

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	18675	1857.5	QPSK	27.12	21.95	4.98
			16-QAM	27.49	22.05	5.33
	18900	1880	QPSK	27.37	22.09	5.07
			16-QAM	27.68	22.10	5.48
	19125	1902.5	QPSK	27.38	22.00	5.11
			16-QAM	28.08	22.53	5.50
20M	18700	1860	QPSK	26.25	21.07	5.00
			16-QAM	26.59	21.10	5.37
	18900	1880	QPSK	26.47	21.23	5.04
			16-QAM	26.77	21.14	5.43
	19100	1900	QPSK	26.66	21.09	5.30
			16-QAM	26.95	21.09	5.72

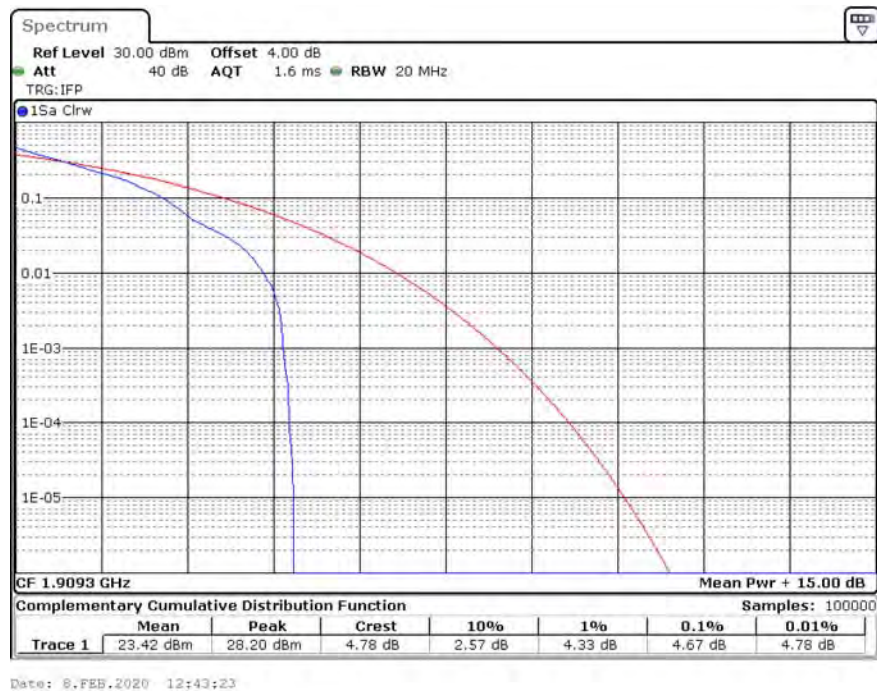
B2 CH18607 1.4M 1RB0 QPSK Ratio



B2 CH18900 1.4M 1RB0 QPSK Ratio



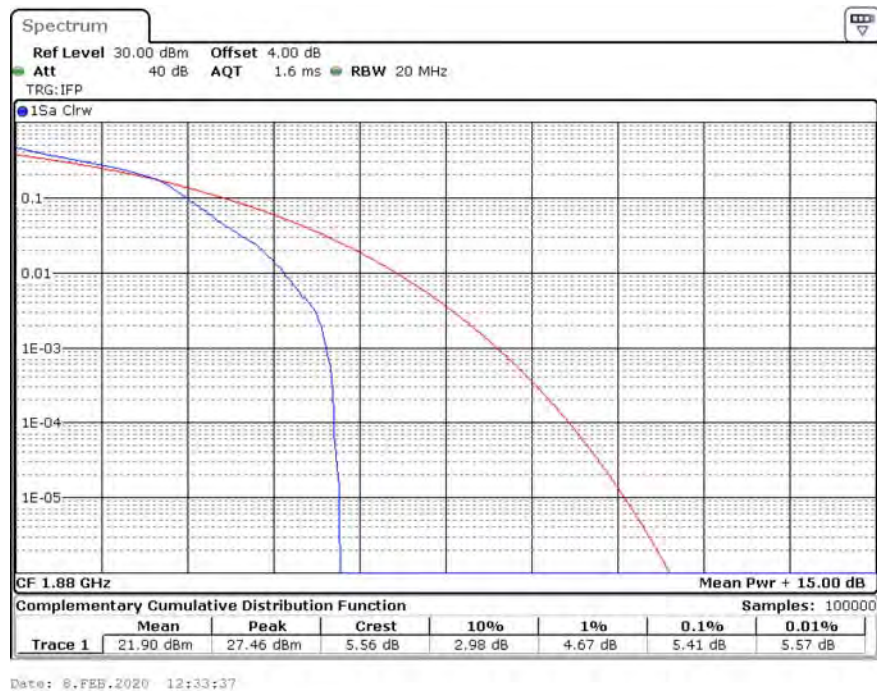
B2_CH19193_1.4M_1RB5_QPSK_Ratio



B2_CH18607_1.4M_1RB0_16-QAM_Ratio



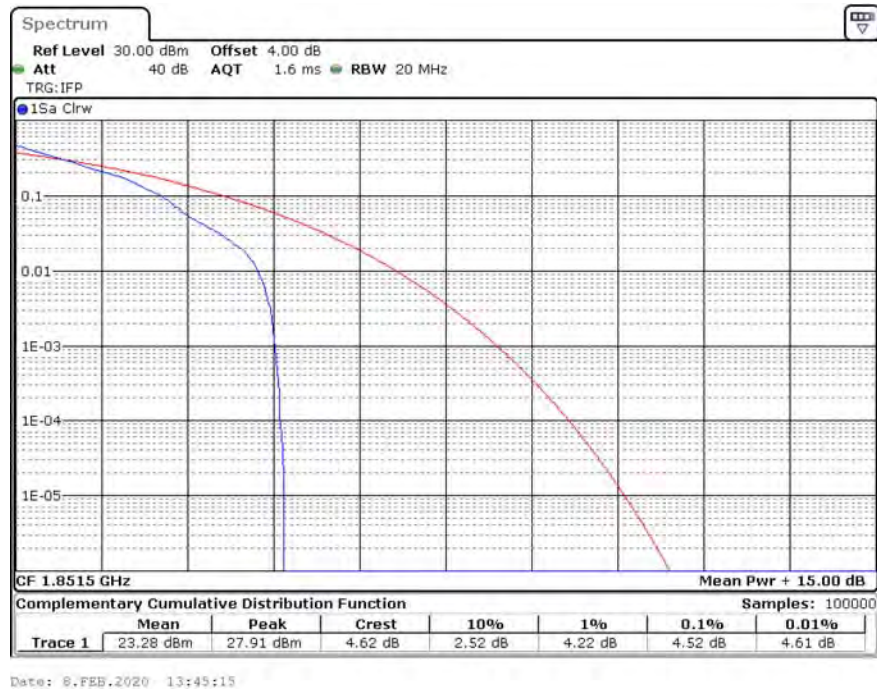
B2_CH18900_1.4M_1RB0_16-QAM_Ratio



B2_CH19193_1.4M_1RB5_16-QAM_Ratio



B2_CH18615_3M_1RB0_QPSK_Ratio



