029								
12	30	1744.999997	-0.0017								
12	40	1745.000008	0.0046								
12	50	1745.000001	0.0006								

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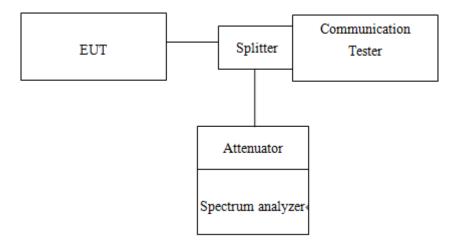


12 PEAK TO AVERAGE RATIO

12.1 Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

12.2 Test SET-UP



12.3 Measurement Procedure

- 1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
- 2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth; & internal =1ms
- 3. Set the number of counts to a value that stabilizes the measured CCDF curve.

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12.4 **Measurement Result**

	LTE BAND 2									
Char	Channel bandwidth: 1.4MHz				annel band	width: 3MH	Ηz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)			
(MHz)	CIT	16QAM	Limit	(MHz)	CH	16QAM	Limit			
1850.7	18607	5.13	13	1851.5	18615	5.31	13			
1880.0	18900	4.93	13	1880.0	18900	5.37	13			
1909.3	19193	5.04	13	1908.5	19185	5.31	13			

	LTE BAND 2									
Channel bandwidth: 5MHz				Cha	nnel band	width: 10M	Hz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	PAPR (dB)			
(MHz)	Сп	16QAM	Limit	(MHz)	СП	16QAM	Limit			
1852.5	18625	5.21	13	1855.0	18650	4.49	13			
1880.0	18900	5.14	13	1880.0	18900	4.24	13			
1907.5	19175	5.02	13	1905.0	19150	4.27	13			

	LTE BAND 2									
Cha	Channel bandwidth: 15MHz				nnel band	width: 20M	Hz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)			
(MHz)	Сп	16QAM	Limit	(MHz)	Сп	16QAM	Limit			
1857.5	18675	4.98	13	1860.0	18700	4.24	13			
1880.0	18900	4.86	13	1880.0	18900	4.28	13			
1902.5	19125	4.76	13	1900.0	19100	4.14	13			

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	LTE BAND 4									
Chai	Channel bandwidth: 1.4MHz				annel band	width: 3MH	Ηz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)			
(MHz)	CIT	16QAM	Limit	(MHz)	CH	16QAM	Limit			
1710.7	19957	5.08	13	1711.5	19965	5.43	13			
1732.5	20175	5.18	13	1732.5	20175	5.44	13			
1754.3	20393	4.96	13	1753.5	20385	5.35	13			

	LTE BAND 4									
Channel bandwidth: 5MHz				Cha	nnel band	width: 10M	Hz			
Freq. (MHz)	СН	PAPR	(dB)	Freq.	СН	PAPR	PAPR (dB)			
(MHz)	CIT	16QAM	Limit	(MHz)	CH	16QAM	Limit			
1712.5	19975	5.32	13	1715.0	20000	4.41	13			
1732.5	20175	5.18	13	1732.5	20175	4.54	13			
1752.5	20375	5.23	13	1750.0	20350	4.45	13			

	LTE BAND 4										
Cha	Channel bandwidth: 15MHz				Channel bandwidth: 20MHz						
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)				
(MHz)	СП	16QAM	Limit	(MHz)	СП	16QAM	Limit				
1717.5	20025	5.27	13	1720.0	20050	4.48	13				
1732.5	20175	4.90	13	1732.5	20175	4.38	13				
1747.5	20325	4.93	13	1745.0	20300	4.43	13				
			LTE B	AND 5							
Char	nnel bandv	vidth: 1.4N	IHz	Channel bandwidth: 3MHz							
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)				
(MHz)	CIT	16QAM	Limit	(MHz)	CH	16QAM	Limit				
824.7	20407	6.11	13	825.5	20415	6.07	13				
836.5	20525	6.00	13	836.5	20525	6.18	13				
848.3	20643	5.96	13	847.5	20635	6.07	13				

	LTE BAND 5									
Cha	Channel bandwidth: 5MHz				nnel band	width: 10M	Hz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	PAPR (dB)			
(MHz)	CIT	16QAM	Limit	(MHz)	CIT	16QAM	Limit			
826.5	20425	5.81	13	829.0	20450	5.61	13			
836.5	20525	6.06	13	836.5	20525	5.71	13			
846.5	20625	5.96	13	844.0	20600	5.58	13			

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	LTE BAND 12										
Chai	Channel bandwidth: 1.4MHz				annel band	width: 3Mł	Ηz				
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)				
(MHz)	CH	16QAM	Limit	(MHz)	CH	16QAM	Limit				
699.7	23017	5.77	13	700.5	23025	5.93	13				
707.5	23095	5.92	13	707.5	23095	5.94	13				
715.3	23173	5.65	13	714.5	23165	5.97	13				

			LTE B	and 12				
Cha	annel band	width: 5MH	Ηz	Channel bandwidth: 10MHz				
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR (dB)		
(MHz)	CIT	16QAM	Limit	(MHz)	CIT	16QAM	Limit	
701.5	23035	5.96	13	704.0	23060	5.54	13	
707.5	23095	5.96	13	707.5	23095	5.55	13	
713.5	23155	5.92	13	711.0	23130	5.58	13	
			LTE B	AND 13				
Cha	annel band	width: 5MI	Ηz	Cha	nnel band	width: 10M	Hz	
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR (dB)		
(MHz)	СП	16QAM	Limit	(MHz)	СП	16QAM	Limit	
779.5	23205	6.15	13					
782.0	23230	6.03	13	782.0	23230	5.61	13	
784.5	23255	5.78	13					
			LTE B	and 17				
Cha	annel band	width: 5MI	Ηz	Cha	nnel band	width: 10M	Hz	
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)	
(MHz)	СП	16QAM	Limit	(MHz)	СП	16QAM	Limit	
706.5	23755	5.94	13	709.0	23780	5.67	13	
710.0	23790	6.07	13	710.0	23790	5.57	13	
713.5	23825	5.83	13	711.0	23800	5.63	13	

