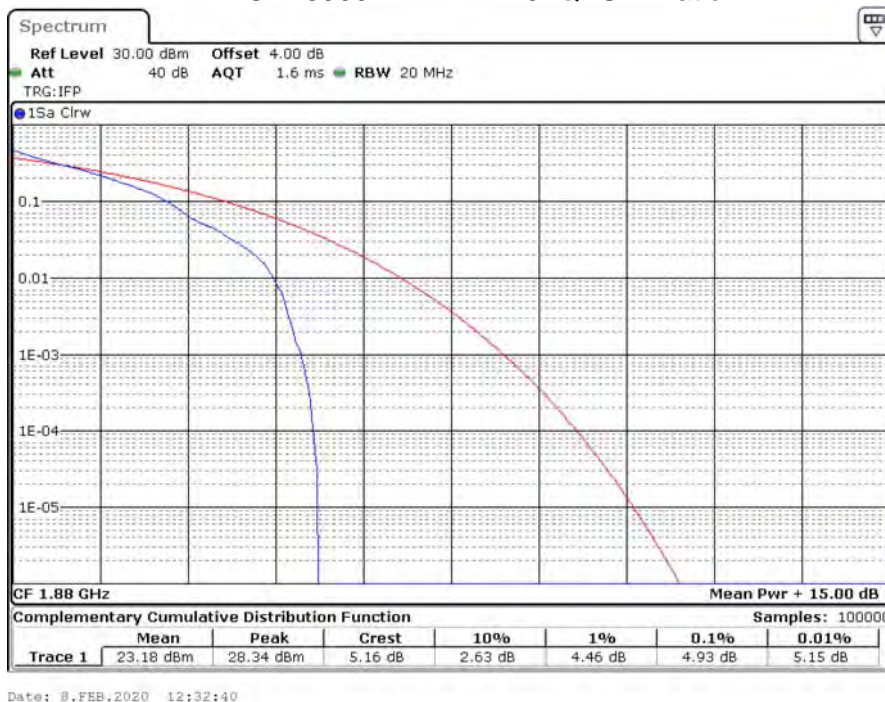


Band width (MHz)	Channel	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	18675	1857.5	QPSK	27.12	21.95	4.98
			16-QAM	27.49	22.05	5.33
	18900	1880	QPSK	27.37	22.09	5.07
			16-QAM	27.68	22.10	5.48
	19125	1902.5	QPSK	27.38	22.00	5.11
			16-QAM	28.08	22.53	5.50
20M	18700	1860	QPSK	26.25	21.07	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