_B2_CH18900_3M_1RB0_QPSK_Ratio



B2_CH19185_3M_1RB0_QPSK_Ratio



B2_CH18615_3M_1RB0_16-QAM_Ratio



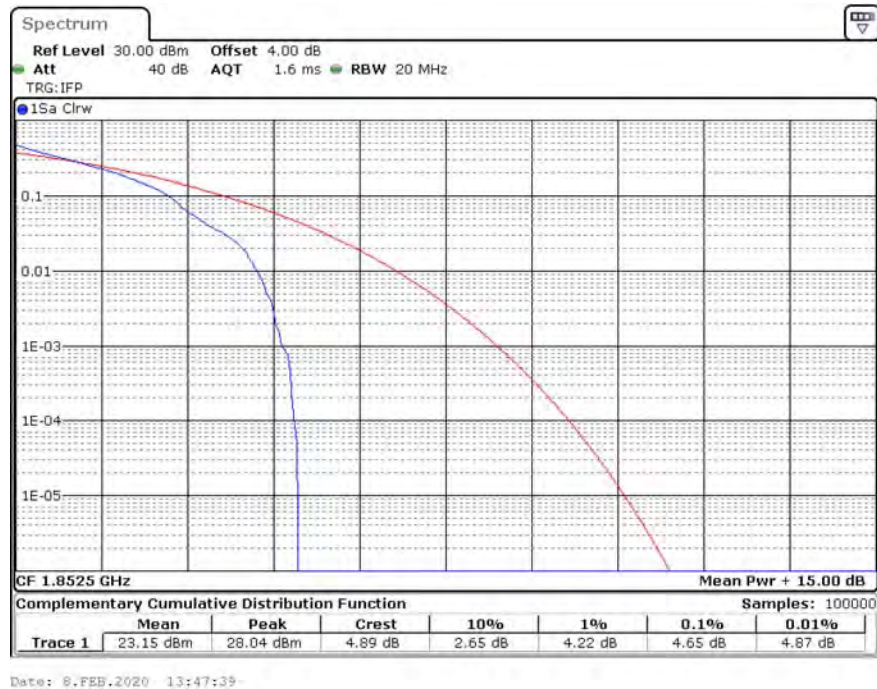
B2_CH18900_3M_1RB0_16-QAM_Ratio



B2_CH19185_3M_1RB5_16-QAM_Ratio



B2_CH18625_5M_1RB0_QPSK_Ratio



_B2_CH18900_5M_1RB0_QPSK_Ratio



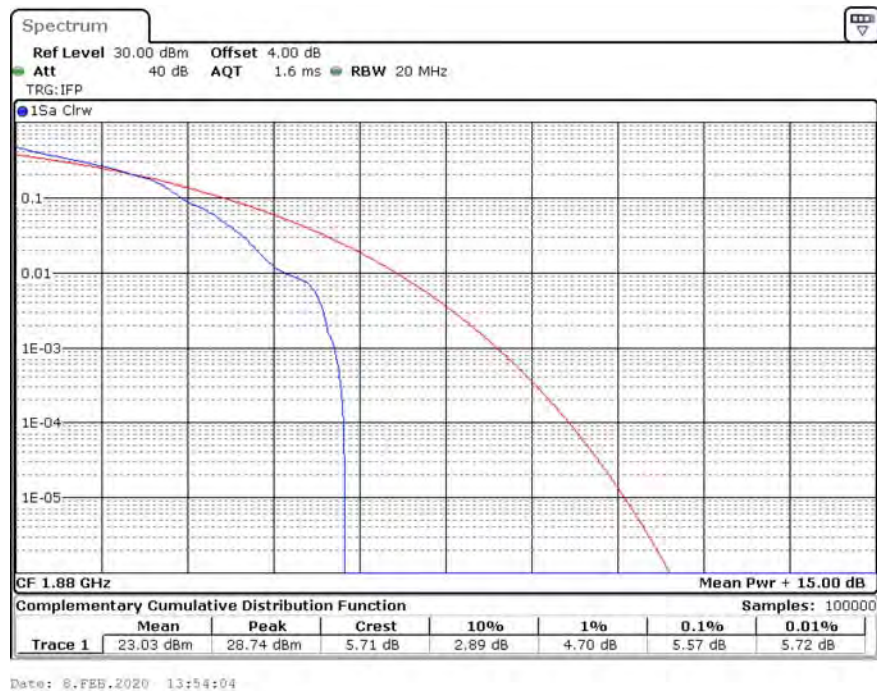
B2_CH19175_5M_1RB5_QPSK_Ratio



B2_CH18625_5M_1RB0_16-QAM_Ratio



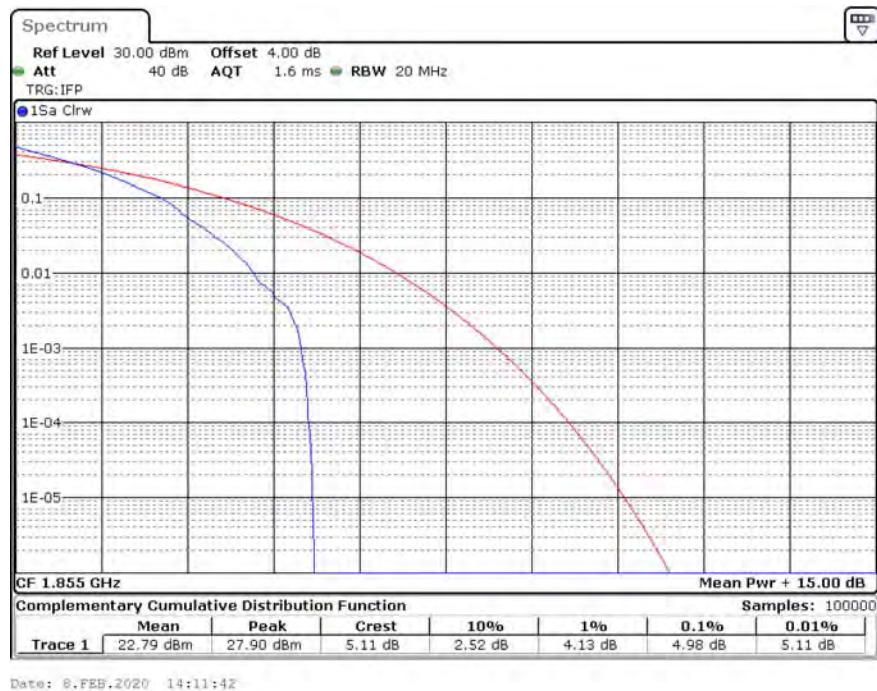
B2_CH18900_5M_1RB0_16-QAM_Ratio



B2_CH19175_5M_1RB5_16-QAM_Ratio



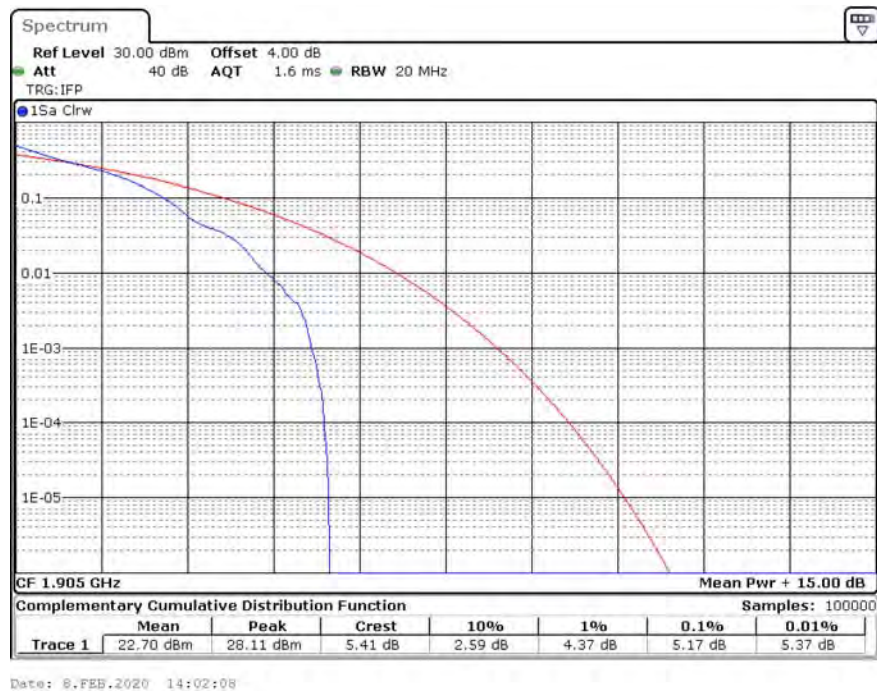
B2_CH18650_10M_1RB0_QPSK_Ratio



_B2_CH18900_10M_1RB0_QPSK_Ratio



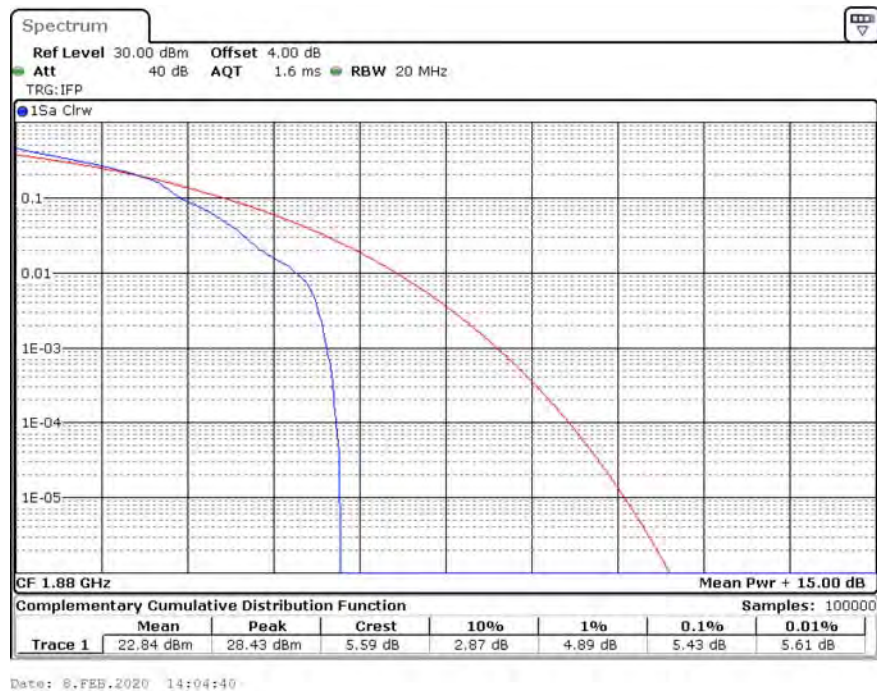
B2_CH19150_10M_1RB5_QPSK_Ratio



B2_CH18650_10M_1RB0_16-QAM_Ratio



B2_CH18900_10M_1RB0_16-QAM_Ratio



B2_CH19150_10M_1RB5_16-QAM_Ratio



B2_CH18675_15M_1RB0_QPSK_Ratio