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LTE BAND 66							
Cha	Channel bandwidth: 1.4MHz			Cha	annel band	width: 3MH	Ηz
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)
(MHz)	CIT	16QAM	Limit	(MHz)	CIT	16QAM	Limit
1710.7	131979	6.52	13	1711.5	131987	6.50	13
1745.0	132322	6.16	13	1745.0	132322	6.46	13
1779.3	132665	6.32	13	1778.5	132657	6.16	13

	LTE BAND 66							
Cha	annel band	width: 5Mł	Ηz	Cha	nnel band	width: 10M	Hz	
Freq. (MHz)	CH PAPR (dB)		сц	Freq.	СН	PAPR	(dB)	
(MHz)	CIT	16QAM	Limit	(MHz)	CH	16QAM	Limit	
1712.5	131997	6.12	13	1715.0	132022	6.18	13	
1745.0	132322	6.26	13	1745.0	132322	5.96	13	
1777.5	132647	6.18	13	1775.0	132622	5.73	13	

LTE BAND 66							
Cha	Channel bandwidth: 15MHz				nnel band	width: 20M	Hz
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)
(MHz)	СП	16QAM	Limit	(MHz)	СП	16QAM	Limit
1717.5	132047	5.90	13	1720.0	132072	5.90	13
1745.0	132322	5.91	13	1745.0	132322	5.85	13
1772.5	132597	5.81	13	1770.0	132572	5.93	13

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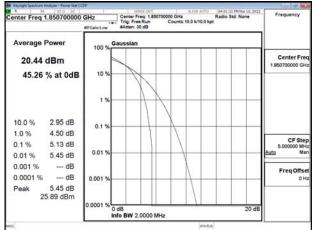
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Band2_1.4MHz_16QAM_RB6_0_CH18607

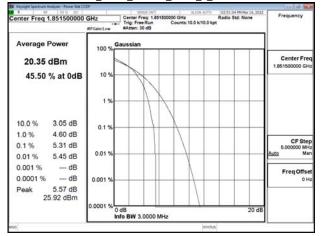


Band2 1.4MHz 16QAM RB6 0 CH18900 Center Freq: 1.880000000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.880000000 GHz Average Power 100 % Center Free 20.04 dBm 10 9 45.85 % at 0dB 1 10.0 % 2.95 dB 0.1 1.0 % 4.38 dB CF Ste 0.1 % 4.93 dB 0.01 0.01 % 5.01 dB 0.001 % --- dB Freq Offs --- dB 0.0001 % 0.001 5.04 dB Peak 25.08 dBm 0001 9 0 dB Info BW 2.0000 MHz

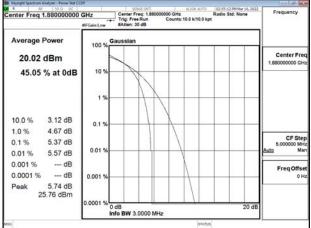
Band2_1.4MHz_16QAM_RB6_0_CH19193

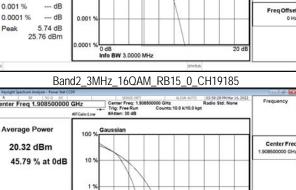
Center Freq 1.909300000 (SH2 Center Freq: 1.305000000 GHz Center Freq: 1.305000000 GHz Trig: Free Kunn Counts: 10.0 k/10.0 kpt #FGeinLow #Atten: 30 dB	Frequency
Average Power 20.51 dBm 45.24 % at 0dB	100 % Gaussian	Center Freq 1.909300000 GHz
10.0 % 2.98 dB	1%	
1.0 % 4.43 dB 0.1 % 5.04 dB 0.01 % 5.28 dB 0.001 % dB	0.01%	CF Step 5.000000 MH Auto Mar
0.0001 % dB 0.0001 % dB Peak 5.30 dB 25.81 dBm	0.001%	Freq Offset 0 Ho
	0.0001 % 0 dB 20 dB 20 dB	

Band2_3MHz_16QAM_RB15_0_CH18615



Band2 3MHz 16QAM RB15 0 CH18900





Average Power 20.32 dBm 10.0 % 2.96 dB 011 1.0 % 4.66 dB CF Step 0.1% 5.31 dB 0.01 0.01 % 5.92 dB 0.001 % --- dB Freq Offs 0.0001 % ---- dB 0.001 OH

0 dB Info BW 3.0000 MHz

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5.94 dB

0001

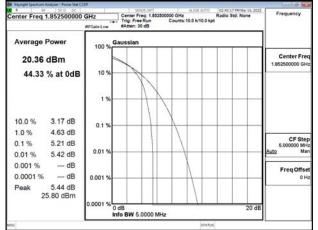
26.26 dBm

Peak

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Band2_5MHz_16QAM_RB25_0_CH18625

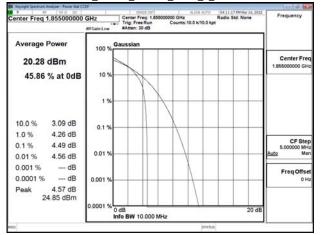


Band2 5MHz 16QAM RB25 0 CH18900 Center Freq: 1.880000000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.880000000 GHz Average Power 100 % Center Free 20.02 dBm 10 46.35 % at 0dB 1 10.0 % 2.82 dB 0.1 1.0 % 4.39 dB CF Ste 0.1 % 5.14 dB 0.01 0.01 % 5.59 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.99 dB Peak 26.01 dBm 0 dB Info BW 5.0000 MHz