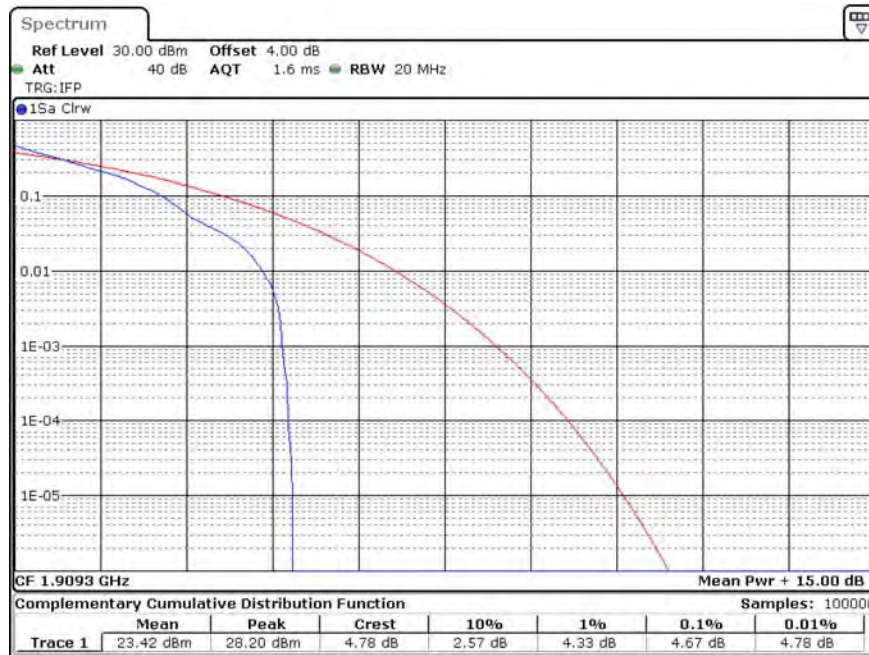
B2 CH18607 1.4M 1RB0 QPSK Ratio



B2 CH18900 1.4M 1RB0 QPSK Ratio



B2_CH19193_1.4M_1RB5_QPSK_Ratio



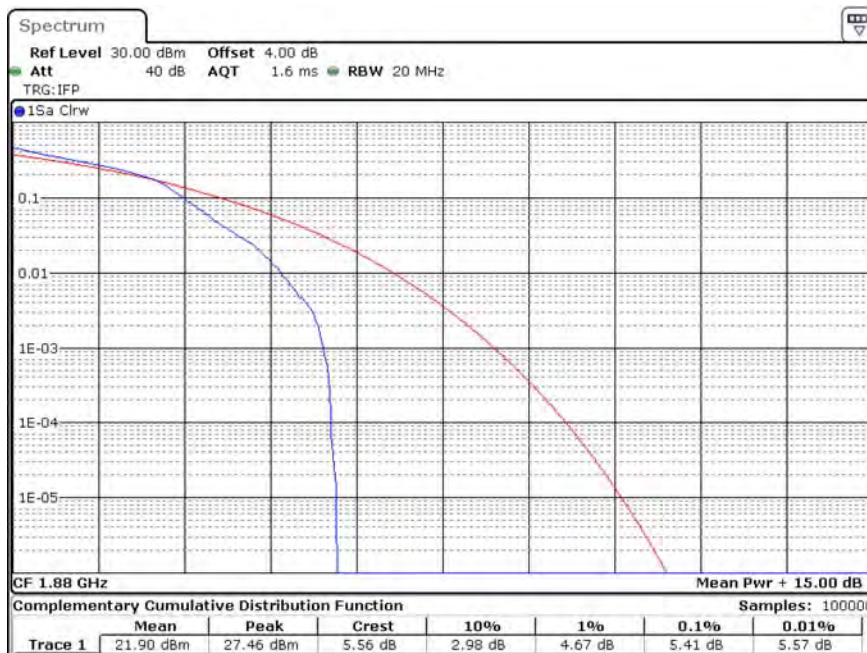
Date: 8.FEB.2020 12:43:23

B2_CH18607_1.4M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 12:34:05

B2_CH18900_1.4M_1RB0_16-QAM_Ratio



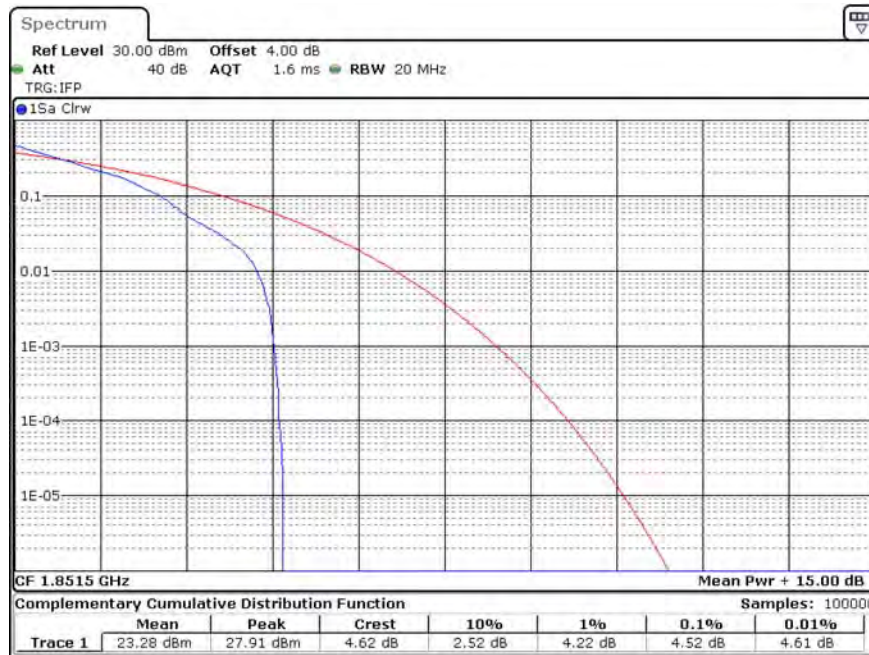
Date: 8.FEB.2020 12:33:37

B2_CH19193_1.4M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 12:43:36

B2_CH18615_3M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 13:45:15

B2_CH18900_3M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 13:16:42

B2_CH19185_3M_1RB0_QPSK_Ratio



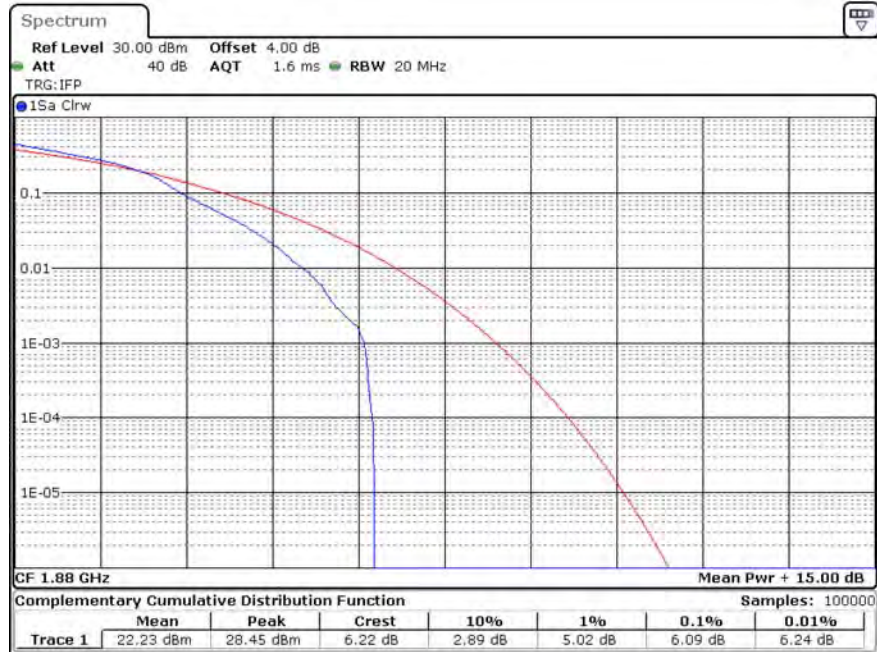
Date: 8.FEB.2020 13:05:37

B2_CH18615_3M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 13:45:31

B2_CH18900_3M_1RB0_16-QAM_Ratio



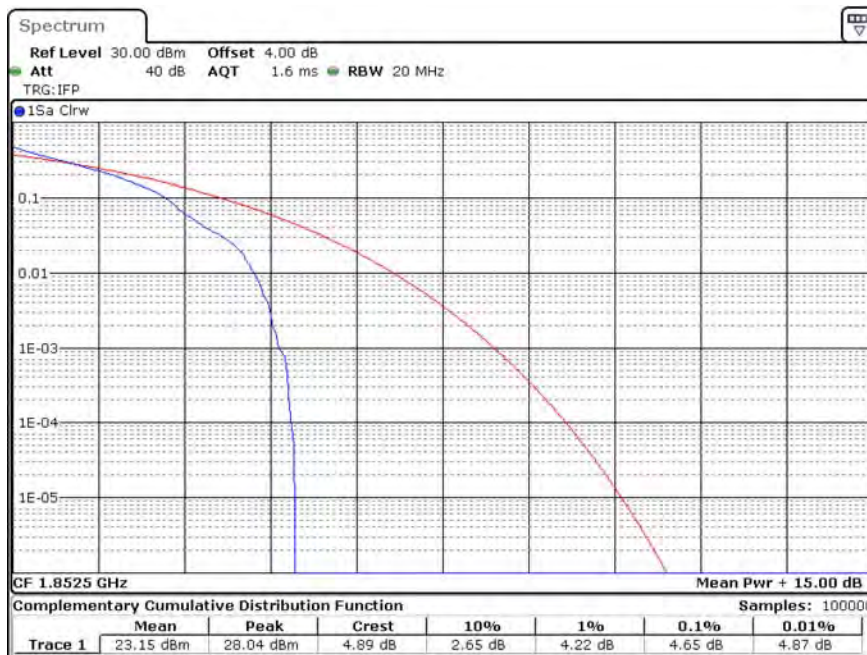
Date: 8.FEB.2020 13:16:15

B2_CH19185_3M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 13:06:31

B2_CH18625_5M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 13:47:39

B2_CH18900_5M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 13:56:38