_B2_CH18900_15M_1RB0_QPSK_Ratio



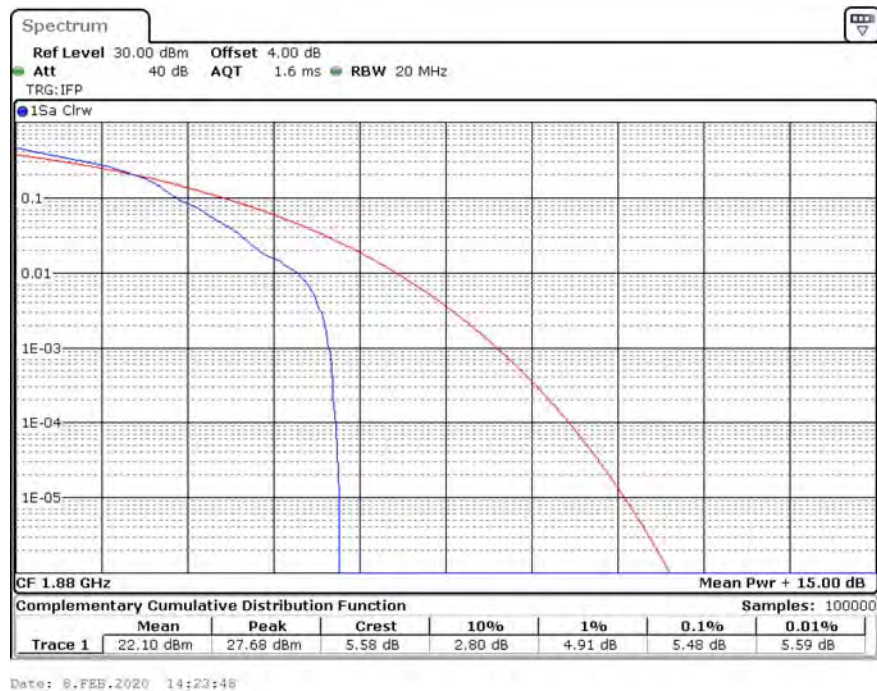
B2_CH19125_15M_1RB5_QPSK_Ratio



B2_CH18675_15M_1RB0_16-QAM_Ratio



B2_CH18900_15M_1RB0_16-QAM_Ratio



B2_CH19125_15M_1RB5_16-QAM_Ratio



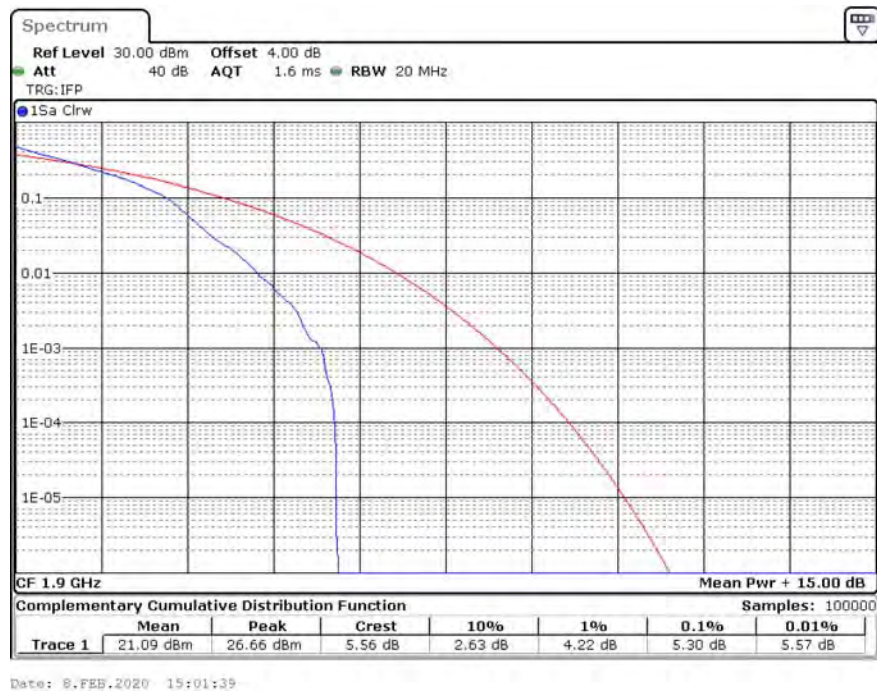
B2_CH18700_20M_1RB0_QPSK_Ratio



_B2_CH18900_20M_1RB0_QPSK_Ratio



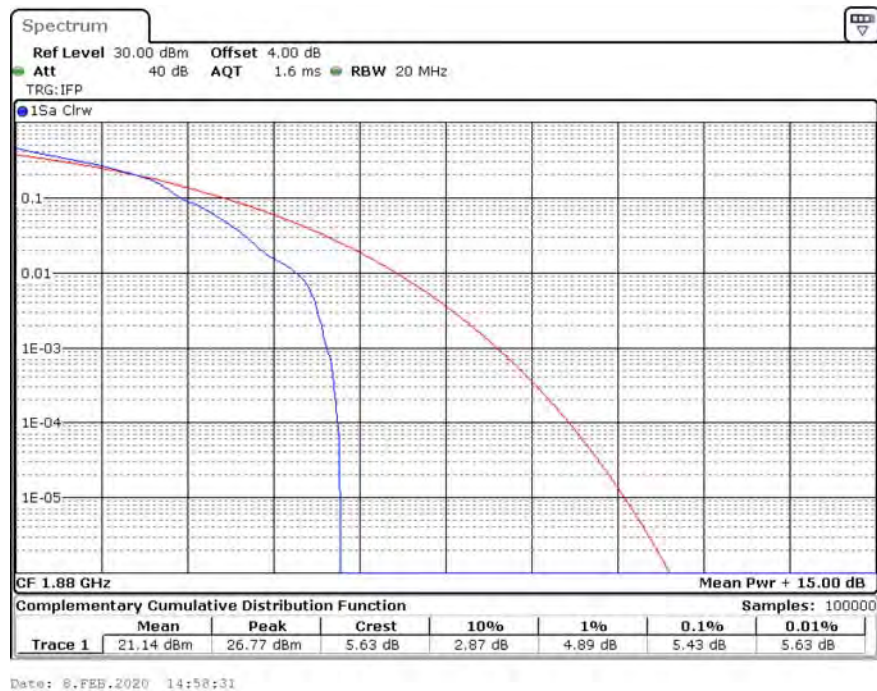
B2_CH19100_20M_1RB5_QPSK_Ratio



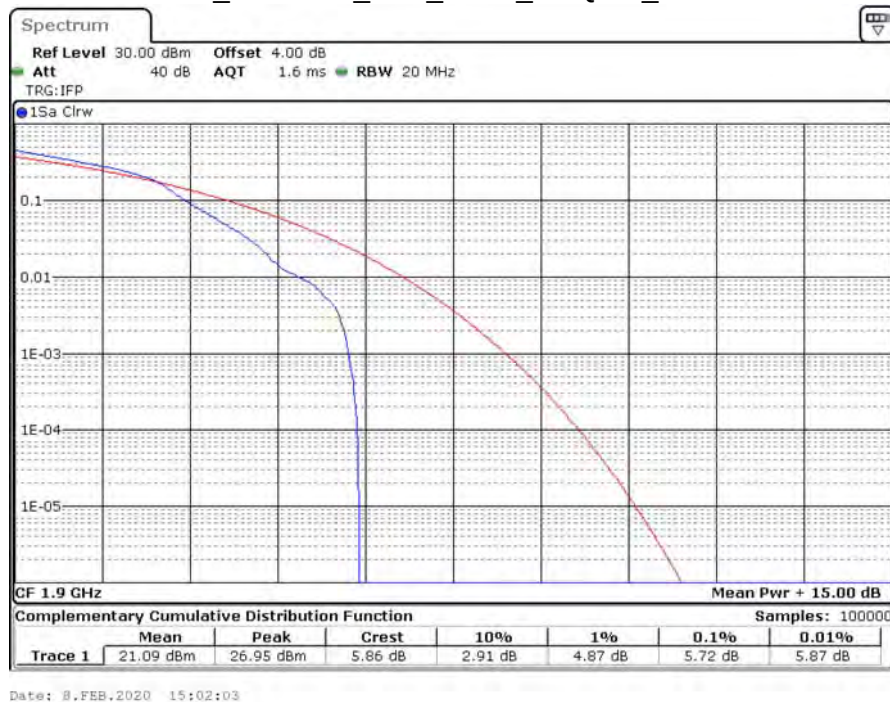
B2_CH18700_20M_1RB0_16-QAM_Ratio



B2_CH18900_20M_1RB0_16-QAM_Ratio



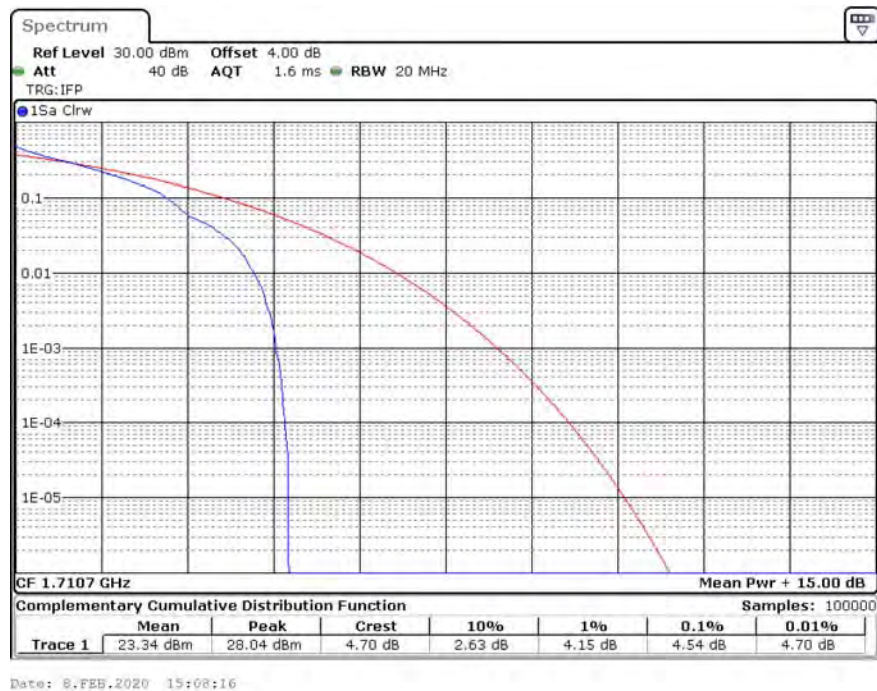
B2_CH19100_20M_1RB5_16-QAM_Ratio



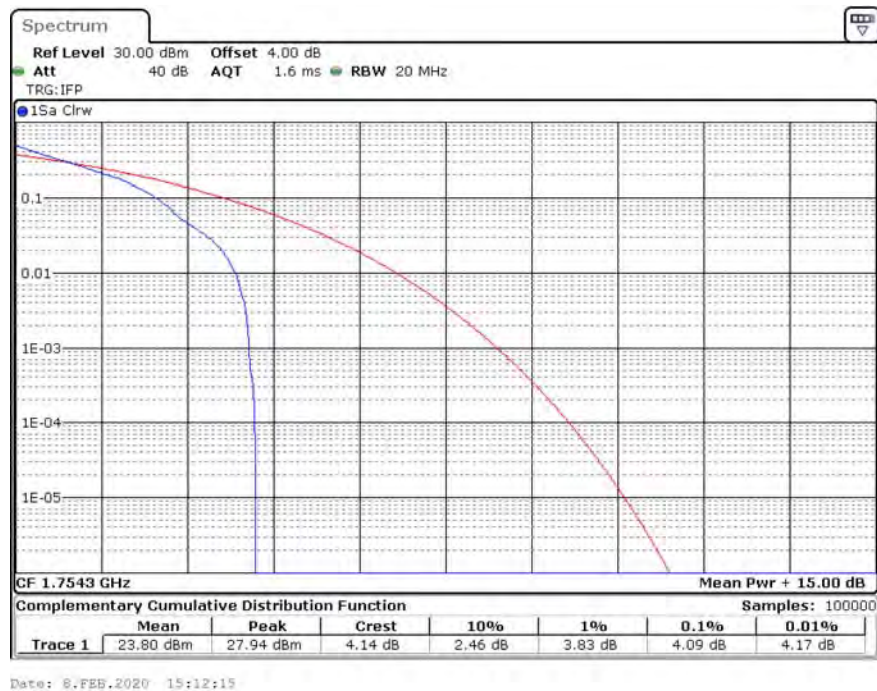
Product	Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 2 : LTE Cat-M1_Band 4		
Date of Test	2020/02/08	Test Site	SR12-H
Temperature (°C)	19.0	Humidity (%RH)	58.0