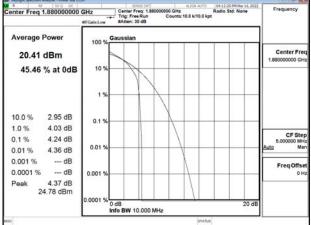
Band2_5MHz_16QAM_RB25_0_CH19175

Reyold Spectrum Analyse - Power Stat CC R 36 19 190 CC Center Freq 1.907500000	SENSE SNT ALIGN AUTO 02:47:08 PM Mar 16, 2022	Frequency
Average Power 20.39 dBm 45.44 % at 0dB	100 % Gaussian	Center Freq 1.907500000 GHz
45.44 % at 60B	1%	
10.0 % 2.92 dB 1.0 % 4.46 dB	0.1 %	55475 0 77
0.1 % 5.02 dB 0.01 % 5.54 dB	0.01 %	CF Step 5.000000 MH: <u>Auto</u> Mar
0.001 % dB 0.0001 % dB Peak 5.62 dB	0.001 %	Freq Offse 0 Hz
26.01 dBm	0.0001 % 0 dB 20 dB Info BW 5.0000 MHz	

Band2_10MHz_16QAM_RB16_0_CH18650



Band2 10MHz 16QAM RB16 0 CH18900



Band2_10MHz_16QAM_RB16_0_CH19150 Radio Std: None Center Freq: 1.905000000 GHz Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.905000000 GHz Gain:Lo Average Power 100 % Center Free 20.28 dBm 10 % 46.13 % at 0dB 10.0 % 2.87 dB 0.1 5 1.0 % 3.97 dB CF Step 0.1% 4.27 dB 0.01 0.01 % 4.40 dB 0.001 % ---- dB Freq Offs 0.0001 % ---- dB 0.001 OH 4.40 dB Peak 24.68 dBm 0001 0 dB Info BW 10.000 MHz

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Band2_15MHz_16QAM_RB16_0_CH18675

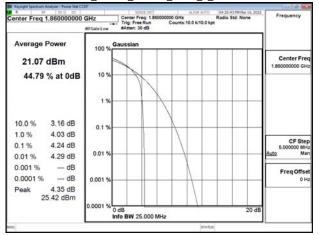


Band2 15MHz 16QAM RB16 0 CH18900 Center Freq: 1.880000000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.880000000 GHz Average Power 100 % Center Free 20.39 dBm 10 44.65 % at 0dB 1 10.0 % 3.08 dB 0.1 1.0 % 4.32 dB CF Ste 0.1 % 4.86 dB 0.01 0.01 % 5.23 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.28 dB Peak 25.67 dBm 0001 9 0 dB Info BW 10.000 MHz

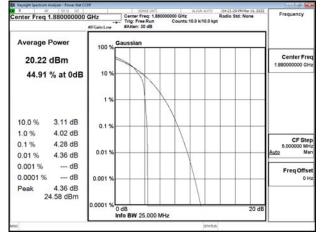
Band2_15MHz_16QAM_RB16_0_CH19125

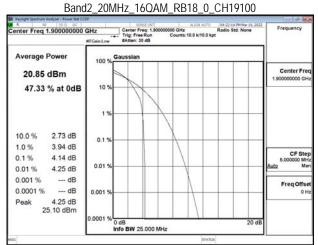
R Register Spectrum Analyse - Power Stat CC R R RF 150 0 CC Center Freq 1.9025000000	SENSE INT ALIGN AUTO 04:16:36 PM Mar 16, 2022	Frequency
Average Power 20.10 dBm 45.21 % at 0dB	100 % Gaussian	Center Freq 1.902500000 GHz
	1%	
10.0 % 3.01 dB 1.0 % 4.31 dB 0.1 % 4.76 dB 0.01 % 5.04 dB	0.01%	CF Step 5.000000 MH Auto Mar
0.001 % dB 0.0001 % dB Peak 5.22 dB	0.001 %	Freq Offse 0 H
25.32 dBm	0.0001 % 0 dB 20 dB	

Band2_20MHz_16QAM_RB18_0_CH18700



Band2 20MHz 16QAM RB18 0 CH18900





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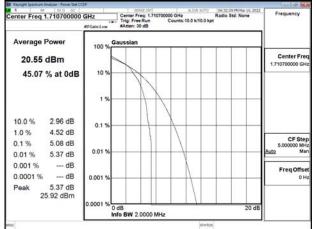
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Band4_1.4MHz_16QAM_RB6_0_CH19957

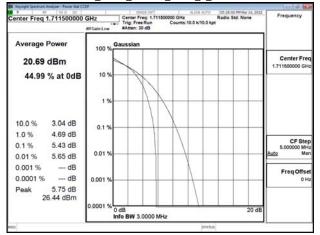


Band4 1.4MHz 16QAM RB6 0 CH20175 Center Freq: 1.732500000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.732500000 GHz Average Power 100 % Center Free 20.48 dBm 1 732500000 G 10 44.98 % at 0dB 1 10.0 % 3.02 dB 0.1 1.0 % 4.62 dB CF Ste 0.1 % 5.18 dB 0.01 0.01 % 5.51 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.59 dB Peak 26.07 dBm 0 dB Info BW 2.0000 MHz