B2_CH19175_5M_1RB5_QPSK_Ratio



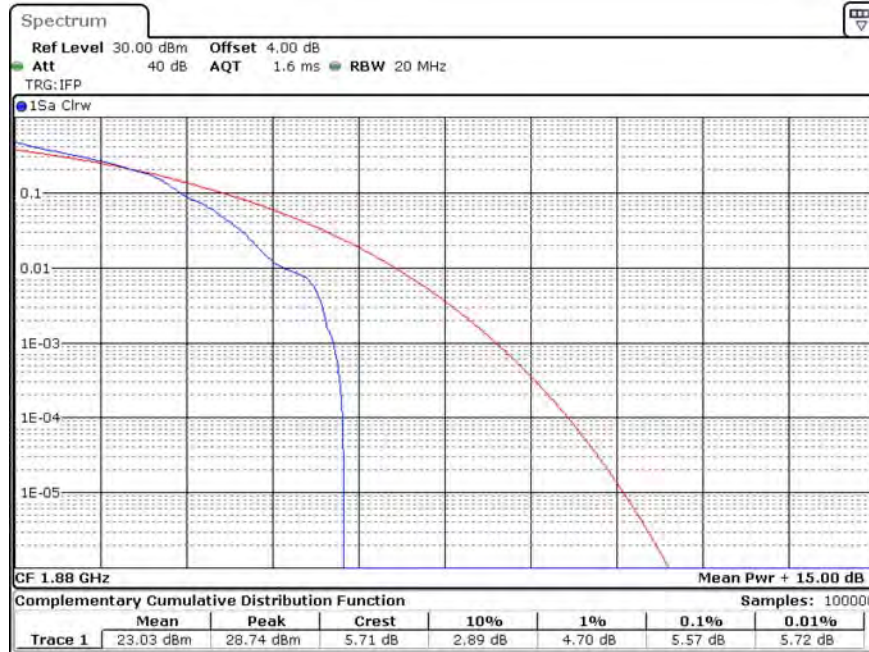
Date: 8.FEB.2020 13:58:22

B2_CH18625_5M_1RB0_16-QAM_Ratio



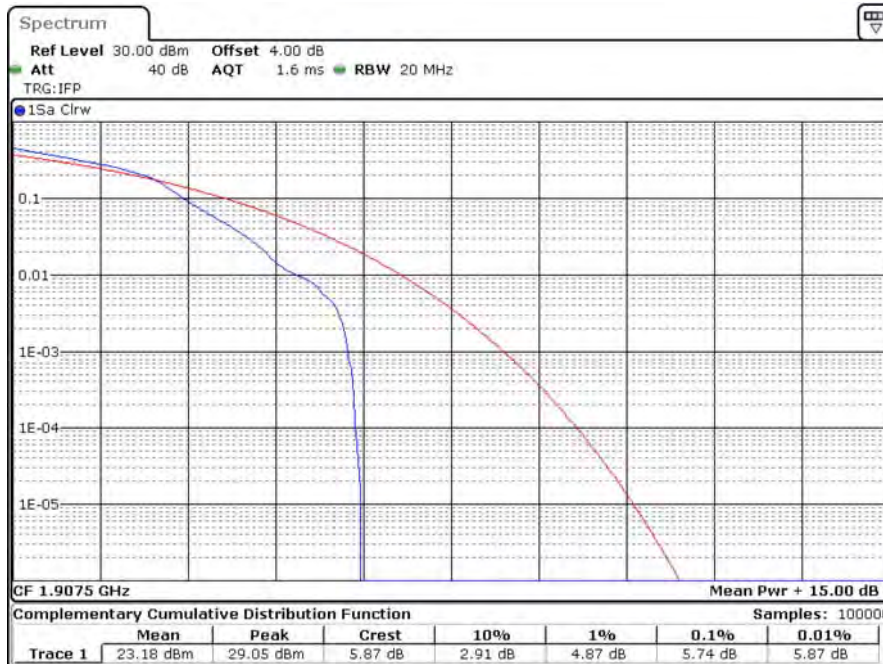
Date: 8.FEB.2020 13:47:54

B2_CH18900_5M_1RB0_16-QAM_Ratio



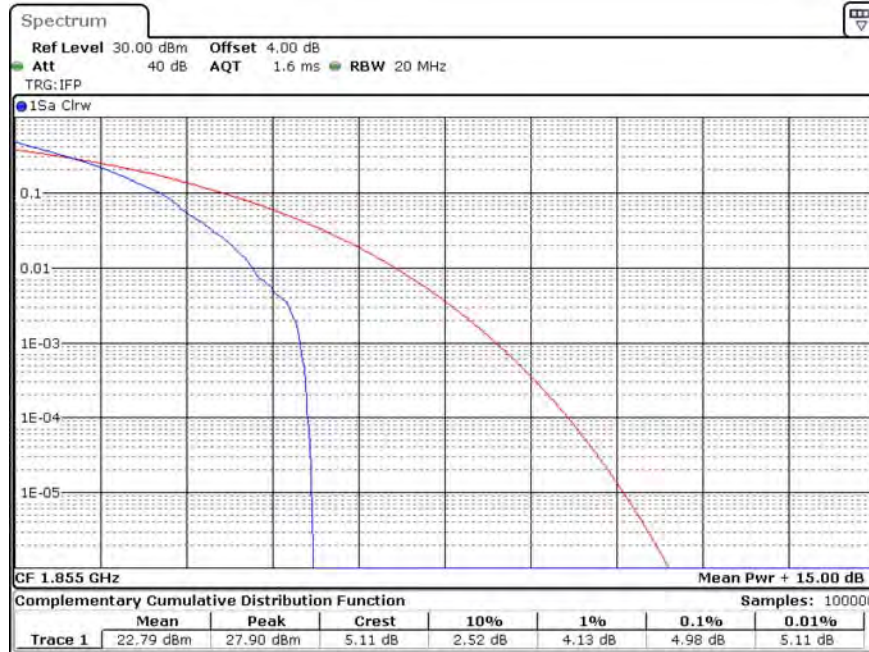
Date: 8.FEB.2020 13:54:04

B2_CH19175_5M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 13:58:51

B2_CH18650_10M_1RB0_QPSK_Ratio



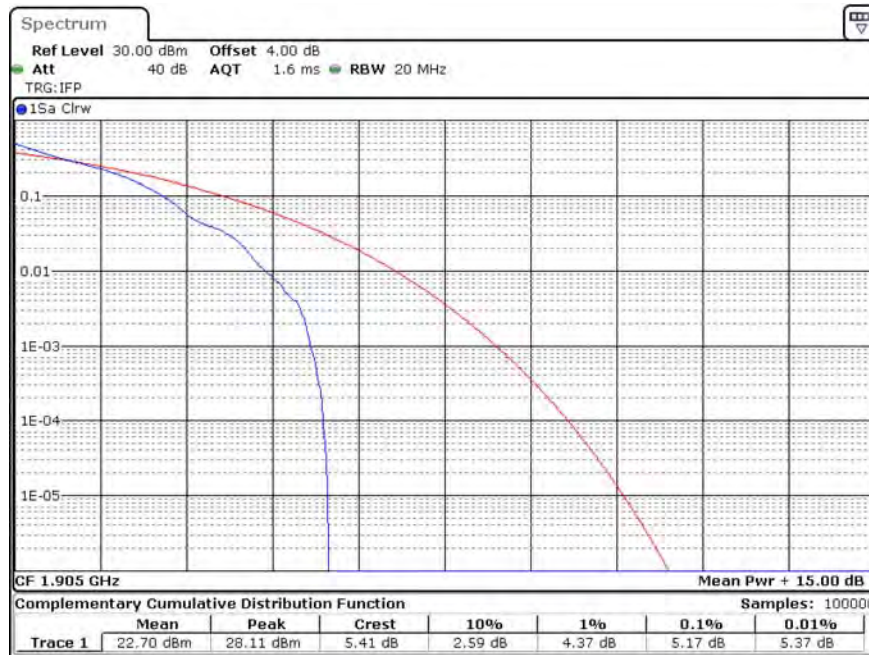
Date: 8.FEB.2020 14:11:42

_B2_CH18900_10M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 14:06:11

B2_CH19150_10M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 14:02:08

B2_CH18650_10M_1RB0_16-QAM_Ratio



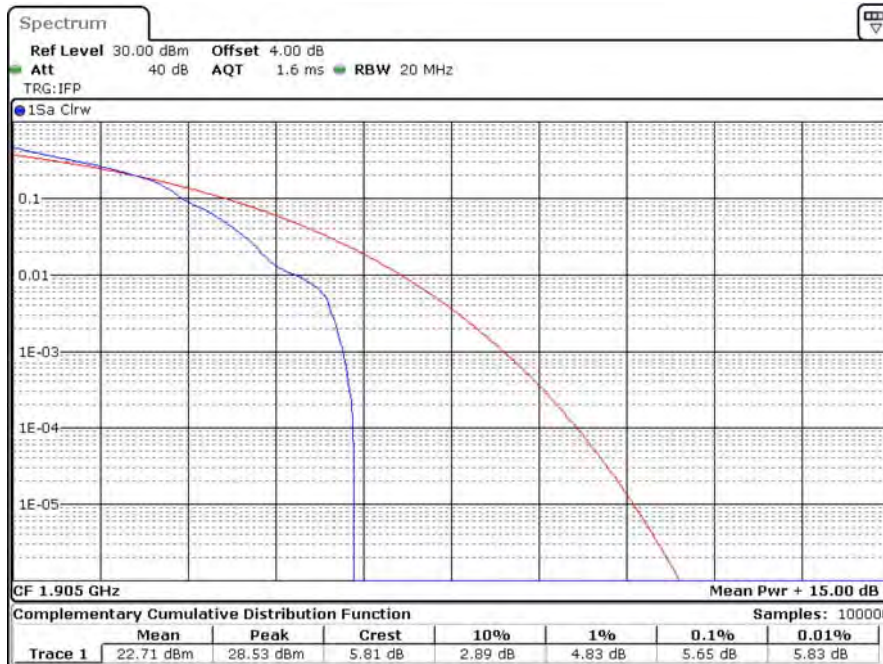
Date: 8.FEB.2020 14:11:26

B2_CH18900_10M_1RB0_16-QAM_Ratio



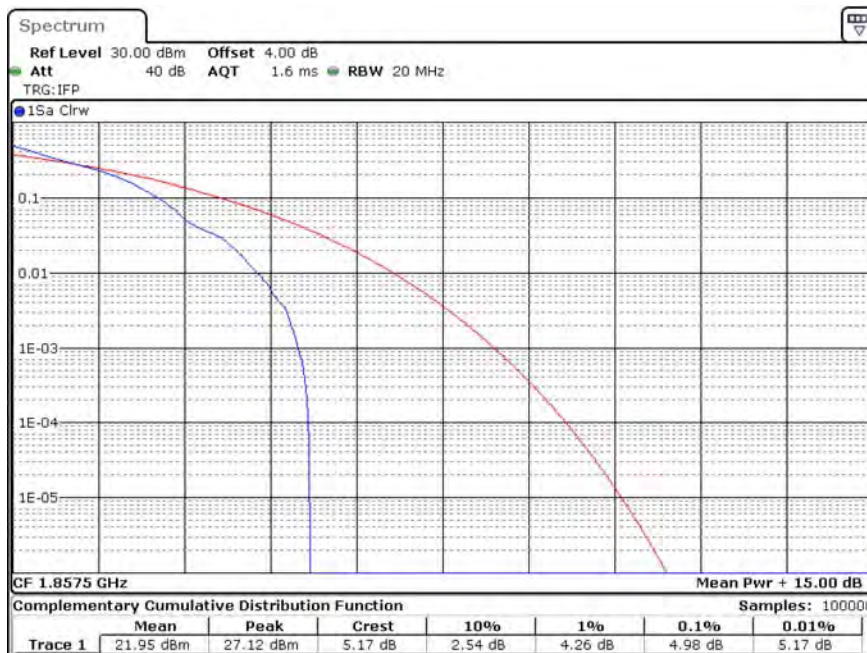
Date: 8.FEB.2020 14:04:40

B2_CH19150_10M_1RB5_16-QAM_Ratio



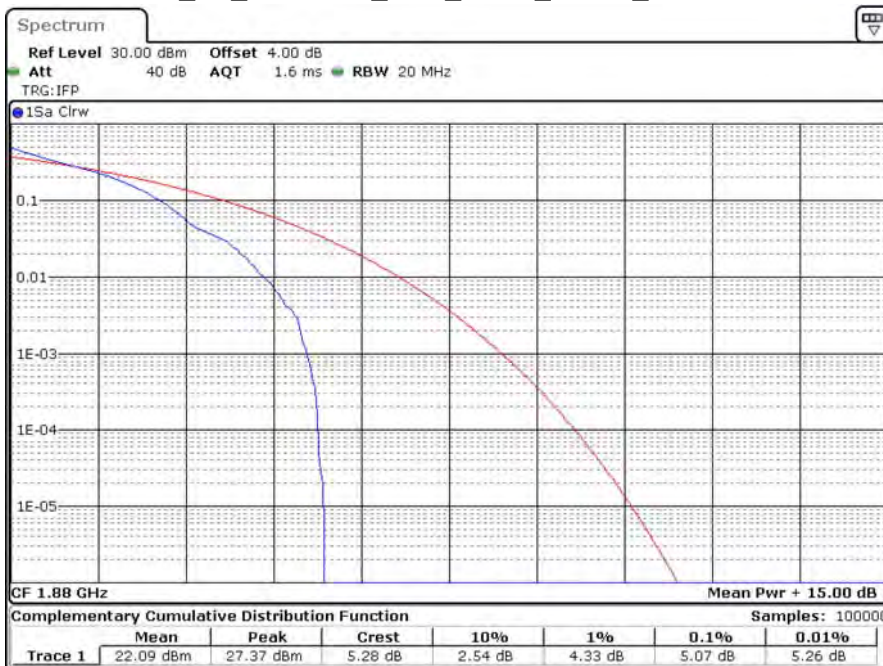
Date: 8.FEB.2020 14:02:26

B2_CH18675_15M_1RB0_QPSK_Ratio



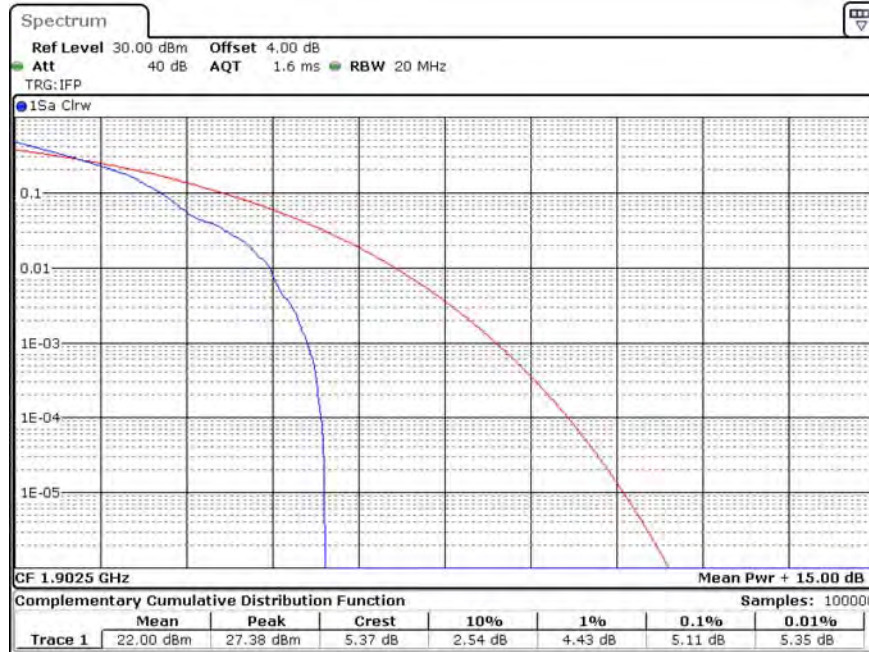
Date: 8.FEB.2020 14:17:38

_B2_CH18900_15M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 14:21:36

B2_CH19125_15M_1RB5_QPSK_Ratio