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	19957	1710.7	QPSK	28.04	23.34	4.54
			16-QAM	27.28	21.90	5.22
	20175	1732.5	QPSK	28.15	23.31	4.67
			16-QAM	27.20	21.84	5.22
	20393	1754.3	QPSK	27.94	23.80	4.09
			16-QAM	28.20	22.38	5.63
3M	19965	1711.5	QPSK	27.94	23.53	4.30
			16-QAM	28.41	22.30	5.93
	20175	1732.5	QPSK	28.08	23.26	4.63
			16-QAM	28.05	22.18	5.76
	20385	1753.5	QPSK	28.02	23.21	4.61
			16-QAM	27.31	22.02	5.11
5M	19975	1712.5	QPSK	28.21	23.23	4.78
			16-QAM	28.52	23.09	5.30
	20175	1732.5	QPSK	28.07	23.17	4.74
			16-QAM	28.38	23.01	5.22
	20375	1752.5	QPSK	28.09	23.22	4.67
			16-QAM	28.29	22.97	5.20
10M	20000	1715	QPSK	28.05	22.98	4.87
			16-QAM	28.32	22.94	5.28
	20175	1732.5	QPSK	27.78	22.87	4.72
			16-QAM	28.09	22.78	5.15
	20350	1750	QPSK	27.65	22.80	4.67
			16-QAM	27.90	22.53	5.24

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	20025	1717.5	QPSK	27.09	22.17	4.74
			16-QAM	27.43	22.01	5.28
	20175	1732.5	QPSK	27.02	22.07	4.76
			16-QAM	27.36	22.03	5.22
	20325	1747.5	QPSK	26.87	21.97	4.70
			16-QAM	27.13	21.80	5.17
20M	20050	1720	QPSK	26.23	21.38	4.72
			16-QAM	26.51	21.53	4.83
	20175	1732.5	QPSK	26.11	21.12	4.74
			16-QAM	26.41	21.05	5.20
	20300	1745	QPSK	26.18	21.19	4.80
			16-QAM	26.42	21.20	5.11