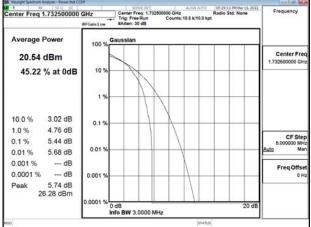
Band4_1.4MHz_16QAM_RB6_0_CH20393

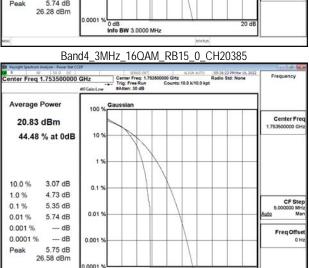
Center Freq 1.754300000	SHCE SHT ALIGN AUTO 06-40 00 PMMar 16, 2022 Center Freq: 1.754300000 GHz Radio Std: None TFGeinLow ALTER: Tel: Free State Counts: 10.0 k/10.0 kpt #Atten: 30 dB	Frequency
Average Power 20.50 dBm 43.98 % at 0dB	100 % Gaussian	Center Freq 1.754300000 GHz
	1%	
10.0 % 2.90 dB 1.0 % 4.47 dB	0.1%	
0.1 % 4.96 dB 0.01 % 5.10 dB	0.01 %	CF Step 5.000000 MH Auto Mar
0.001 % dB 0.0001 % dB Peak 5.11 dB	0.001 %	Freq Offse 0 Hz
25.61 dBm	0.0001 % 0 dB 20 dB Info BW 2.0000 MHz	

Band4_3MHz_16QAM_RB15_0_CH19965



Band4 3MHz 16QAM RB15 0 CH20175





0 dB Info BW 3.0000 MHz

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Band4_5MHz_16QAM_RB25_0_CH19975

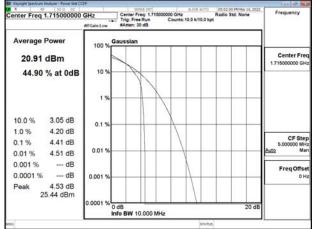


Band4 5MHz 16QAM RB25 0 CH20175 Center Freq: 1.732500000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.732500000 GHz Average Power 100 % Center Free 20.59 dBm 1 732500000 G 10 9 43.87 % at 0dB 1 10.0 % 3.08 dB 0.1 1.0 % 4.58 dB CF Ste 0.1 % 5.18 dB 0.01 0.01 % 5.61 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.65 dB Peak 26.24 dBm 0 dB Info BW 5.0000 MHz

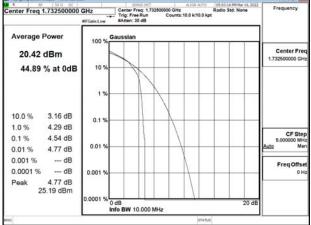
Band4_5MHz_16QAM_RB25_0_CH20375

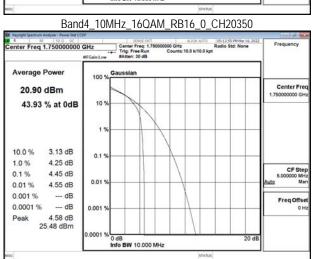
Center Freq 1.752500000	SHOE BIT ALLON ALTON ALT	Frequency
Average Power 20.80 dBm	100 % Gaussian	Center Freq
45.71 % at 0dB	10 %	
10.0 % 2.88 dB 1.0 % 4.57 dB	0.1 %	
0.1 % 5.23 dB 0.01 % 5.80 dB	0.01 %	CF Stej 5.000000 MH Auto Ma
0.001 % dB 0.0001 % dB Peak 6.07 dB	0.001 %	Freq Offse 0 H
26.87 dBm	0.0001 % 0 dB 20 dB	

Band4_10MHz_16QAM_RB16_0_CH20000



Band4 10MHz 16QAM RB16 0 CH20175





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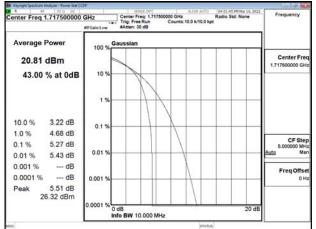
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Band4_15MHz_16QAM_RB16_0_CH20025

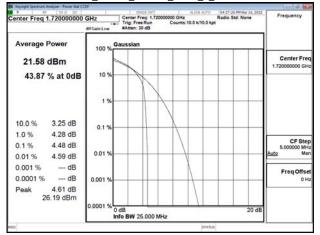


Band4 15MHz 16QAM RB16 0 CH20175 Center Freq: 1,732500000 GHz Trig: Free Run Counts: 10.0 k/10.0 kot enter Freq 1.732500000 GHz Average Power 100 % Center Free 20.76 dBm 1 732500000 G 10 44.04 % at 0dB 1 10.0 % 3.12 dB 0.1 1.0 % 4.46 dB CF Ste 0.1 % 4.90 dB 0.01 0.01 % 5.35 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.38 dB Peak 26.14 dBm 0 dB Info BW 10.000 MHz

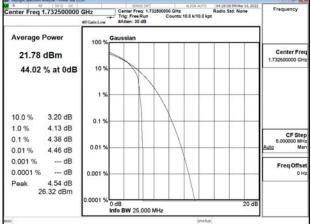
Band4_15MHz_16QAM_RB16_0_CH20325

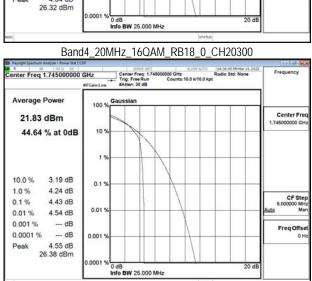
R RF 50 0 00 Center Freq 1.747500000	SHZ Center Freq: 1.747500000 GHz Radio Std: None Trig: Freq: nm Counts: 10.0 k/10.0 kpt Radio Std: None #FGeint.ew #Atten: 30 dB Counts: 10.0 k/10.0 kpt	Frequency
Average Power 20.87 dBm	100 % Gaussian	Center Freq 1.747500000 GHz
43.99 % at 0dB	10%	
10.0 % 3.09 dB 1.0 % 4.48 dB	0.1 %	10000
0.1 % 4.93 dB 0.01 % 5.25 dB	0.01 %	CF Step 5.000000 MHz atto Man
0.001 % dB 0.0001 % dB Peak 5.39 dB	0.001 %	Freq Offset 0 Hz
26.26 dBm	0.0001 % 0 dB 20 dB	