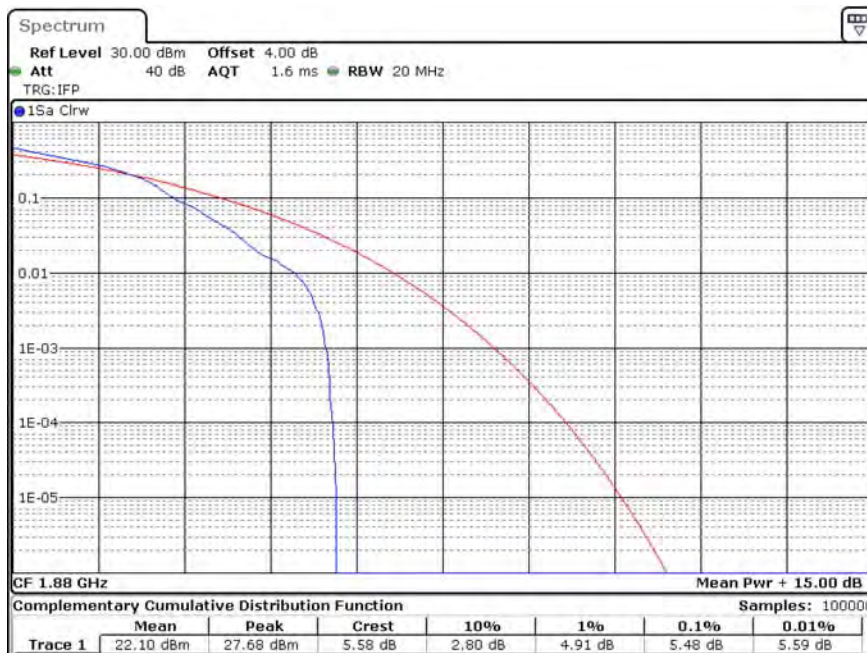
Date: 8.FEB.2020 14:36:14

B2_CH18675_15M_1RB0_16-QAM_Ratio



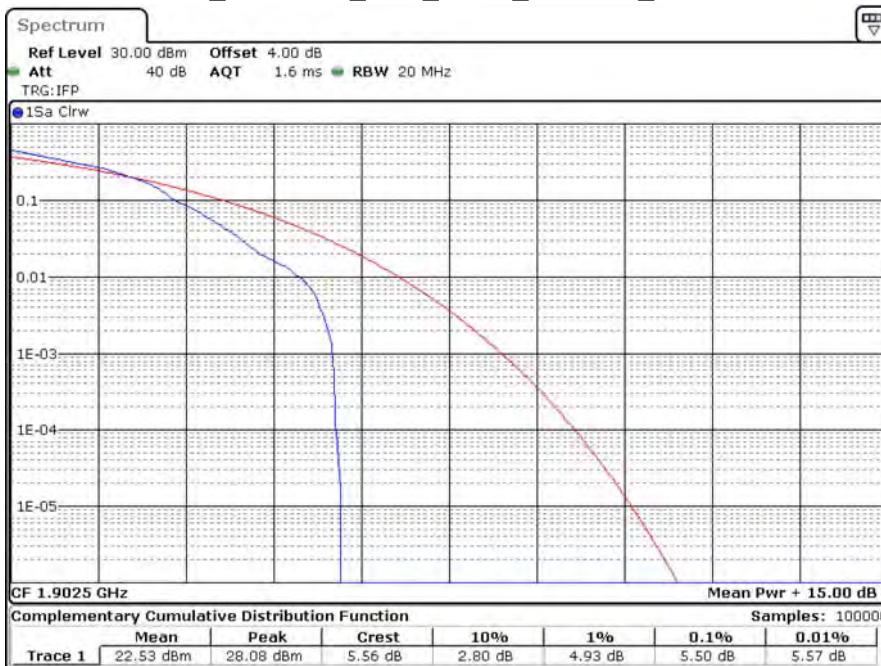
Date: 8.FEB.2020 14:17:59

B2_CH18900_15M_1RB0_16-QAM_Ratio



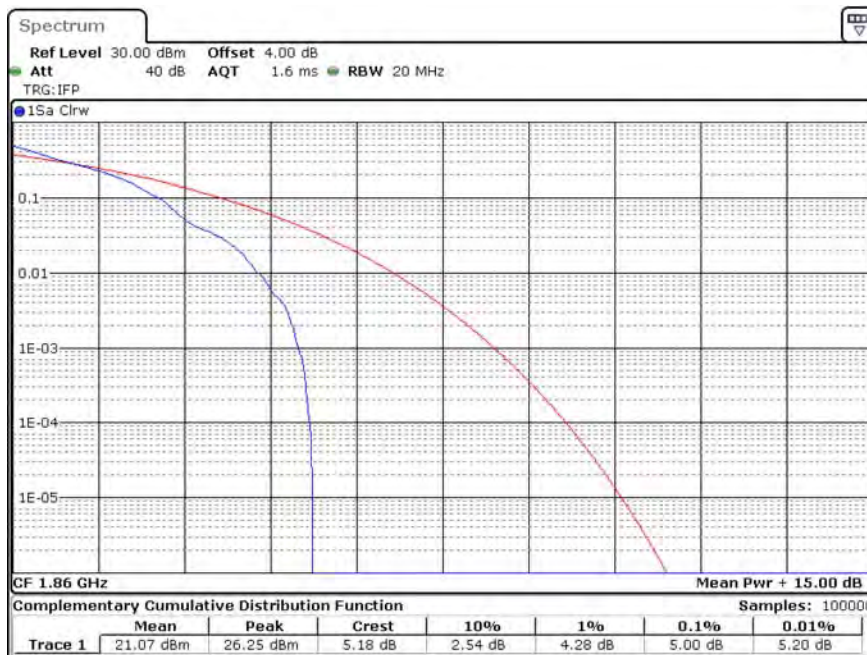
Date: 8.FEB.2020 14:23:48

B2_CH19125_15M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 14:35:51

B2_CH18700_20M_1RB0_QPSK_Ratio



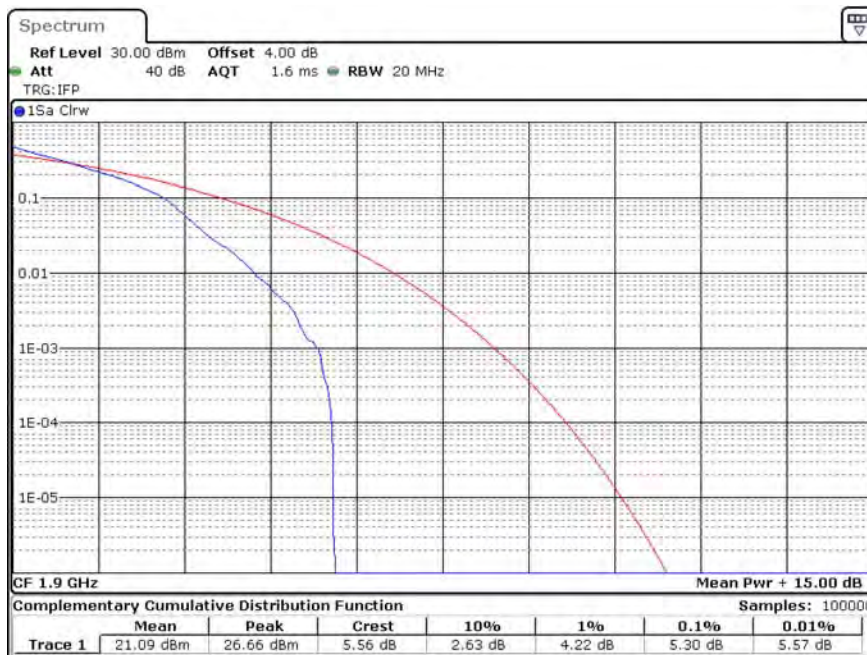
Date: 8.FEB.2020 14:59:49

_B2_CH18900_20M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 14:58:10

B2_CH19100_20M_1RB5_QPSK_Ratio



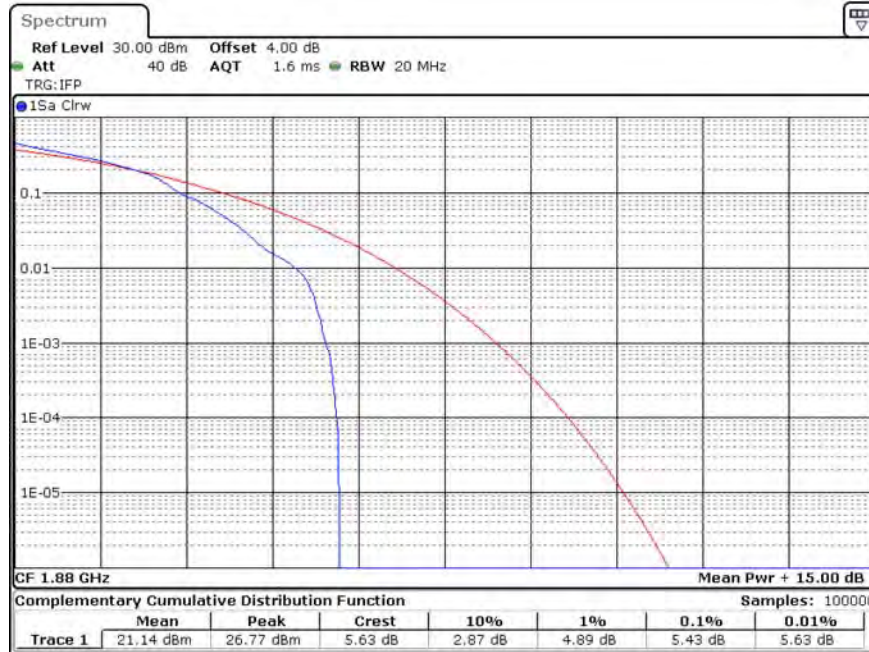
Date: 8.FEB.2020 15:01:39

B2_CH18700_20M_1RB0_16-QAM_Ratio



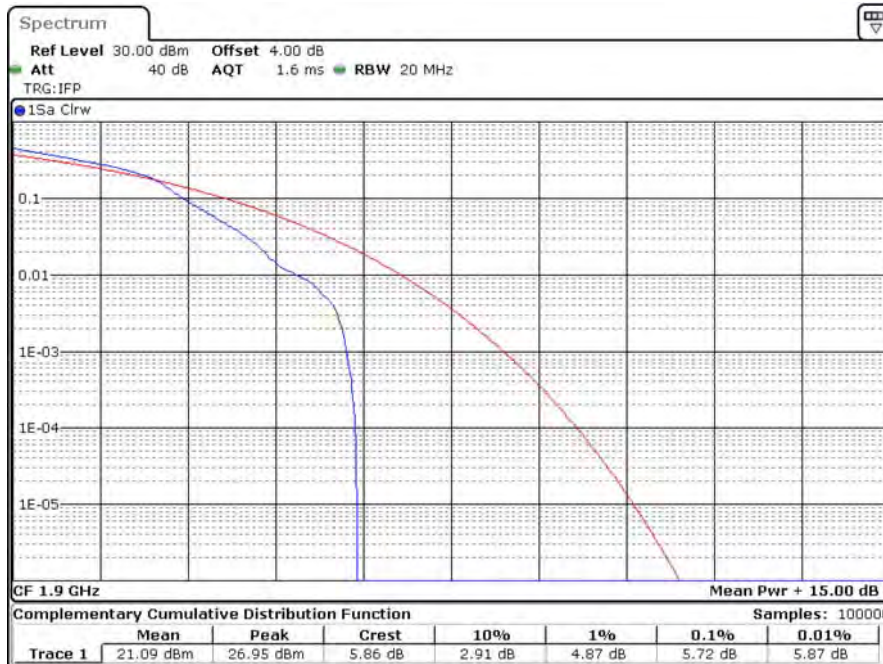
Date: 8.FEB.2020 14:59:37

B2_CH18900_20M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 14:58:31

B2_CH19100_20M_1RB5_16-QAM_Ratio



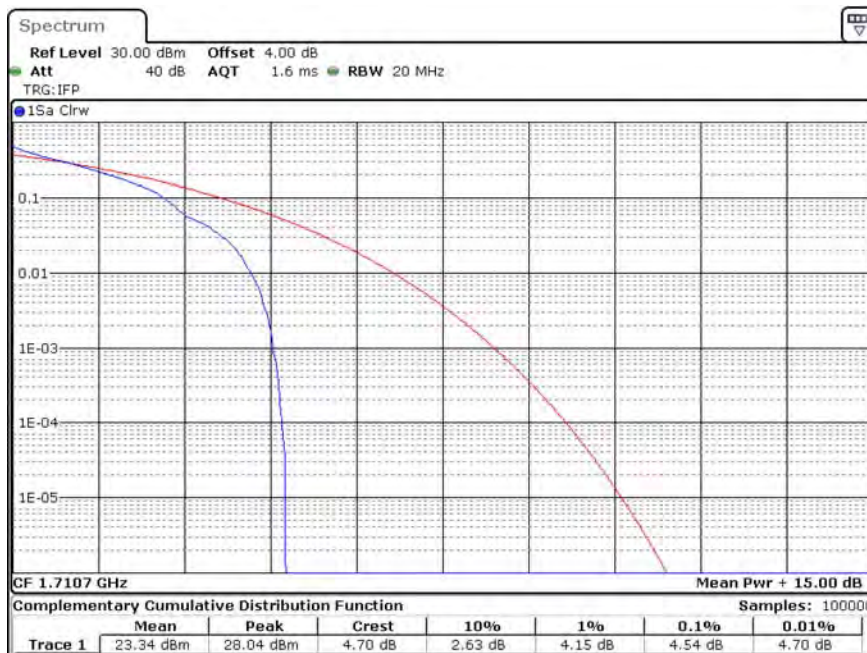
Date: 8.FEB.2020 15:02:03

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_Ratio



Date: 8.FEB.2020 15:08:16

B4_CH20175_1.4M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 15:03:45

B4_CH20393_1.4M_1RB5_QPSK_Ratio



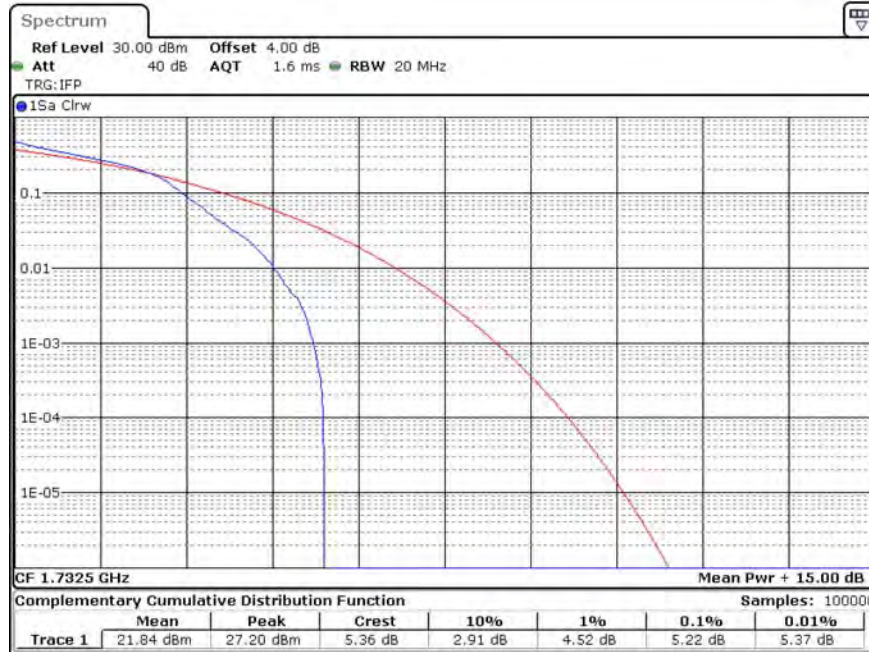