B4_CH19957_1.4M_1RB0_QPSK_RatioB4_CH20175_1.4M_1RB0_QPSK_Ratio

B4_CH20393_1.4M_1RB5_QPSK_Ratio



B4_CH19957_1.4M_1RB0_16-QAM_Ratio



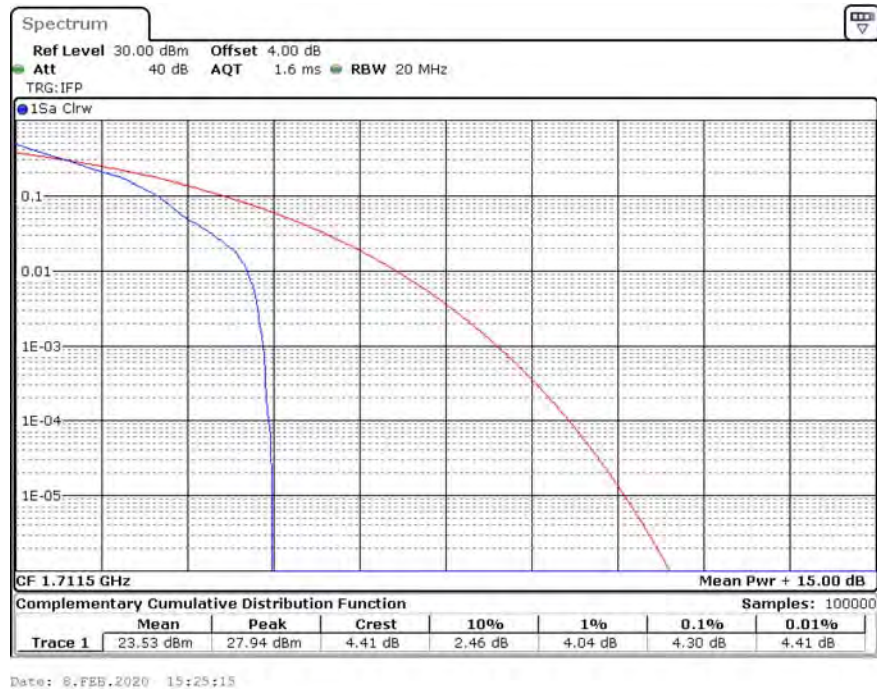
B4_CH20175_1.4M_1RB0_16-QAM_Ratio



B4_CH20393_1.4M_1RB5_16-QAM_Ratio



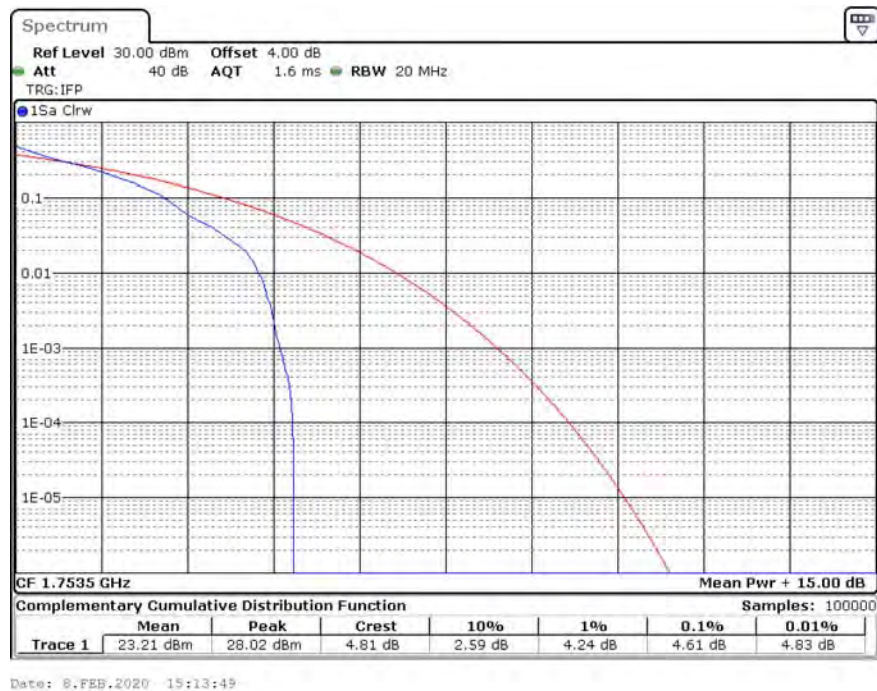
B4_CH19965_3M_1RB0_QPSK_Ratio



_B4_CH20175_3M_1RB0_QPSK_Ratio



B4_CH20385_3M_1RB5_QPSK_Ratio



B4_CH19965_3M_1RB0_16-QAM_Ratio



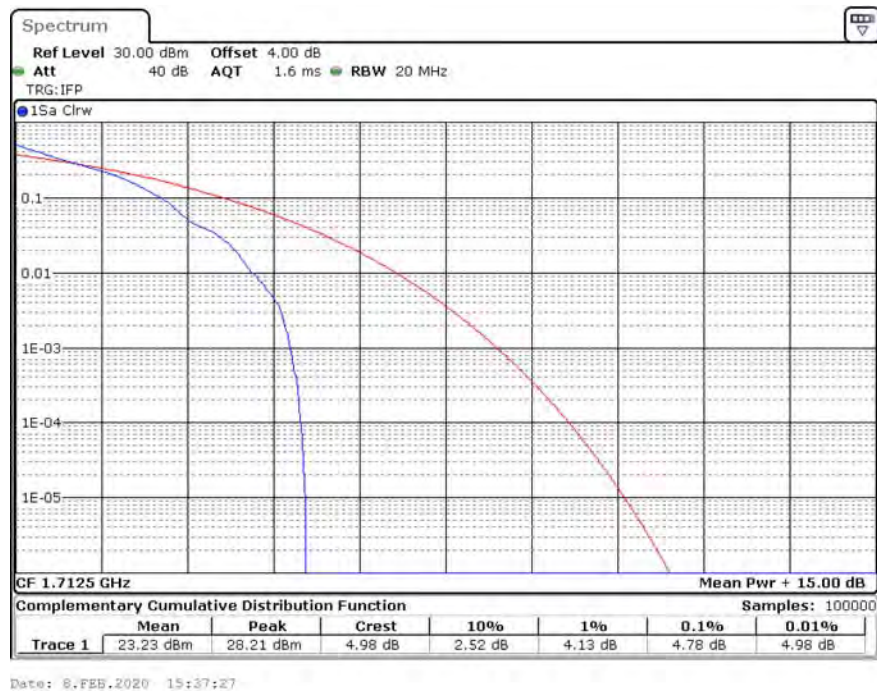
B4_CH20175_3M_1RB0_16-QAM_Ratio



B4_CH20385_3M_1RB5_16-QAM_Ratio



B4_CH19975_5M_1RB0_QPSK_Ratio



_B4_CH20175_5M_1RB0_QPSK_Ratio



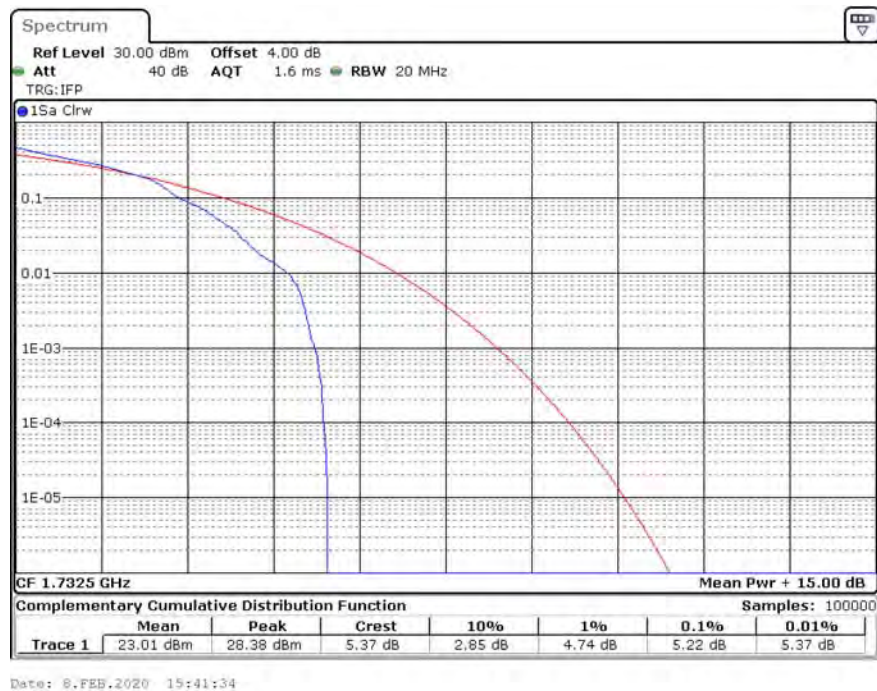
B4_CH20375_5M_1RB5_QPSK_Ratio



B4_CH19975_5M_1RB0_16-QAM_Ratio



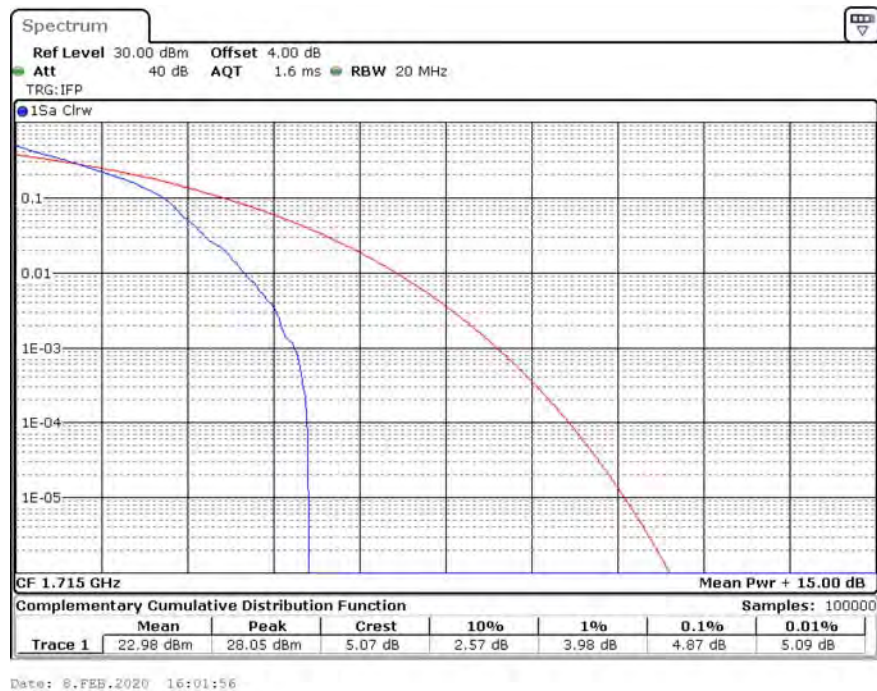
B4_CH20175_5M_1RB0_16-QAM_Ratio



B4_CH20375_5M_1RB5_16-QAM_Ratio



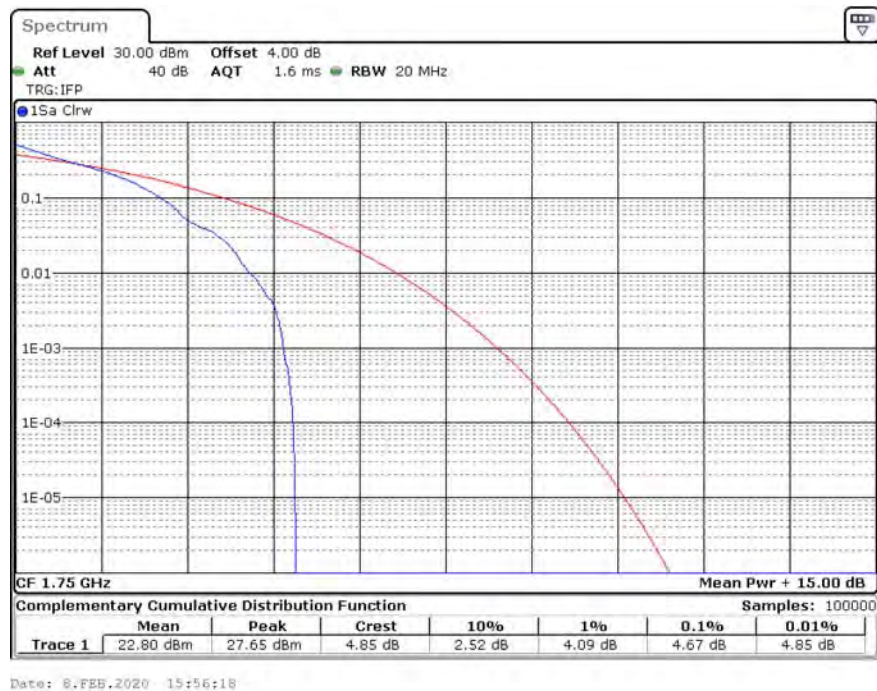
B4_CH20000_10M_1RB0_QPSK_Ratio



_B4_CH20175_10M_1RB0_QPSK_Ratio



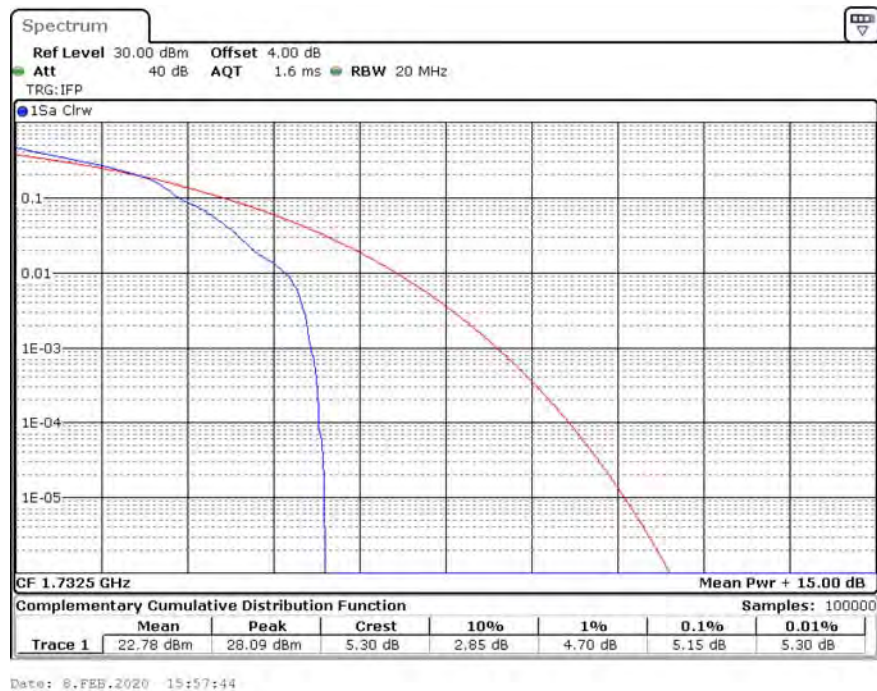
B4_CH20350_10M_1RB5_QPSK_Ratio



B4_CH20000_10M_1RB0_16-QAM_Ratio



B4_CH20175_10M_1RB0_16-QAM_Ratio



B4_CH20350_10M_1RB5_16-QAM_Ratio



B4_CH20025_15M_1RB0_QPSK_Ratio



_B4_CH20175_15M_1RB0_QPSK_Ratio



B4_CH20325_15M_1RB5_QPSK_Ratio



B4_CH20025_15M_1RB0_16-QAM_Ratio



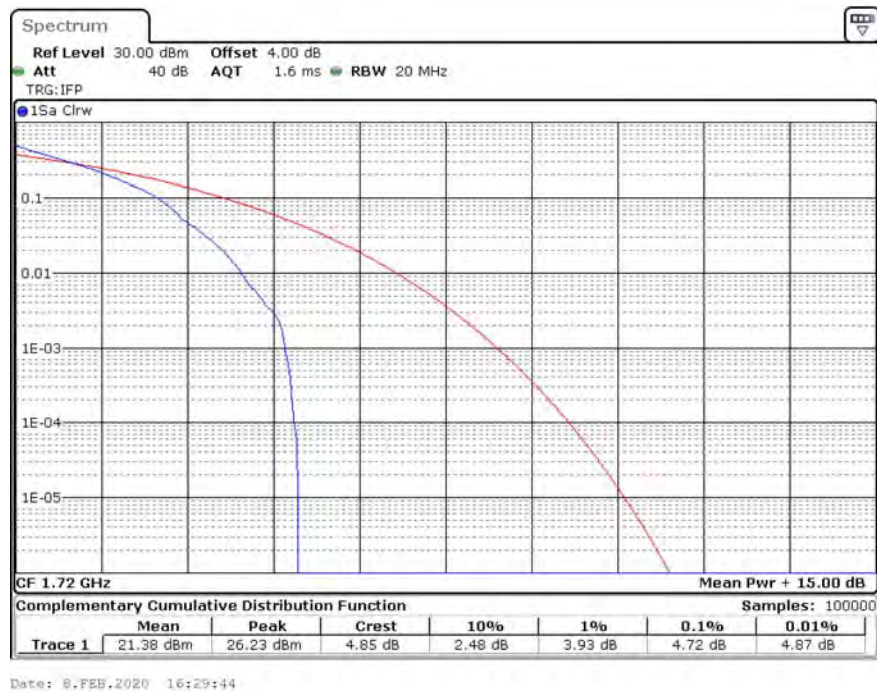
B4_CH20175_15M_1RB0_16-QAM_Ratio



B4_CH20325_15M_1RB5_16-QAM_Ratio



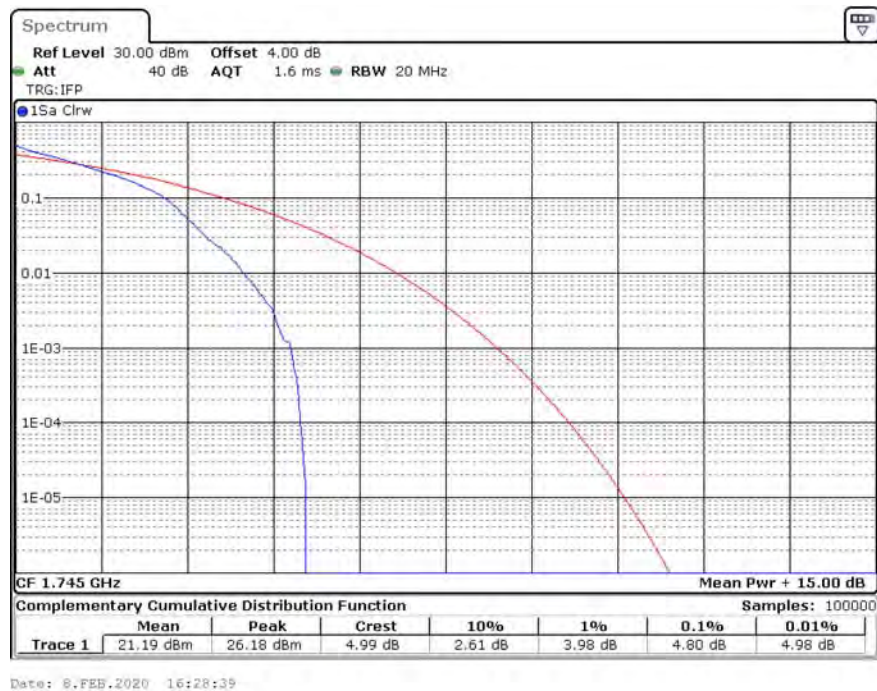
B4_CH20050_20M_1RB0_QPSK_Ratio



_B4_CH20175_20M_1RB0_QPSK_Ratio



B4_CH20300_20M_1RB5_QPSK_Ratio



B4_CH20050_20M_1RB0_16-QAM_Ratio



B4_CH20175_20M_1RB0_16-QAM_Ratio



B4_CH20300_20M_1RB5_16-QAM_Ratio



Product	Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 3 : LTE Cat-M1_Band 5		
Date of Test	2020/02/08	Test Site	SR12-H
Temperature (°C)	19.0	Humidity (%RH)	58.0