Band4_20MHz_16QAM_RB18_0_CH20050



Band4 20MHz 16QAM RB18 0 CH20175





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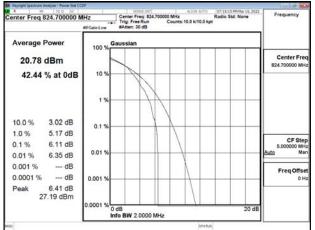
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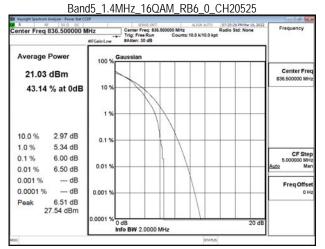
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Band5_1.4MHz_16QAM_RB6_0_CH20407

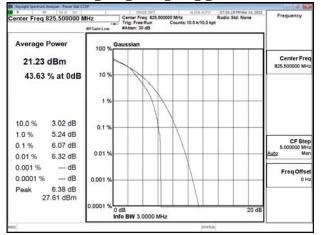




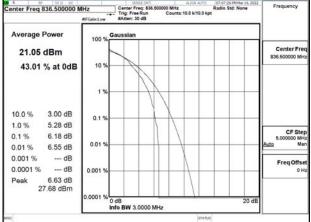
Band5_1.4MHz_16QAM_RB6_0_CH20643

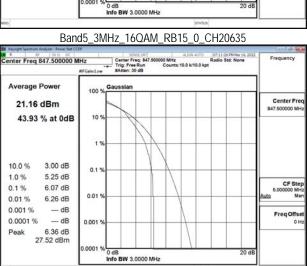
A RF 58 9 00 Center Freq 848.300000 M	Hz Center Freq: 548.300000 MHz Radio Std: None TrG: freq: Run Counts: 10.0 k/10.0 kpt #Atten: 30 dB	Frequency
Average Power	100 % Gaussian	Center Free
20.65 dBm 43.30 % at 0dB	10 %	848.300000 MH:
	1%	
10.0 % 3.00 dB 1.0 % 5.06 dB	0.1 %	
0.1 % 5.96 dB 0.01 % 6.32 dB	0.01 %	CF Step 5.000000 MH Auto Ma
0.001 % dB 0.0001 % dB Peak 6.34 dB	0.001%	Freq Offse 0 H
26.99 dBm	0.0001 % 0 dB 20 dB 20 dB	

Band5_3MHz_16QAM_RB15_0_CH20415



Band5 3MHz 16QAM RB15 0 CH20525





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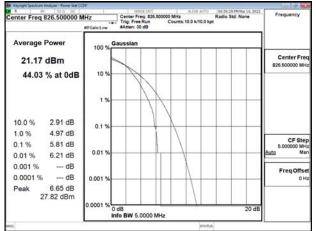
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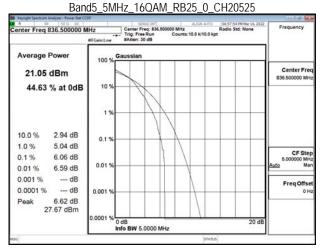
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Band5_5MHz_16QAM_RB25_0_CH20425





Band5_5MHz_16QAM_RB25_0_CH20625

Keyogit Spectrum Analyze - Power Stat CC R RF 30 0 CC Center Freq 846.500000 M	SENSE 2NT ALIGN AUTO 07:02:30 PM Mar 16, 2	2022 Frequency
Average Power 21.28 dBm 44.44 % at 0dB	100 % Gaussian	Center Free 846.500000 MHz
	1 %	-
10.0 % 2.90 dB 1.0 % 5.03 dB	0.1 %	-
0.1 % 5.96 dB 0.01 % 6.54 dB 0.001 % dB	0.01%	CF Step 5.000000 MH Auto Mar
0.0001 % dB Peak 6.70 dB 27.98 dBm	0.001 %	Freq Offse 0 H
27.50 0011	0.0001 % 0 dB 20 Info BW 5.0000 MHz 20	dB

Center Freq: 829.000000 MHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt nter Freq 829.000000 MHz Frequency Average Power 100 Center Fre 21.12 dBm 829.000000 44.42 % at 0dB 10 10.0 % 2.90 dB 0.1 1.0 % 4.96 dB

0.1 %

Peak

0.01 %

0.001 %

0.0001 %

5.61 dB

5.80 dB

--- dB

--- dB

5.80 dB

26.92 dBm

0.01

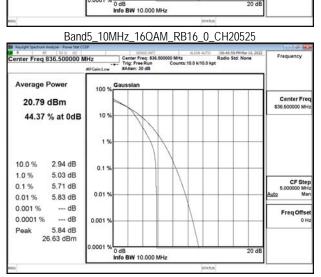
0.001

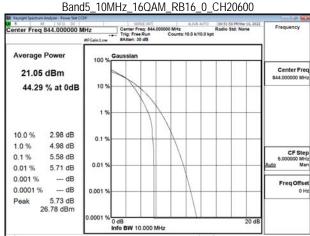
CF St

Freq Offs

5.0000

Band5_10MHz_16QAM_RB16_0_CH20450





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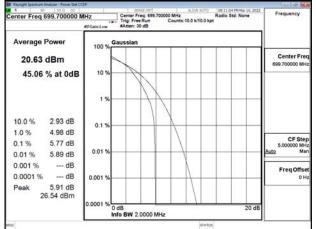
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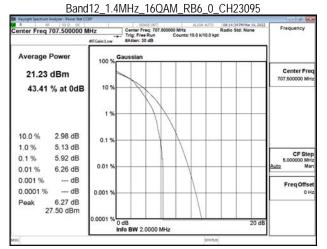
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Band12_1.4MHz_16QAM_RB6_0_CH23017