Date: 8.FEB.2020 15:12:15

B4_CH19957_1.4M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 15:08:00

B4_CH20175_1.4M_1RB0_16-QAM_Ratio



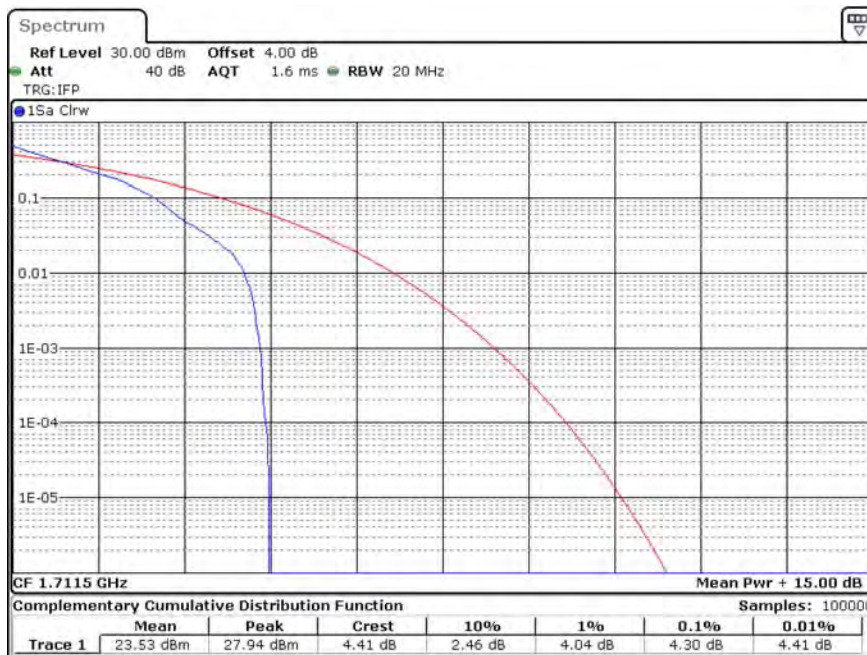
Date: 8.FEB.2020 15:04:19

B4_CH20393_1.4M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 15:12:42

B4_CH19965_3M_1RB0_QPSK_Ratio



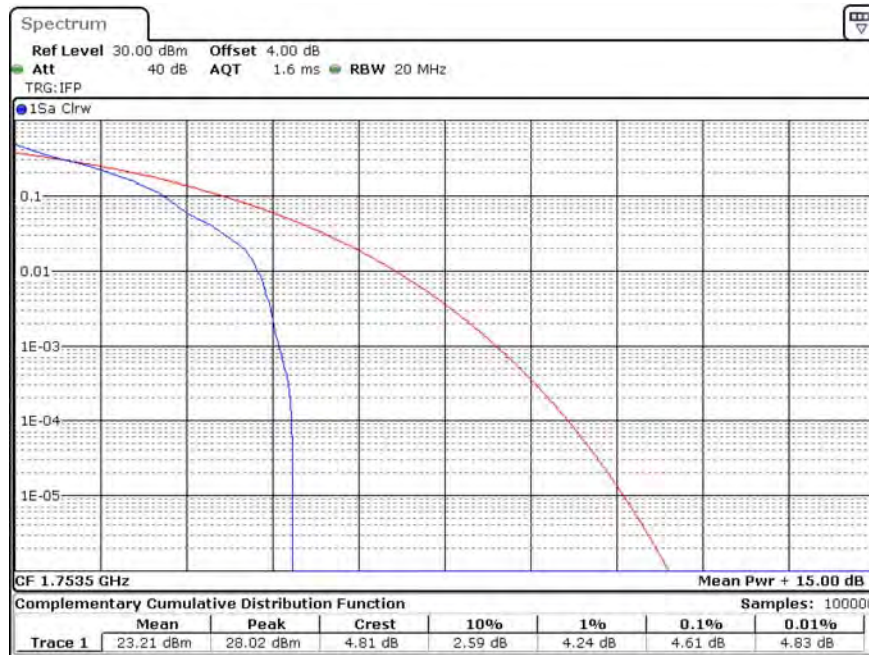
Date: 8.FEB.2020 15:25:15

B4_CH20175_3M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 15:17:26

B4_CH20385_3M_1RB5_QPSK_Ratio



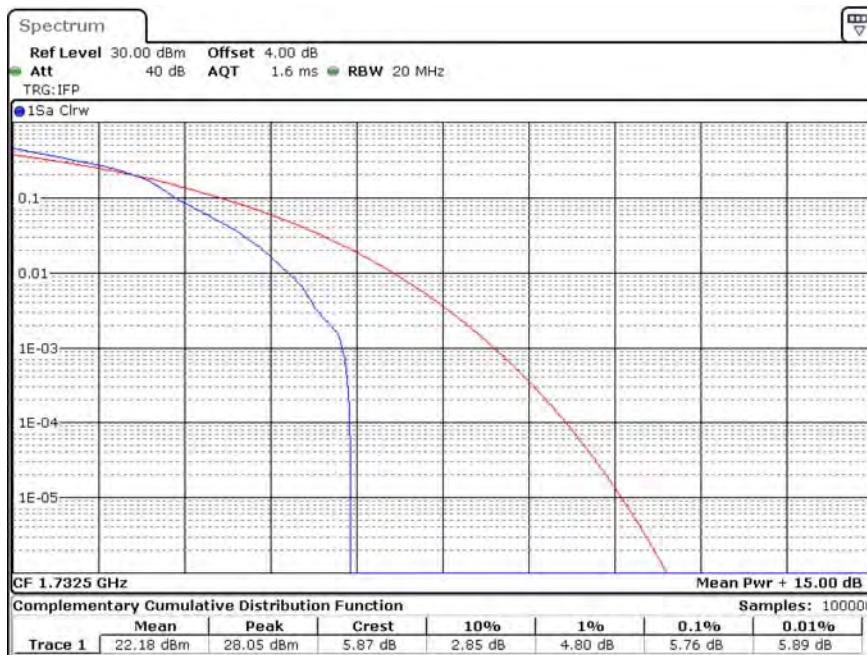
Date: 8.FEB.2020 15:13:49

B4_CH19965_3M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 15:25:30

B4_CH20175_3M_1RB0_16-QAM_Ratio



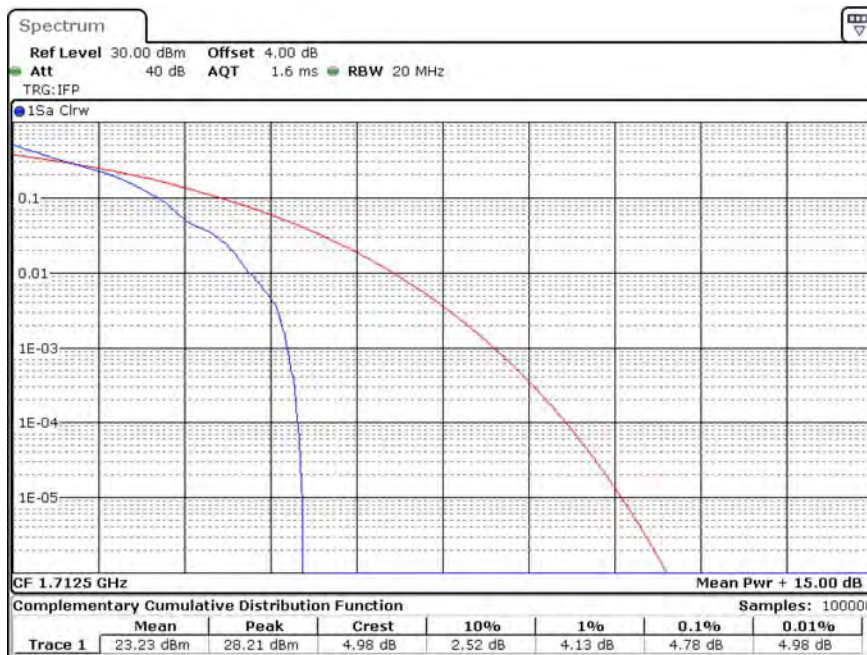
Date: 8.FEB.2020 15:17:57

B4_CH20385_3M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 15:13:33

B4_CH19975_5M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 15:37:27

_B4_CH20175_5M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 15:42:09

B4_CH20375_5M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 15:52:52

B4_CH19975_5M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 15:37:43

B4_CH20175_5M_1RB0_16-QAM_Ratio