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	20407	824.7	QPSK	28.88	23.62	5.09
			16-QAM	29.82	22.51	7.00
	20525	836.5	QPSK	29.28	23.37	5.59
			16-QAM	27.71	21.79	5.78
	20643	848.3	QPSK	29.98	23.44	6.28
			16-QAM	29.56	22.65	6.41
3M	20415	825.5	QPSK	30.06	23.44	6.37
			16-QAM	29.53	22.50	6.63
	20525	836.5	QPSK	29.30	23.46	5.54
			16-QAM	28.11	22.15	5.80
	20635	847.5	QPSK	29.26	23.37	5.50
			16-QAM	28.10	22.20	5.78
5M	20425	826.5	QPSK	29.57	23.50	5.78
			16-QAM	30.29	23.55	6.54
	20525	836.5	QPSK	29.53	23.49	5.72
			16-QAM	30.25	23.43	6.59
	20625	846.5	QPSK	29.02	23.51	5.13
			16-QAM	30.41	23.46	6.74
10M	20450	829	QPSK	25.87	19.42	6.15
			16-QAM	26.53	19.57	6.76
	20525	836.5	QPSK	29.19	23.08	5.76
			16-QAM	29.89	23.08	6.59
	20600	844	QPSK	29.14	23.03	5.80
			16-QAM	29.90	23.02	6.59