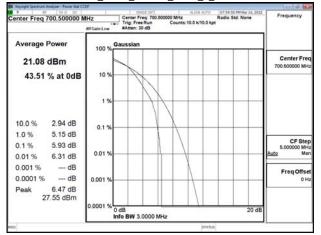




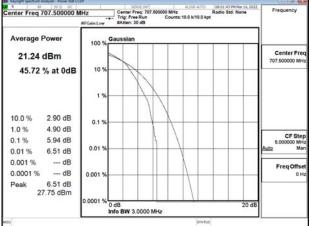
Band12_1.4MHz_16QAM_RB6_0_CH23173

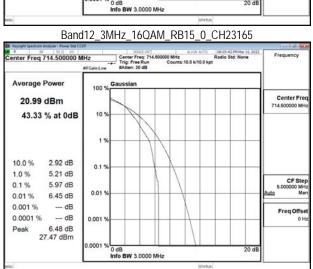
Center Freq 715.300000 M	Hz Center Freq: 716.300000 MHz Radio Std: None FrGeint.ew #Atten: 20 dB	Frequency
Average Power 21.20 dBm 44.10 % at 0dB	100 % Gaussian	Center Free 715.300000 MHz
	1 %	
10.0 % 2.88 dB 1.0 % 5.05 dB	0.1 %	
0.1 % 5.65 dB 0.01 % 6.24 dB 0.001 % dB	0.01%	CF Step 5.000000 MH Auto Mar
0.0001 % dB Peak 6.25 dB	0.001 %	Freq Offse 0 H
27.45 dBm	0.0001 % 0 dB 20 dB	

Band12_3MHz_16QAM_RB15_0_CH23025



Band12 3MHz 16QAM RB15 0 CH23095





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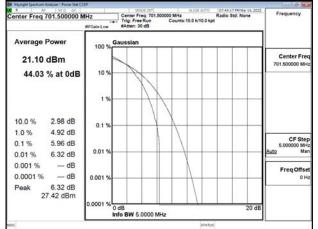
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Band12_5MHz_16QAM_RB25_0_CH23035

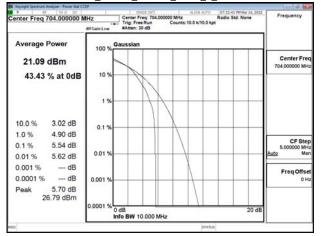


Band12 5MHz 16QAM RB25 0 CH23095 Center Free; 707.500000 MHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 707.500000 MHz Average Power Ga 100 % Center Free 21.15 dBm 707 500000 M 10 9 44.54 % at 0dB 1 10.0 % 3.00 dB 0.1 1.0 % 4.94 dB CF Ste 0.1 % 5.96 dB 0.01 0.01 % 6.26 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 6.45 dB Peak 27.60 dBm 0 dB Info BW 5.0000 MHz

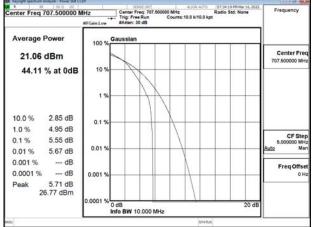
Band12_5MHz_16QAM_RB25_0_CH23155

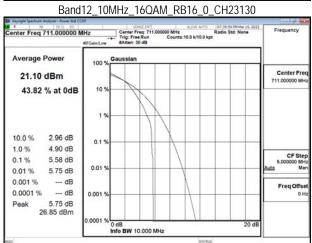
Center Freq 713.500000 M	42 67.5412 PM Mar 16, 2022 42 Trig: Free; 713.600000 MHz Radio Std: None Trig: Free; Trig: Tri	Frequency
Average Power 20.99 dBm 44.41 % at 0dB	100 % Gaussian	Center Freq 713.500000 MHz
	1 %	
10.0 % 2.98 dB 1.0 % 4.99 dB	0.1 %	
0.1 % 5.92 dB 0.01 % 6.14 dB	0.01%	CF Step 5.000000 MH: <u>Auto</u> Mar
0.001 % dB 0.0001 % dB Peak 6.14 dB	0.001 %	Freq Offse 0 H
27.13 dBm	0.0001 % 0 dB 20 dB	

Band12_10MHz_16QAM_RB16_0_CH23060



Band12 10MHz 16QAM RB16 0 CH23095





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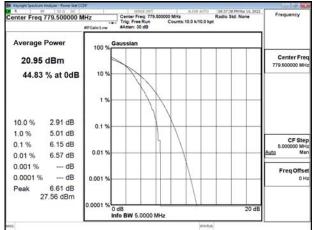
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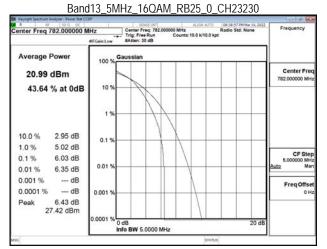
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Band13_5MHz_16QAM_RB25_0_CH23205