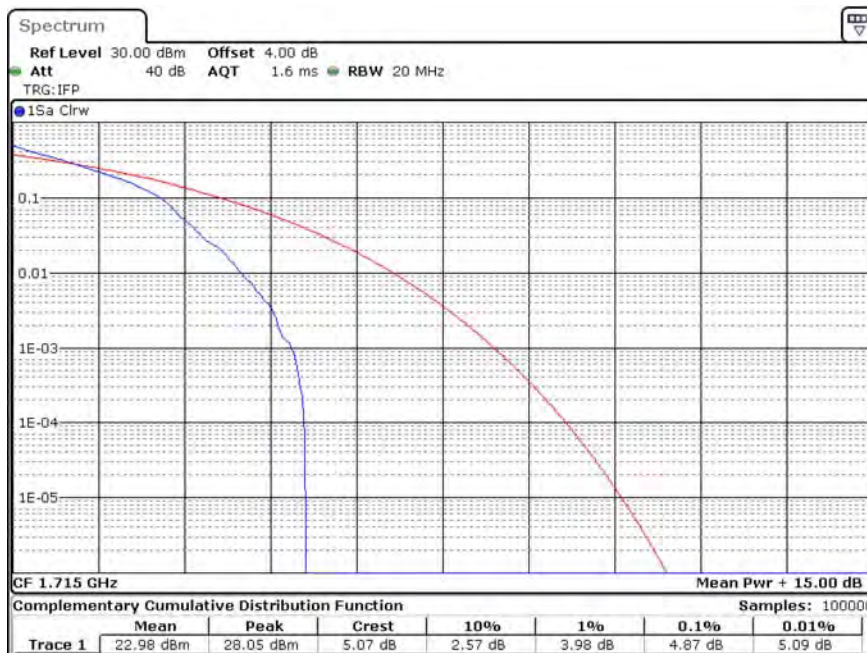
Date: 8.FEB.2020 15:41:34

B4_CH20375_5M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 15:53:12

B4_CH20000_10M_1RB0_QPSK_Ratio



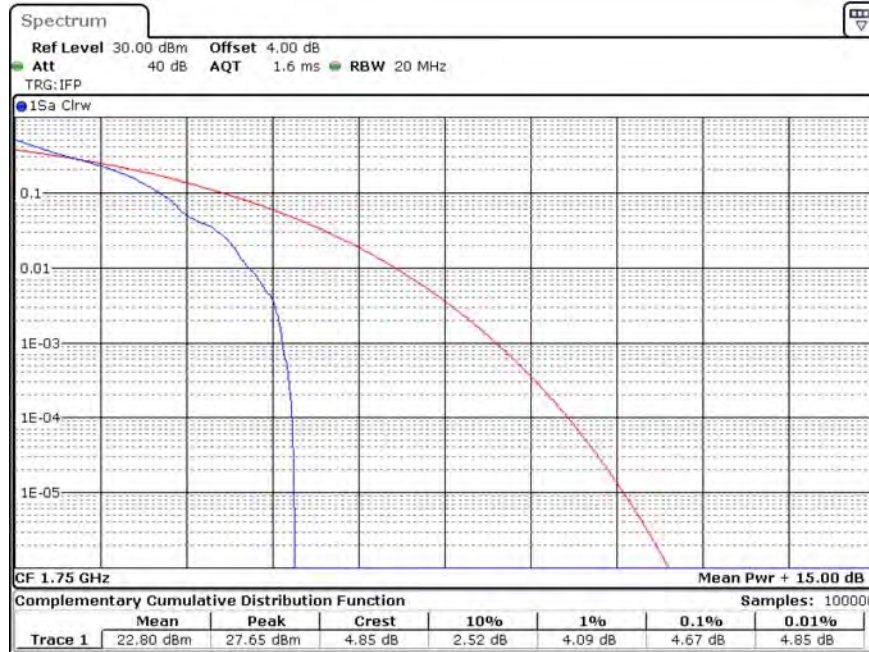
Date: 8.FEB.2020 16:01:56

_B4_CH20175_10M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 15:58:39

B4_CH20350_10M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 15:56:18

B4_CH20000_10M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 16:02:53

B4_CH20175_10M_1RB0_16-QAM_Ratio



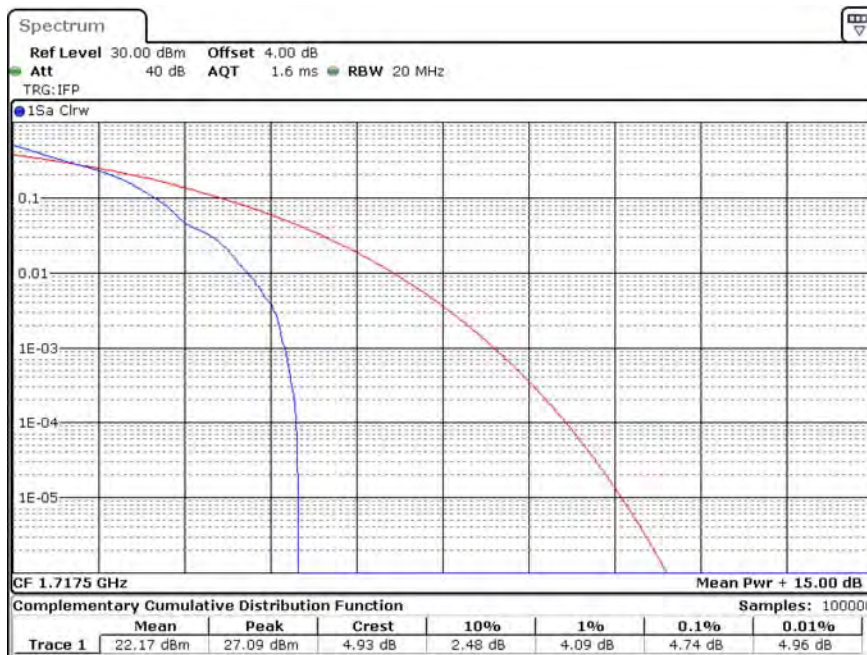
Date: 8.FEB.2020 15:57:44

B4_CH20350_10M_1RB5_16-QAM_Ratio



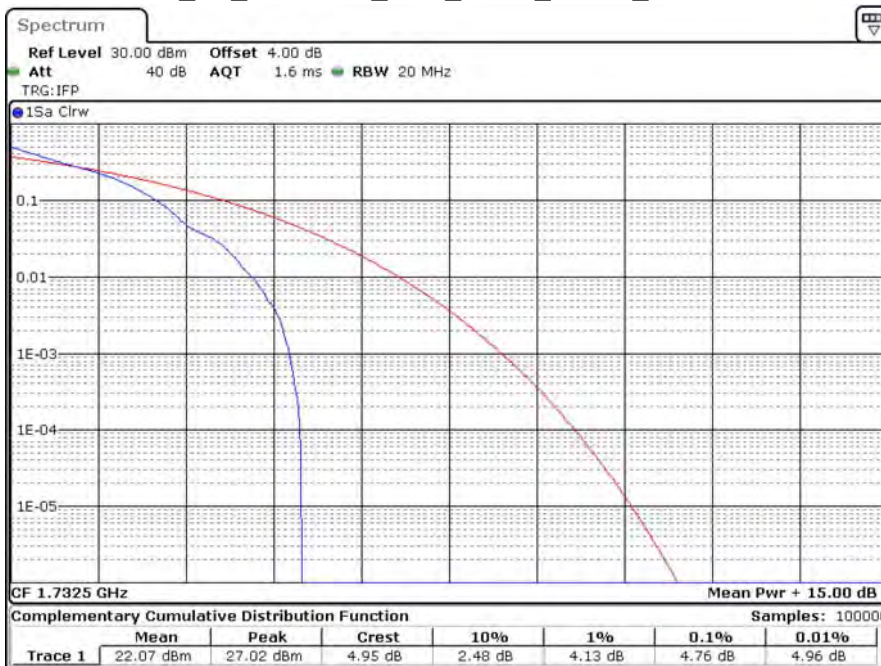
Date: 8.FEB.2020 15:56:31

B4_CH20025_15M_1RB0_QPSK_Ratio



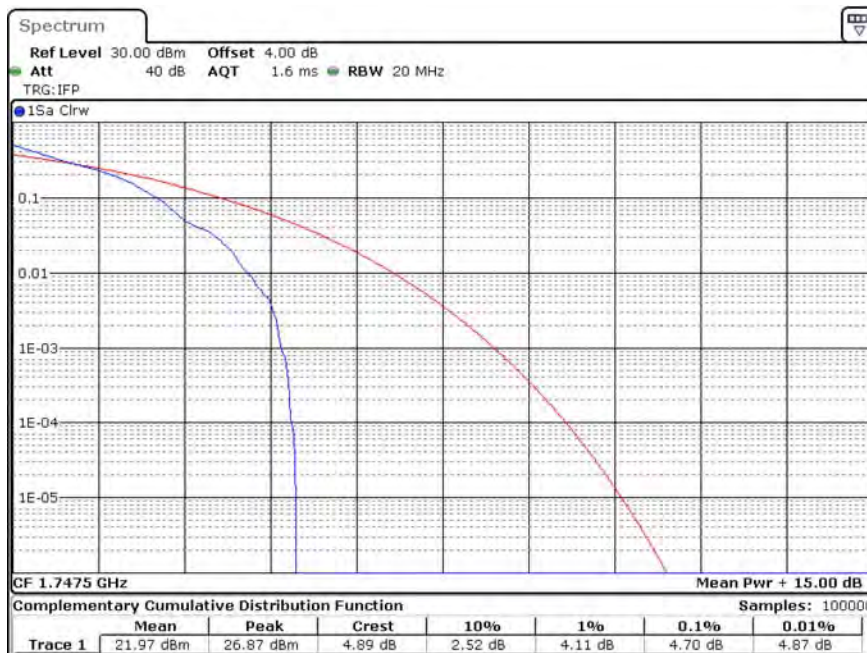
Date: 8.FEB.2020 16:05:31

_B4_CH20175_15M_1RB0_QPSK_Ratio



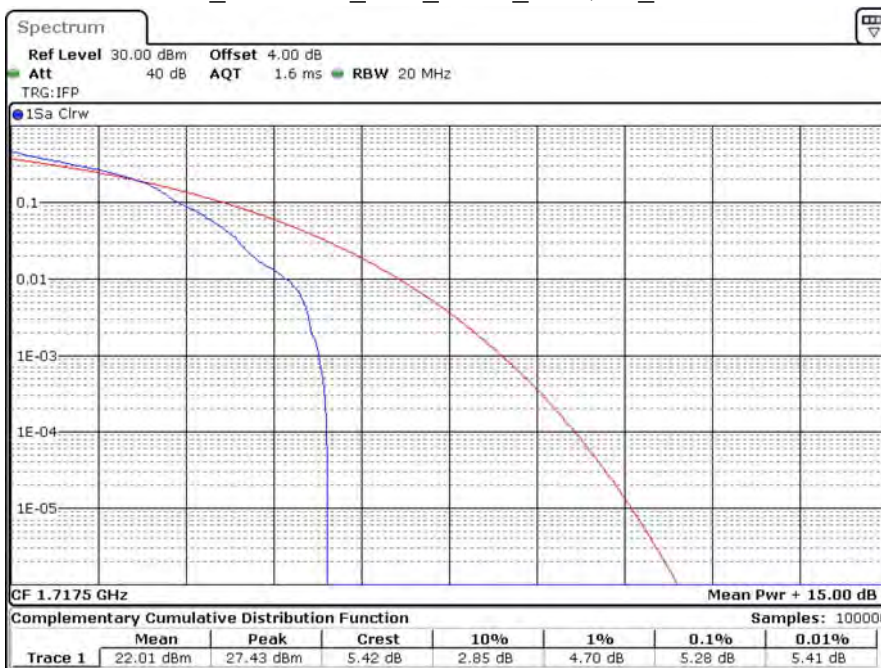
Date: 8.FEB.2020 16:14:00

B4_CH20325_15M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 16:20:18

B4_CH20025_15M_1RB0_16-QAM_Ratio



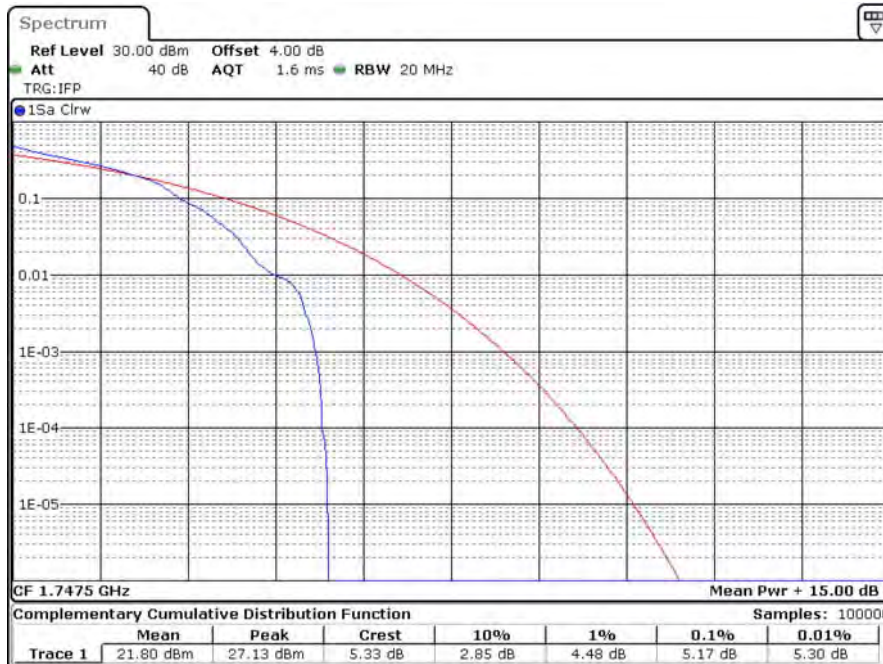
Date: 8.FEB.2020 16:05:55

B4_CH20175_15M_1RB0_16-QAM_Ratio



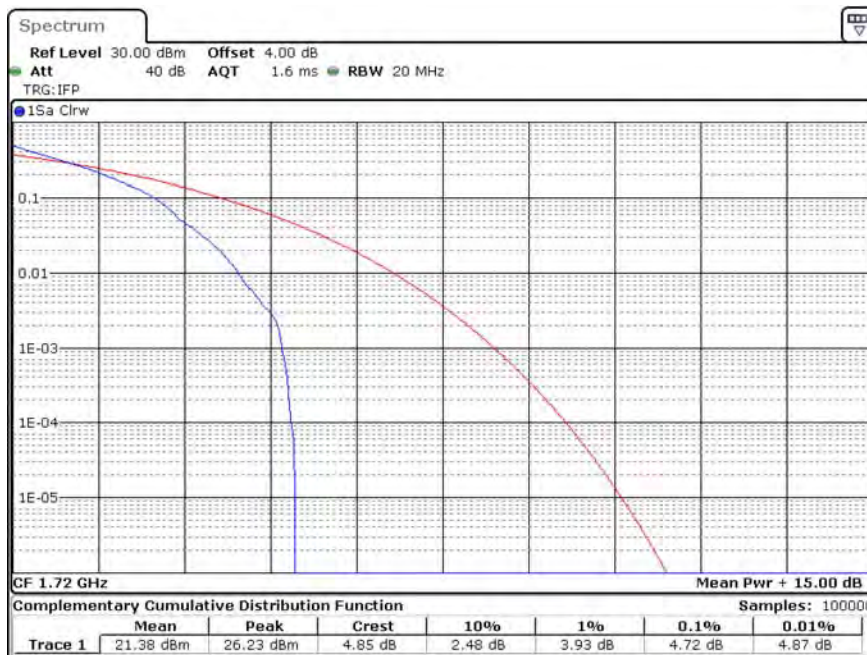