B5_CH20407_1.4M_1RB0_QPSK_Ratio



_B5_CH20525_1.4M_1RB0_QPSK_Ratio



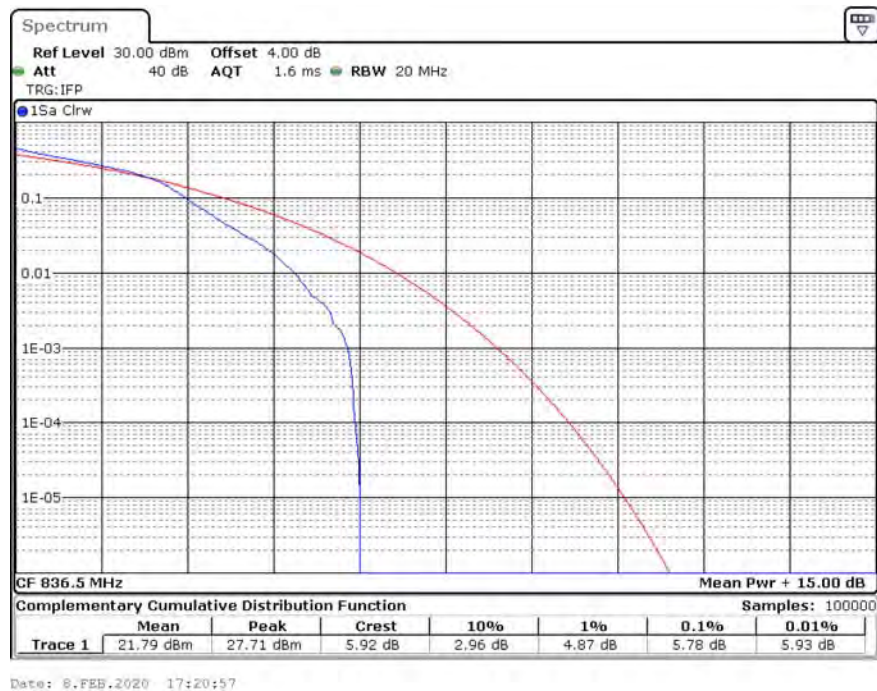
B5_CH20643_1.4M_1RB5_QPSK_Ratio



B5_CH20407_1.4M_1RB0_16-QAM_Ratio



B5_CH20525_1.4M_1RB0_16-QAM_Ratio



B5_CH20643_1.4M_1RB5_16-QAM_Ratio



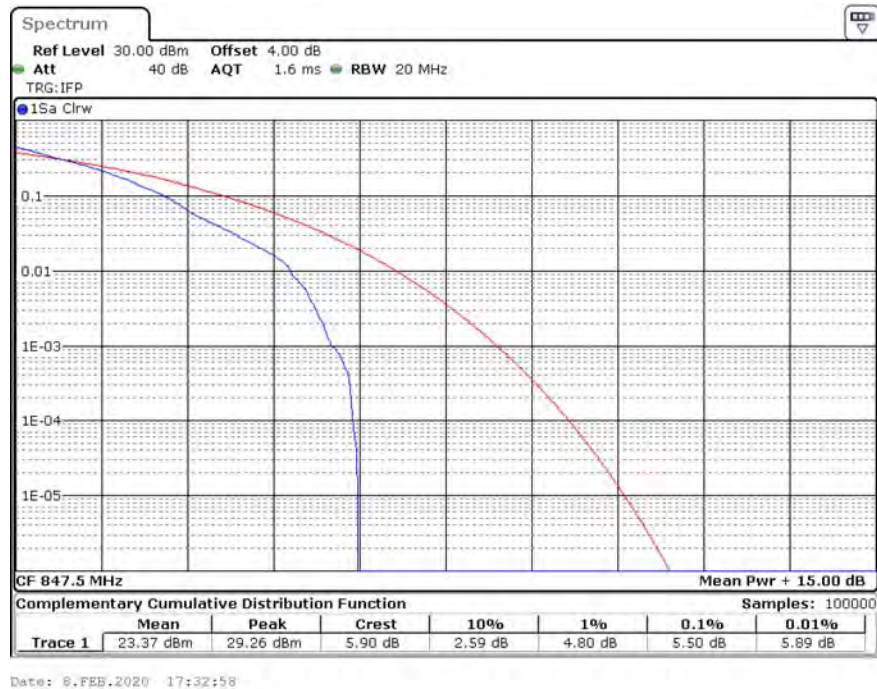
B5_CH20415_3M_1RB0_QPSK_Ratio



_B5_CH20525_3M_1RB0_QPSK_Ratio



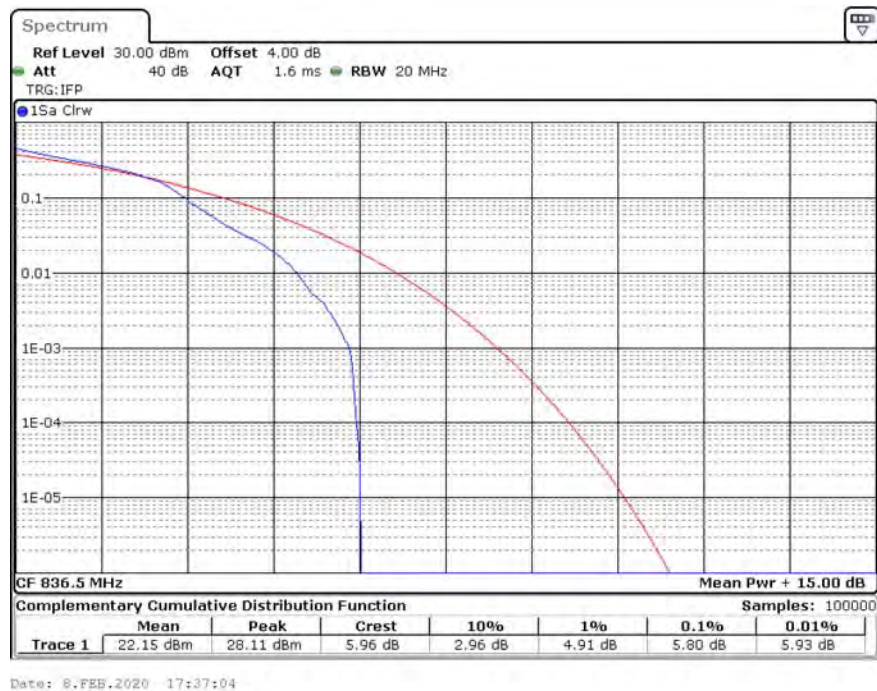
B5_CH20635_3M_1RB5_QPSK_Ratio



B5_CH20415_3M_1RB0_16-QAM_Ratio



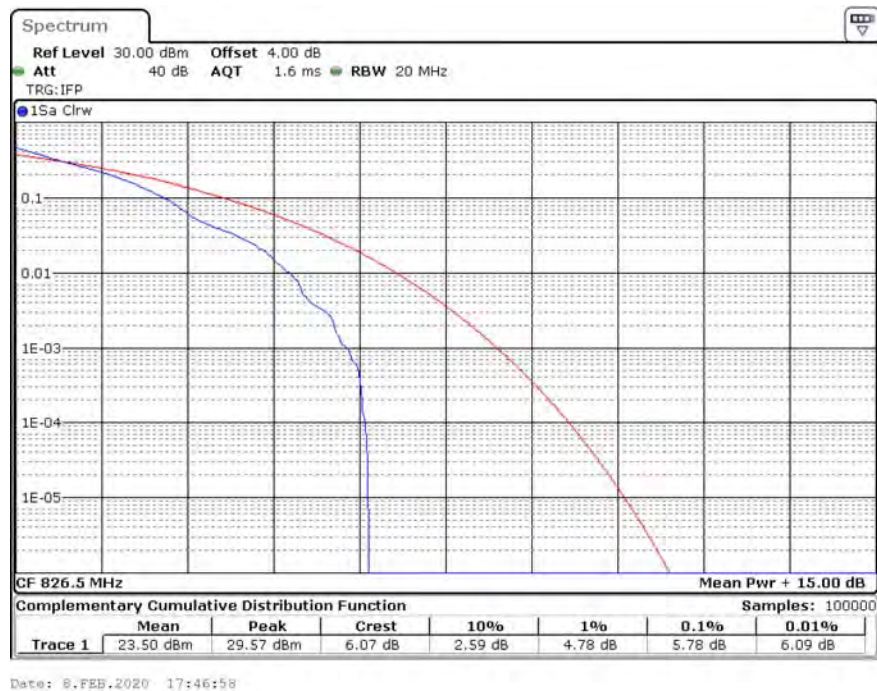
B5_CH20525_3M_1RB0_16-QAM_Ratio



B5_CH20635_3M_1RB5_16-QAM_Ratio



B5_CH20425_5M_1RB0_QPSK_Ratio



_B5_CH20525_5M_1RB0_QPSK_Ratio



B5_CH20625_5M_1RB5_QPSK_Ratio



B5_CH20425_5M_1RB0_16-QAM_Ratio



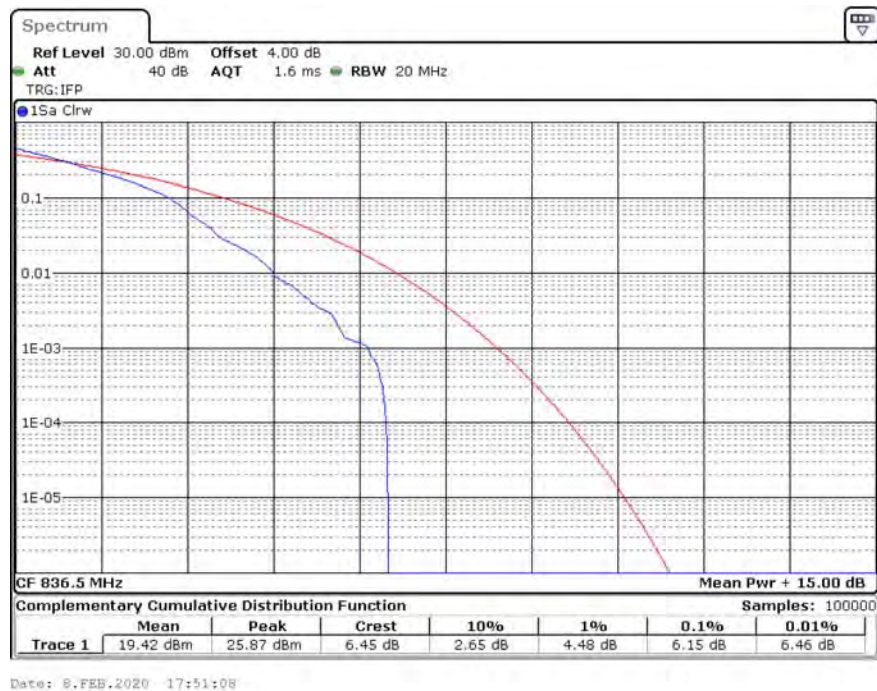
B5_CH20525_5M_1RB0_16-QAM_Ratio



B5_CH20625_5M_1RB5_16-QAM_Ratio



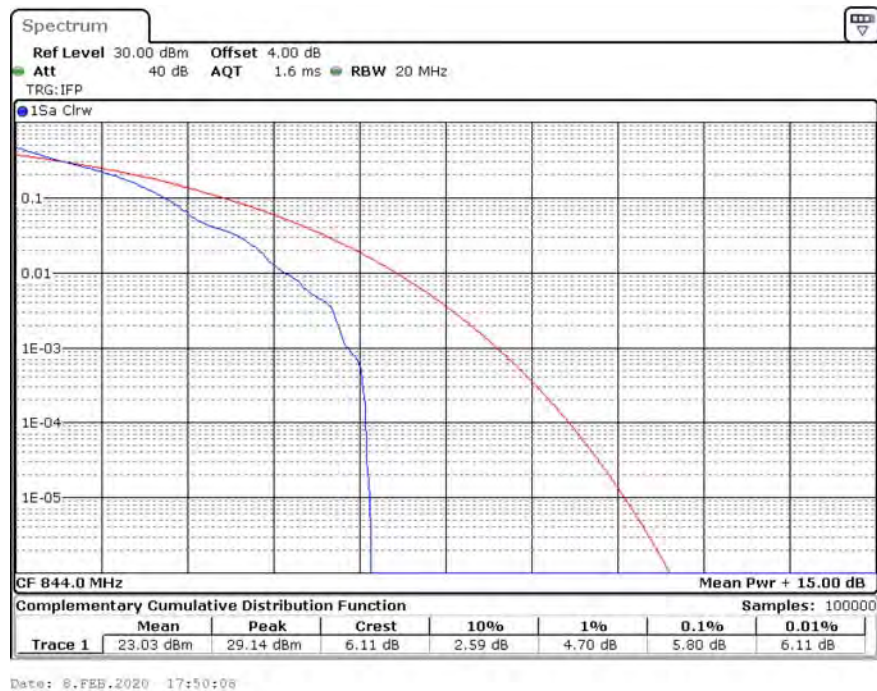
B5_CH20450_10M_1RB0_QPSK_Ratio



_B5_CH20525_10M_1RB0_QPSK_Ratio



B5_CH20600_10M_1RB5_QPSK_Ratio



B5_CH20450_10M_1RB0_16-QAM_Ratio



B5_CH20525_10M_1RB0_16-QAM_Ratio



B5_CH20600_10M_1RB5_16-QAM_Ratio



Product	Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 4 : LTE Cat-M1_Band 12		
Date of Test	2020/02/10	Test Site	SR12-H
Temperature (°C)	18.0	Humidity (%RH)	55.0

Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	23017	699.7	QPSK	28.94	23.05	5.59
			16-QAM	27.62	21.60	5.87
	23097	707.5	QPSK	28.50	23.24	5.15
			16-QAM	29.53	22.01	7.20
	23173	715.3	QPSK	29.14	23.09	5.70
			16-QAM	27.64	21.55	5.96
3M	23025	700.5	QPSK	28.97	23.10	5.54
			16-QAM	27.81	21.79	5.85
	23095	707.5	QPSK	28.98	23.01	5.63
			16-QAM	27.79	21.77	5.89
	23165	714.5	QPSK	28.40	23.14	5.17
			16-QAM	29.58	21.98	7.24
5M	23035	701.5	QPSK	29.60	23.09	6.20
			16-QAM	30.10	23.21	6.72
	23095	707.5	QPSK	29.12	22.91	5.91
			16-QAM	30.01	22.98	6.78
	23155	713.5	QPSK	29.28	22.95	5.89
			16-QAM	30.06	22.92	6.85
10M	23060	704	QPSK	28.73	22.67	5.76
			16-QAM	29.54	22.62	6.70
	23095	707.5	QPSK	28.82	22.71	5.83
			16-QAM	29.57	22.54	6.80
	23130	711	QPSK	28.50	22.70	5.39
			16-QAM	29.98	22.83	6.93