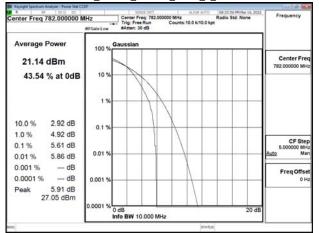




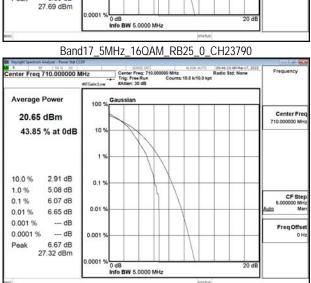
Band13_5MHz_16QAM_RB25_0_CH23255

Center Freq 784.500000 M	Stitle: Exit Auton Auton 0842 37 2M Mar 16, 2022 Center Freq: 784.600000 MHz Radio Std: None Trig: Free Num Counts: 10.0 k/10.0 kpt #FGeint.ow #Atten: 30 dB #Atten: 40 dB #Atten: 40 dB #Atten: 40 dB	Frequency
Average Power 21.09 dBm 42.99 % at 0dB	100 % Gaussian	Center Freq 784.500000 MHz
	1 %	
10.0 % 3.11 dB 1.0 % 5.03 dB	0.1%	
0.1 % 5.78 dB 0.01 % 6.51 dB	0.01 %	CF Step 5.000000 MH: Auto Mar
0.001 % dB 0.0001 % dB Peak 6.51 dB	0.001 %	Freq Offset 0 Hz
27.60 dBm	0.0001 % 0 dB 20 dB	

Band13_10MHz_16QAM_RB16_0_CH23230



Band17 5MHz 16QAM RB25 0 CH23755 Center Freq: 706.500000 MHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 706.500000 MHz Average Power 100 9 Center Free 21.09 dBm 706 500000 M 10 45.22 % at 0dB 1 10.0 % 2.88 dB 0.1 1.0 % 4.87 dB CF Ste 0.1 % 5 94 dB 0.01 0.01 % 6.40 dB 0.001 % ---- dB Freq Offs 0.0001 % --- dB 0.001 Peak 6.60 dB 27.69 dBm 0001 9 0 dB Info BW 5.0000 MHz



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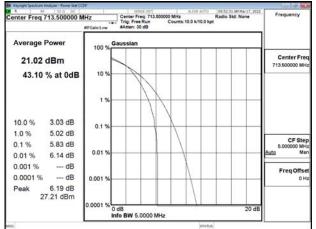
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Band17_5MHz_16QAM_RB25_0_CH23825

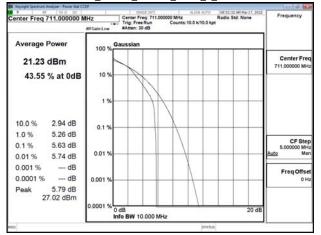


Band17 10MHz 16QAM RB16 0 CH23780 Center Free; 709.000000 MHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 709.000000 MHz Average Power 100 % Center Free 21.13 dBm 709 000000 N 10 9 43.53 % at 0dB 1 10.0 % 2.92 dB 0.1 1.0 % 5.06 dB CF Ste 0.1 % 5.67 dB 0.01 0.01 % 5.84 dB 0.001 % --- dB Freq Offs 0.0001 % --- dB 0.001 5.89 dB Peak 27.02 dBm 0 dB Info BW 10.000 MHz

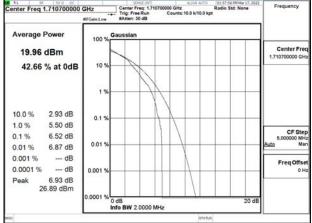
Band17_10MHz_16QAM_RB16_0_CH23790

Center Freq 710.000000 M	Hz Center Freq: 710.000000 MHz Radio Std: None TrG freq: Thu Counts: 10.0 k/10.0 k/t0.0 kpt #Atten: 30 dB	Frequency
Average Power 21.15 dBm	100 % Gaussian	Center Freq 710.000000 MHz
43.90 % at 0dB	10%	
10.0 % 2.92 dB 1.0 % 5.01 dB	0.1 %	
0.1 % 5.57 dB 0.01 % 5.70 dB	0.01 %	CF Step 5.000000 MHg Auto Mar
0.001 % dB 0.0001 % dB Peak 5.70 dB	0.001 %	Freq Offsel 0 Hz
26.85 dBm	0.0001 % 0 dB 20 dB	

Band17_10MHz_16QAM_RB16_0_CH23800



Band66_1.4MHz_16QAM_RB6_0_CH131979



Band66_1.4MHz_16QAM_RB6_0_CH132322 Radio Std: None Center Freq: 1.745000000 GHz Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.745000000 GHz Gainto Average Power 100 % Center Free 19.63 dBm 1,74500 10.9 42.77 % at 0dB 10.0 % 2.89 dB 0.1 5 1.0 % 5.35 dB CF Step 0.1% 6.16 dB 0.01 0.01 % 6.77 dB 0.001 % --- dB Freq Offs 0.0001 % ---- dB 0.001 OH 6.85 dB Peak 26.48 dBm 0001 0 dB Info BW 2.0000 MHz

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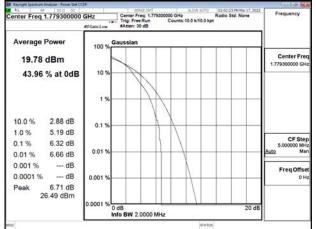
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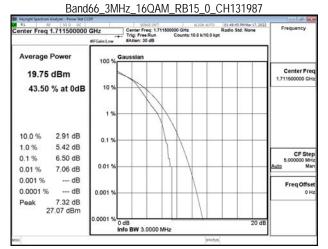
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Band66_1.4MHz_16QAM_RB6_0_CH132665