Date: 8.FEB.2020 16:13:41

B4_CH20325_15M_1RB5_16-QAM_Ratio



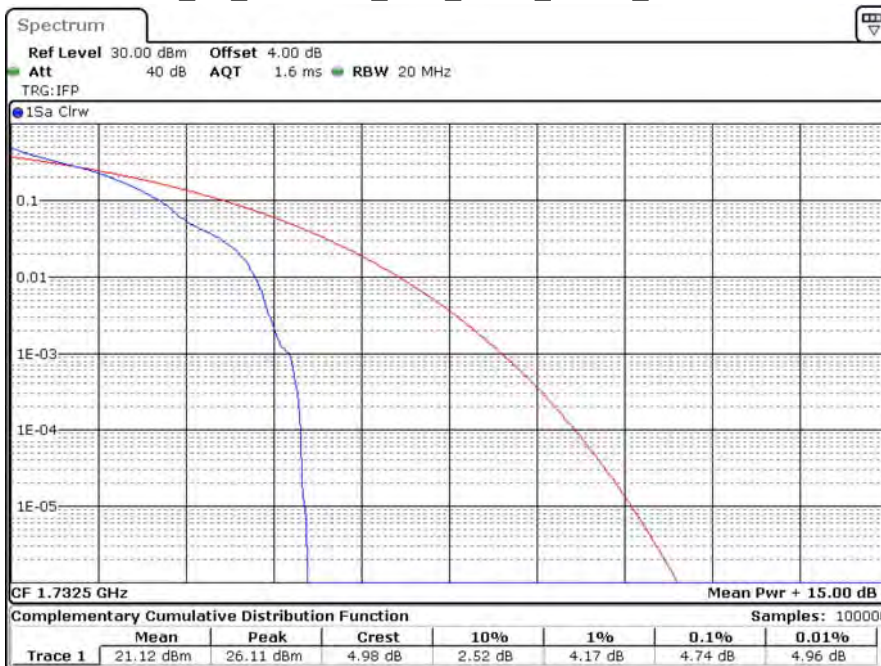
Date: 8.FEB.2020 16:21:26

B4_CH20050_20M_1RB0_QPSK_Ratio



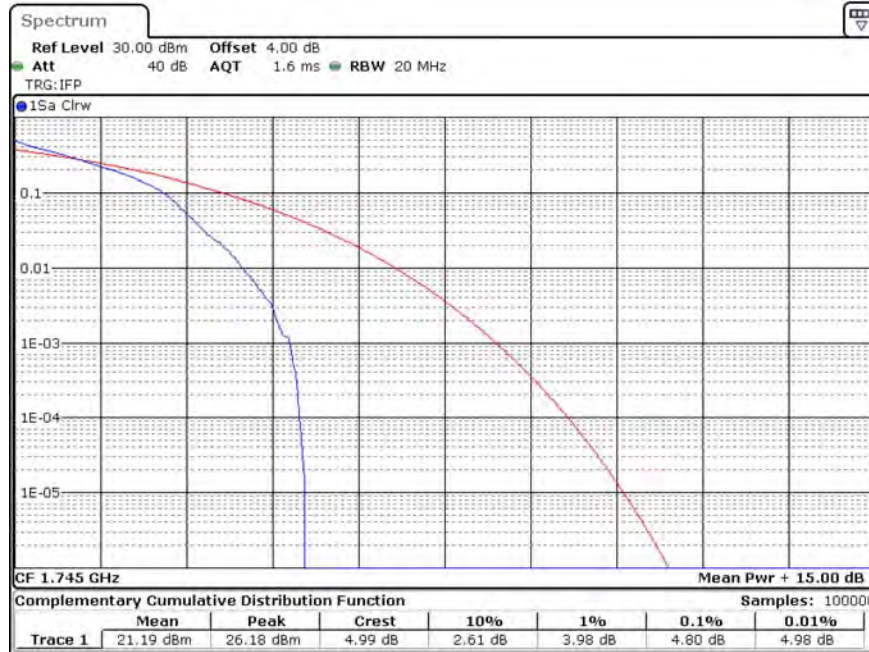
Date: 8.FEB.2020 16:29:44

_B4_CH20175_20M_1RB0_QPSK_Ratio



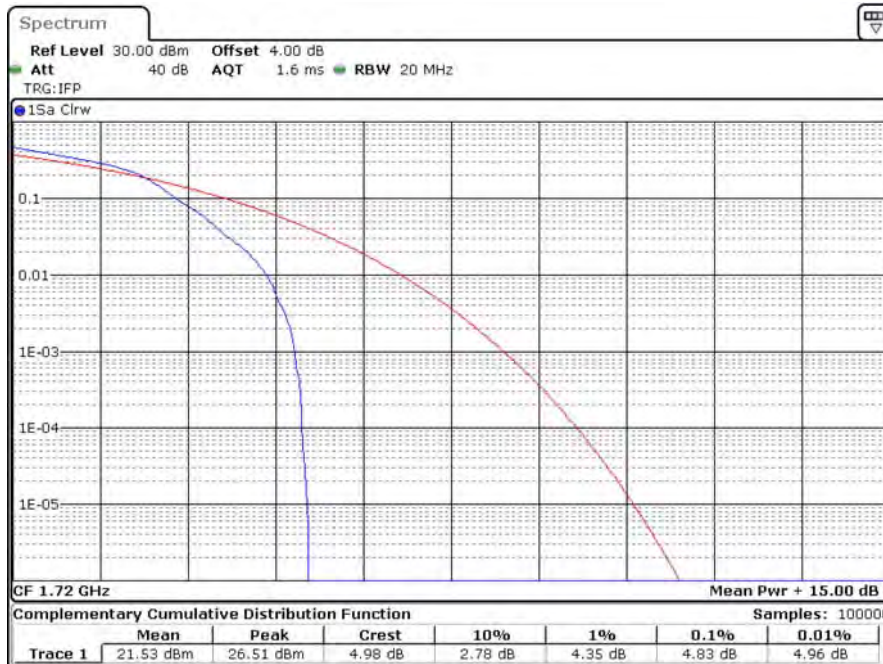
Date: 8.FEB.2020 16:22:59

B4_CH20300_20M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 16:28:39

B4_CH20050_20M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 16:29:31

B4_CH20175_20M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 16:22:48

B4_CH20300_20M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 16:28:52

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



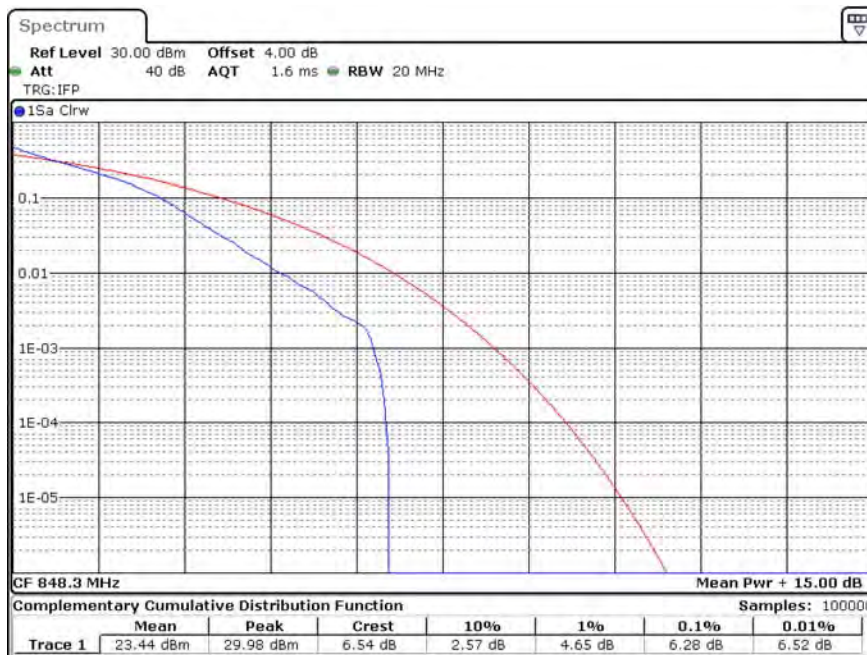
Date: 8.FEB.2020 17:27:47

_B5_CH20525_1.4M_1RB0_QPSK_Ratio



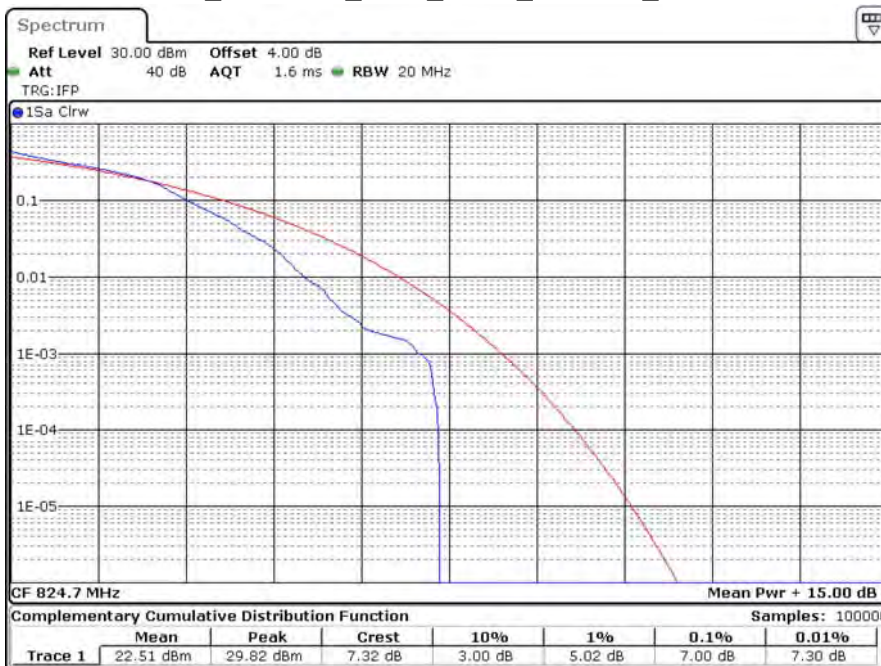
Date: 8.FEB.2020 17:21:15

B5_CH20643_1.4M_1RB5_QPSK_Ratio



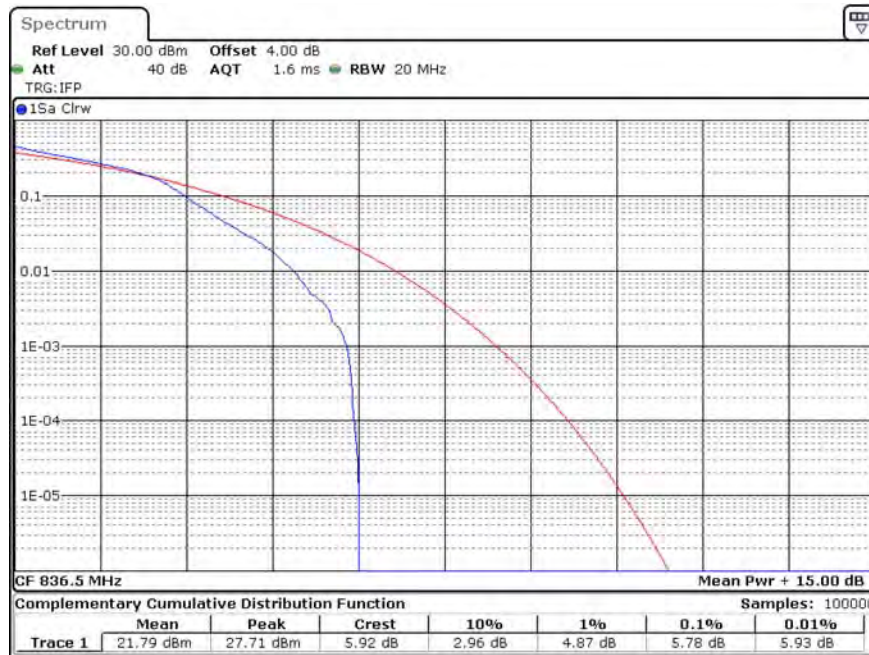
Date: 8.FEB.2020 17:30:00

B5_CH20407_1.4M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 17:28:26

B5_CH20525_1.4M_1RB0_16-QAM_Ratio



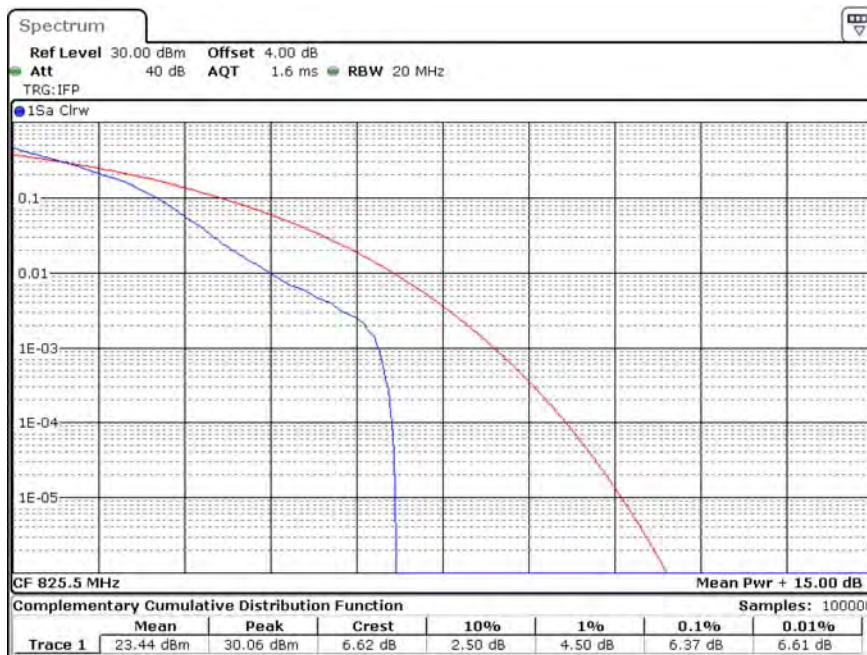