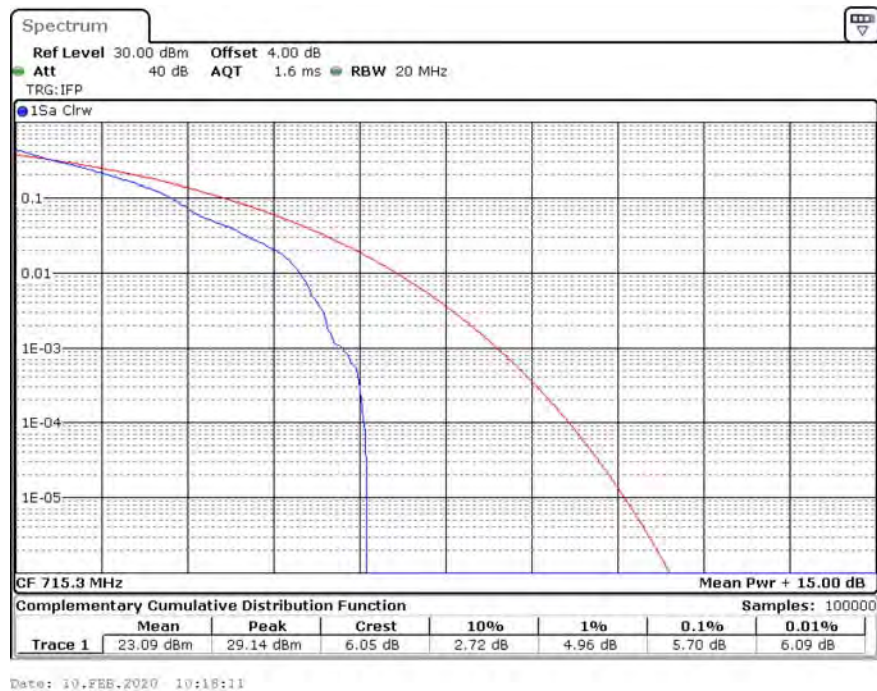
B12_CH23017_1.4M_1RB0_QPSK_Ratio



B12_CH23097_1.4M_1RB0_QPSK_Ratio



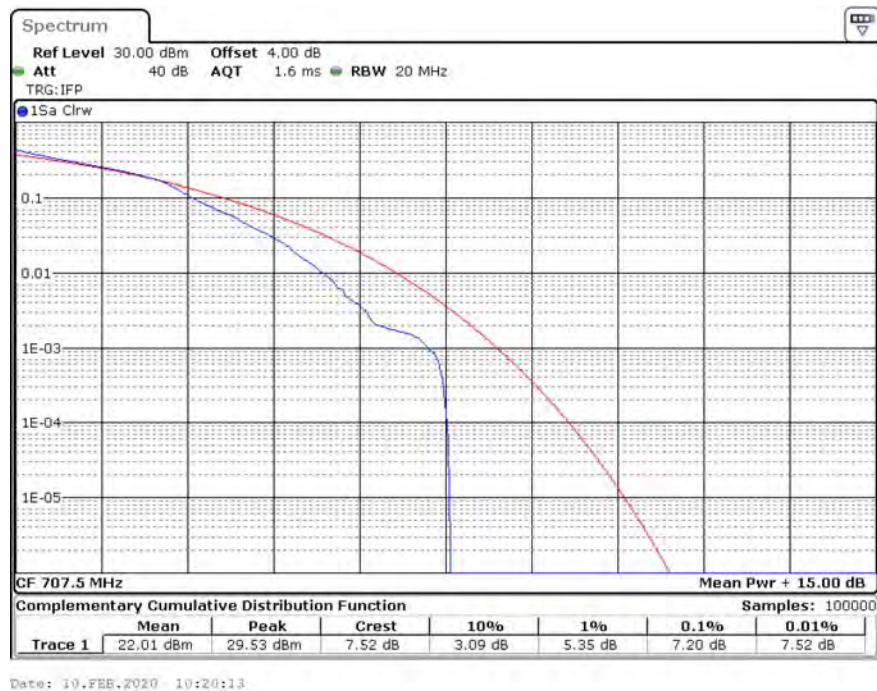
B12_CH23173_1.4M_1RB0_QPSK_Ratio



B12_CH23017_1.4M_1RB0_16-QAM_Ratio



B12_CH23097_1.4M_1RB0_16-QAM_Ratio



B12_CH23173_1.4M_1RB0_16-QAM_Ratio



_B12_CH23025_3M_1RB0_QPSK_Ratio_B12_CH23095_3M_1RB0_QPSK_Ratio

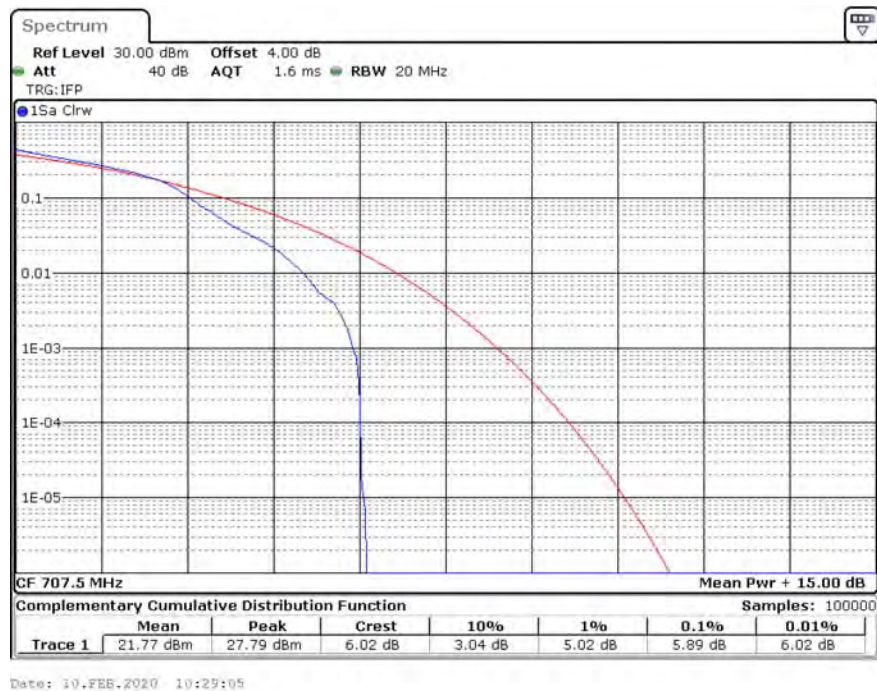
_B12_CH23165_3M_1RB5_QPSK_Ratio



B12_CH23025_3M_1RB0_16-QAM_Ratio



B12_CH23095_3M_1RB0_16-QAM_Ratio



B12_CH23165_3M_1RB5_16-QAM_Ratio



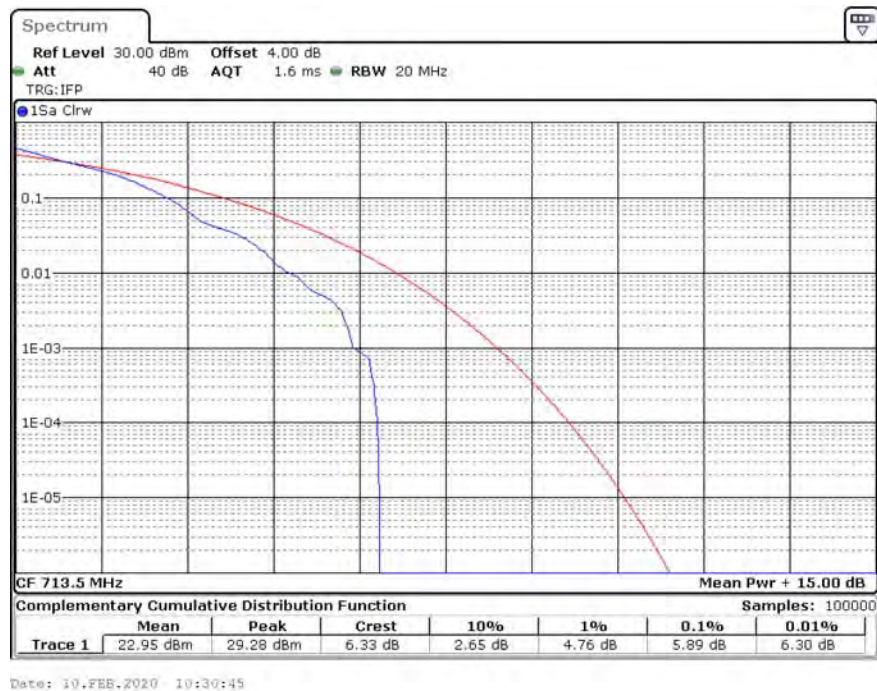
B12_CH23035_5M_1RB0_QPSK_Ratio



B12_CH23095_5M_1RB0_QPSK_Ratio



B12_CH23155_5M_1RB5_QPSK_Ratio



B12_CH23035_5M_1RB0_16-QAM_Ratio



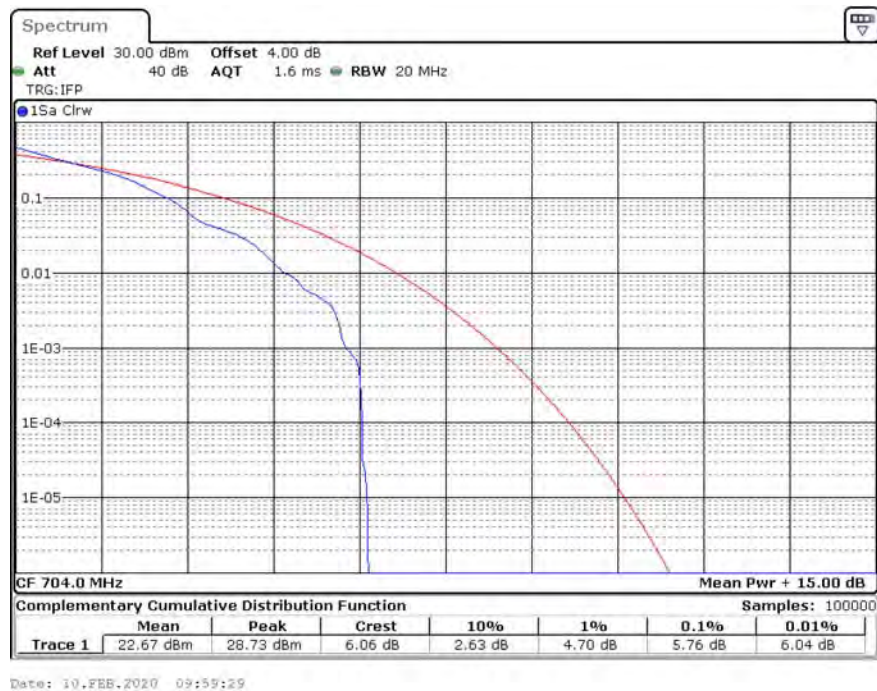
B12_CH23095_5M_1RB0_16-QAM_Ratio



B12_CH23155_5M_1RB5_16-QAM_Ratio



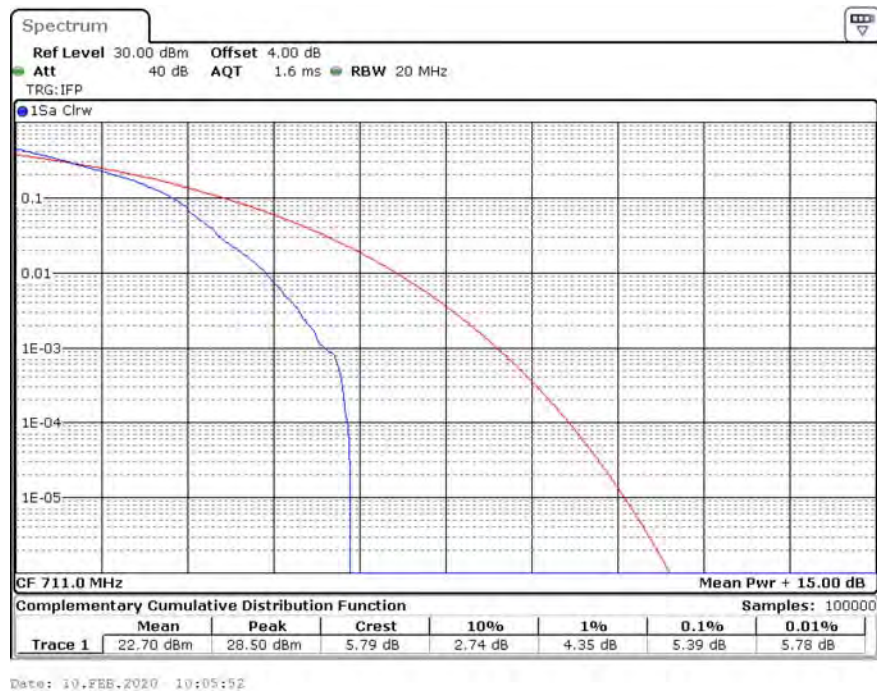
B12_CH23060_10M_1RB0_QPSK_Ratio



B12_CH23095_10M_1RB0_QPSK_Ratio



B12_CH23130_10M_1RB5_QPSK_Ratio



B12_CH23060_10M_1RB0_16-QAM_Ratio



B12_CH23095_10M_1RB0_16-QAM_Ratio



B12_CH23130_10M_1RB5_16-QAM_Ratio