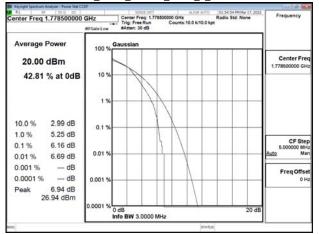




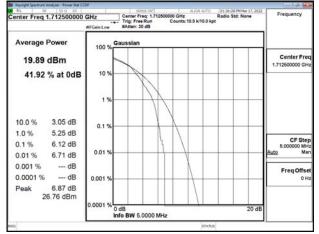
Band66_3MHz_16QAM_RB15_0_CH132322

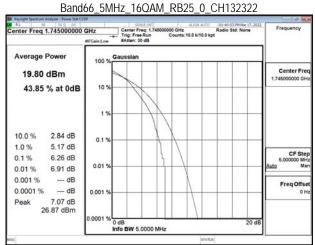
Center Freq 1.745000000	SHOE DATI ALTON AUTO (01.59.27 PM Mar 17 Center Freq: 1.74500000 GHz RFGeinLow #Atten: 30 dB	Frequency
Average Power 19.49 dBm 44.36 % at 0dB	100 % Gaussian	Center Freq 1.745000000 GHz
	1 %	
10.0 % 2.92 dB 1.0 % 5.42 dB	0.1 %	CF Step
0.1% 6.46 dB 0.01% 7.14 dB 0.001% dB	0.01 %	5.000000 MH Auto Mar
0.0001 % dB Peak 7.15 dB 26.64 dBm	0.001 %	Freq Offset 0 Hz
20.04 0011	0.0001 % 0 dB 20 Info BW 3.0000 MHz 20	dB

Band66_3MHz_16QAM_RB15_0_CH132657



Band66 5MHz 16QAM RB25 0 CH131997





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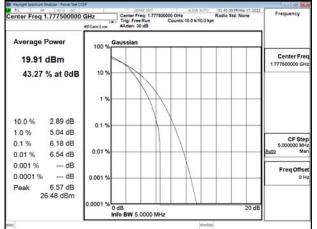
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Band66_5MHz_16QAM_RB25_0_CH132647

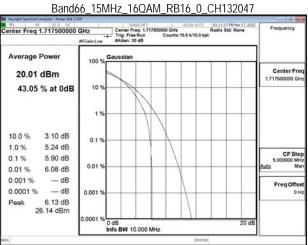


Band66 10MHz 16QAM RB16 0 CH132022 Center Freq: 1.715000000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.715000000 GHz Average Power 100 % Center Free 19.88 dBm 1 715000000 G 10 43.90 % at 0dB 1 10.0 % 3.02 dB 0.1 1.0 % 5.46 dB CF Ste 0.1 % 6 18 dB 0.01 0.01 % 6.29 dB 0.001 % --- dB Freq Offs 0.0001 % ---- dB 0.001 6.34 dB Peak 26.22 dBm 0001 0 dB Info BW 10.000 MHz

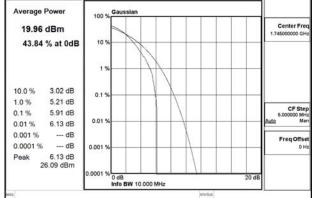
Band66_10MHz_16QAM_RB16_0_CH132322

Record Spectrum Analyze - Power Stat CC RL RF 30.9 CC Center Freq 1.745000000	SENSE INT ALIGN AUTO 01:28:54 PM Mar 17, 2	Frequency
Average Power 20.08 dBm	100 % Gaussian	Center Free 1.745000000 GHz
42.55 % at 0dB	1 %	_
10.0 % 3.04 dB 1.0 % 5.20 dB	0.1 %	_
0.1 % 5.96 dB 0.01 % 6.12 dB	0.01 %	CF Stej 5.000000 MH <u>Auto</u> Ma
0.001 % dB 0.0001 % dB Peak 6.14 dB	0.001 %	Freq Offse
26.22 dBm	0.0001 % 0 dB 20 10.000 MHz	dB

Band66_10MHz_16QAM_RB16_0_CH132622 Center Freq: 1.775000000 GHz Radio Std: None Trig: Free Run Counts: 10.0 k/10.0 kpt nter Freq 1.775000000 GHz Frequency Average Power 100 Center Fre 19.13 dBm 1 7750 42.29 % at 0dB 10 10.0 % 2.99 dB 0.1 1.0 % 5.10 dB CF St 0.1 % 5.73 dB 5.0000 0.01 0.01 % 5.87 dB 0.001 % ---- dB Freq Offs 0.0001 % --- dB 0.001 Peak 5.87 dB 25.00 dBm 0 dB Info BW 10.000 MHz



Band66_15MHz_16QAM_RB16_0_CH132322 Radio Std: Nore Center Freq: 1.745000000 GHz Trig: Free Run Counts: 10.0 k/10.0 kpt enter Freq 1.745000000 GHz Gainto



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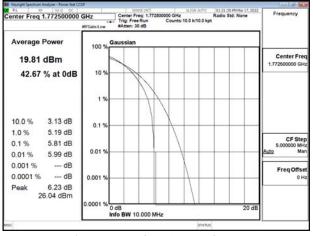
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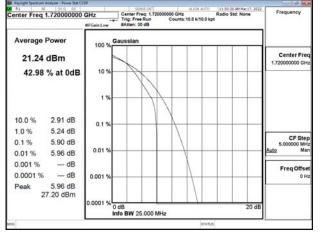
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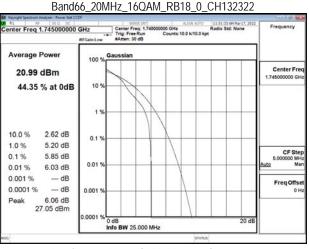


Band66_15MHz_16QAM_RB16_0_CH132597

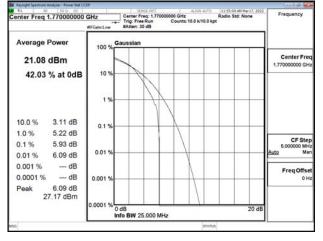


Band66_20MHz_16QAM_RB18_0_CH132072





Band66_20MHz_16QAM_RB18_0_CH132572



~ End of Report ~

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