Date: 8.FEB.2020 17:20:57

B5_CH20643_1.4M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 17:29:49

B5_CH20415_3M_1RB0_QPSK_Ratio



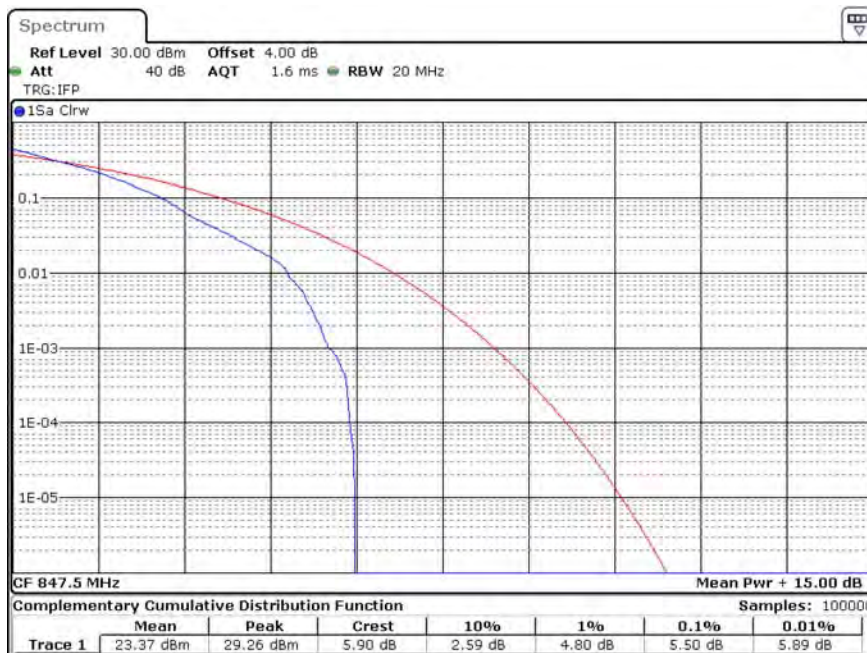
Date: 8.FEB.2020 17:38:51

B5_CH20525_3M_1RB0_QPSK_Ratio



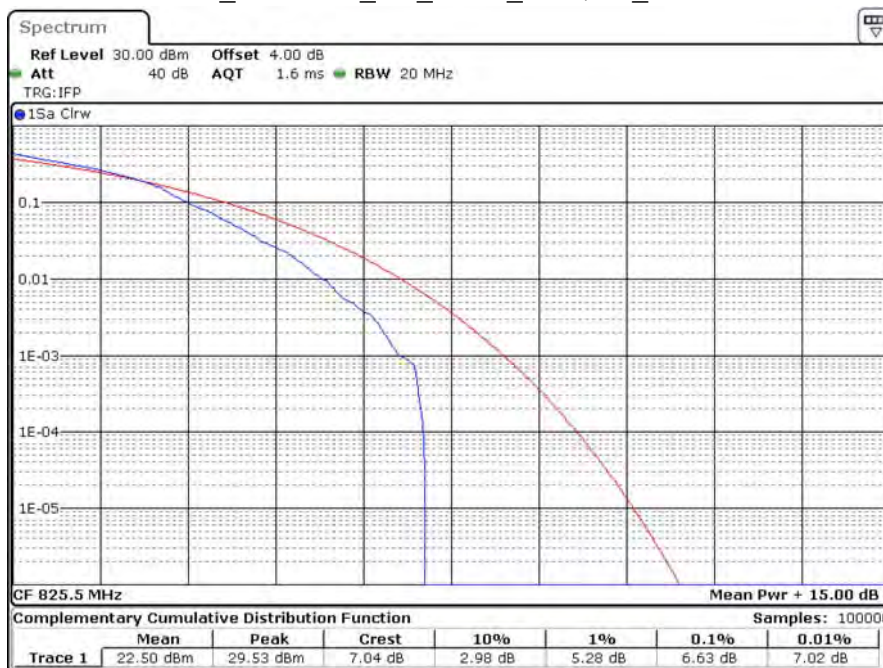
Date: 8.FEB.2020 17:36:51

B5_CH20635_3M_1RB5_QPSK_Ratio



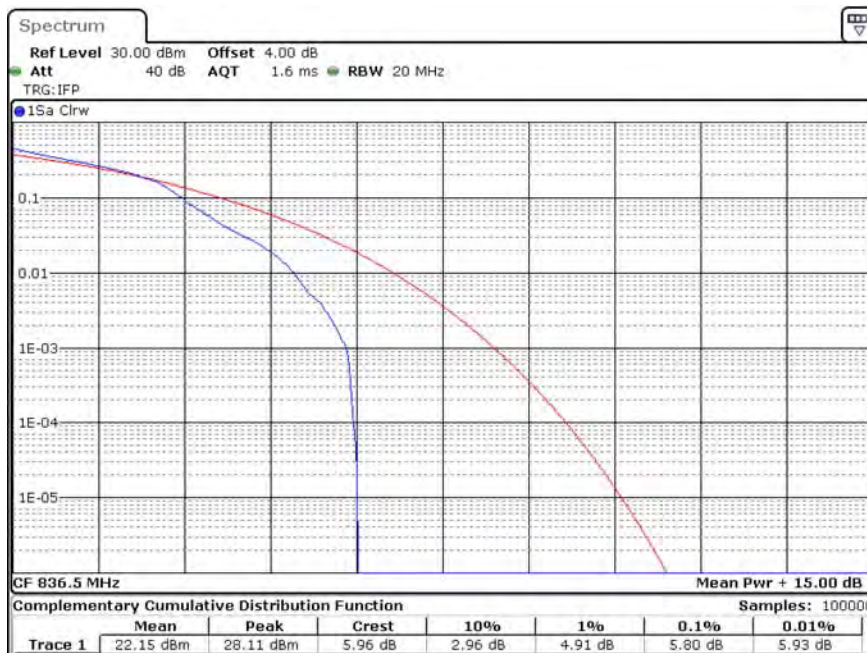
Date: 8.FEB.2020 17:32:58

B5_CH20415_3M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 17:38:35

B5_CH20525_3M_1RB0_16-QAM_Ratio



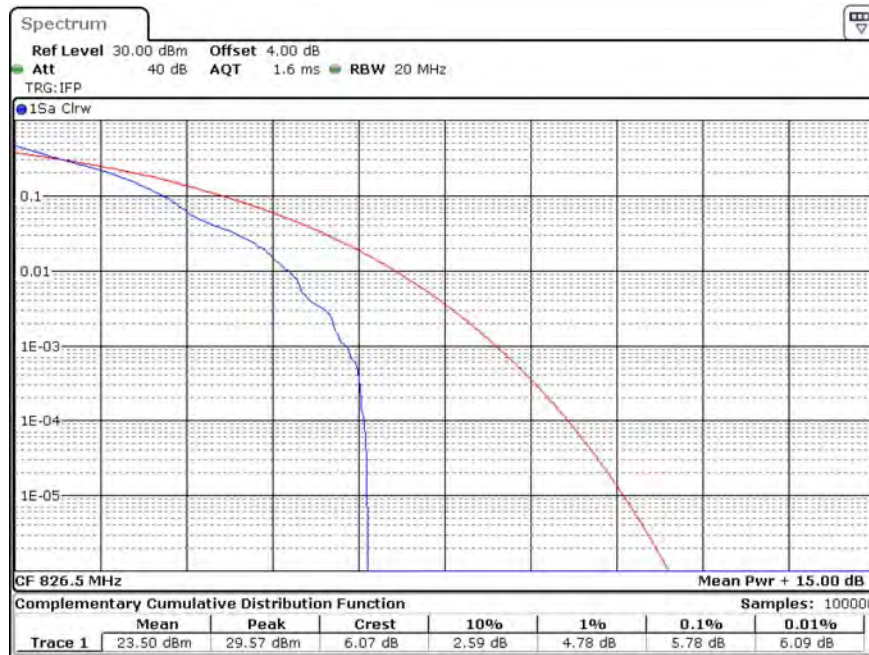
Date: 8.FEB.2020 17:37:04

B5_CH20635_3M_1RB5_16-QAM_Ratio



Date: 8.FEB.2020 17:32:43

B5_CH20425_5M_1RB0_QPSK_Ratio



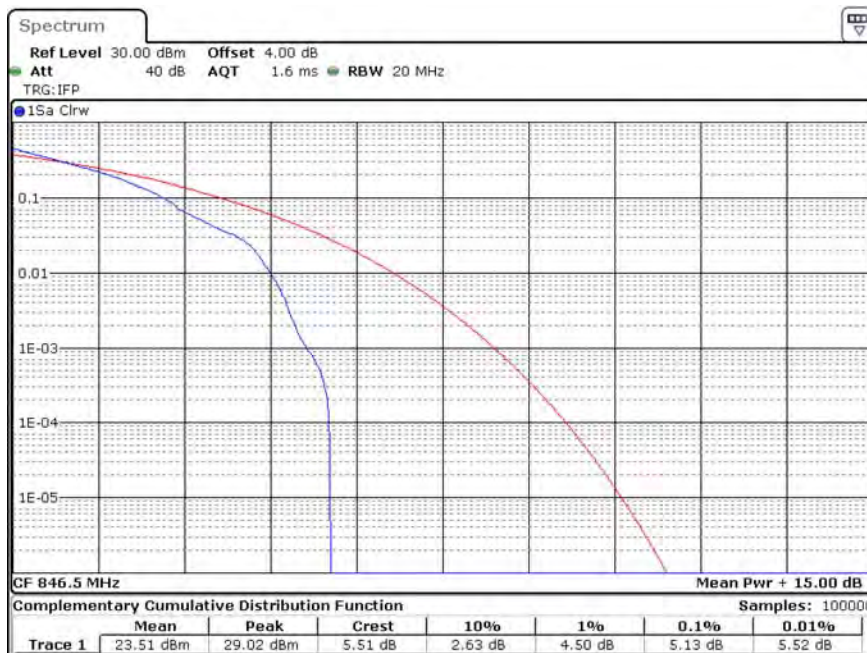
Date: 8.FEB.2020 17:46:58

_B5_CH20525_5M_1RB0_QPSK_Ratio



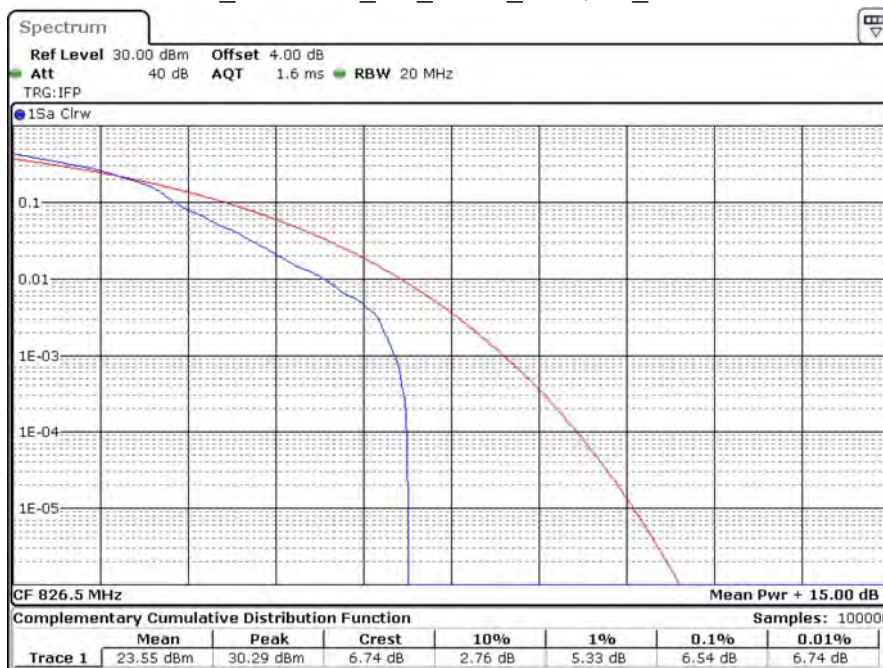
Date: 8.FEB.2020 17:47:18

B5_CH20625_5M_1RB5_QPSK_Ratio



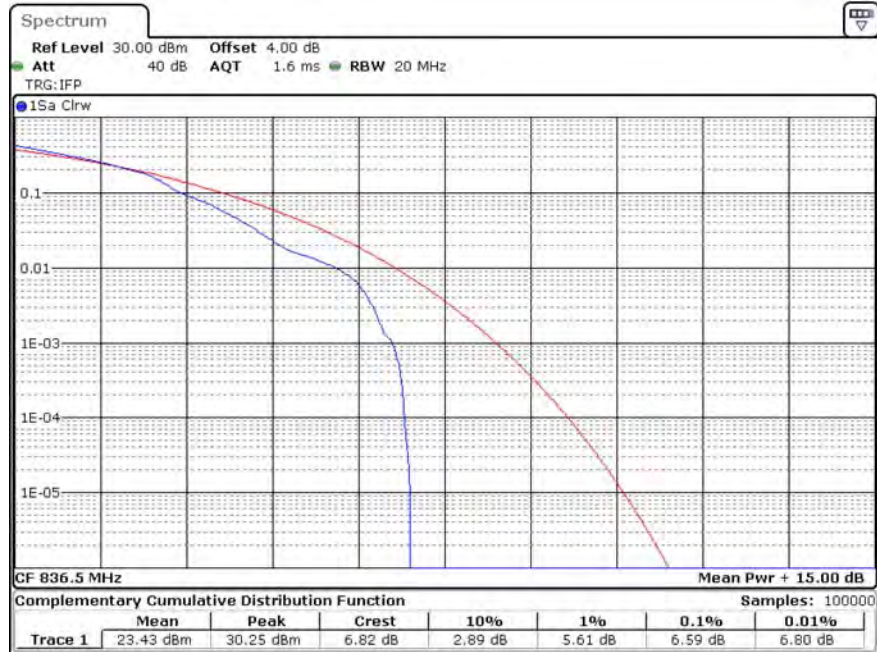
Date: 8.FEB.2020 17:49:15

B5_CH20425_5M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 17:46:19

B5_CH20525_5M_1RB0_16-QAM_Ratio



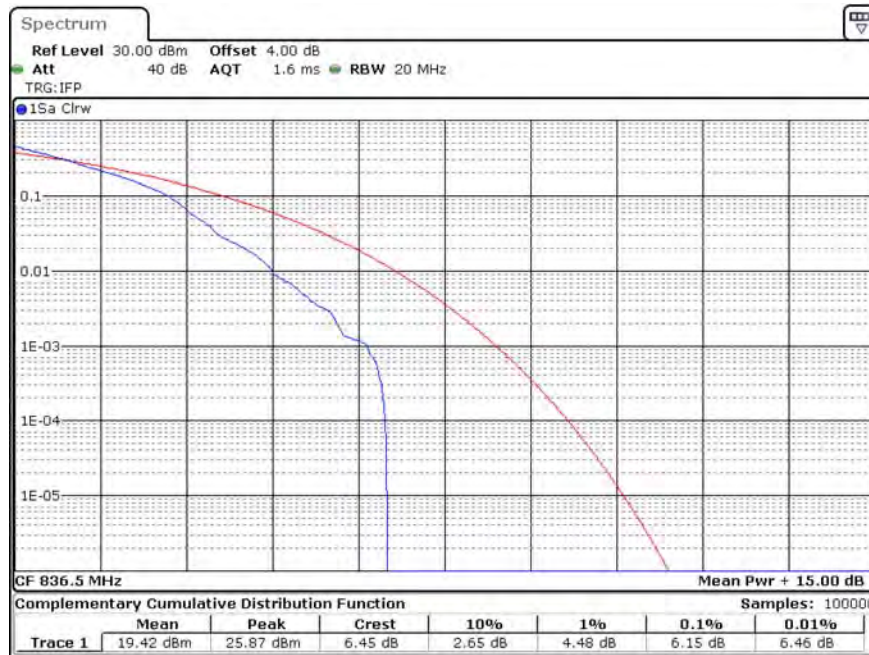
Date: 8.FEB.2020 17:47:28

B5_CH20625_5M_1RB5_16-QAM_Ratio



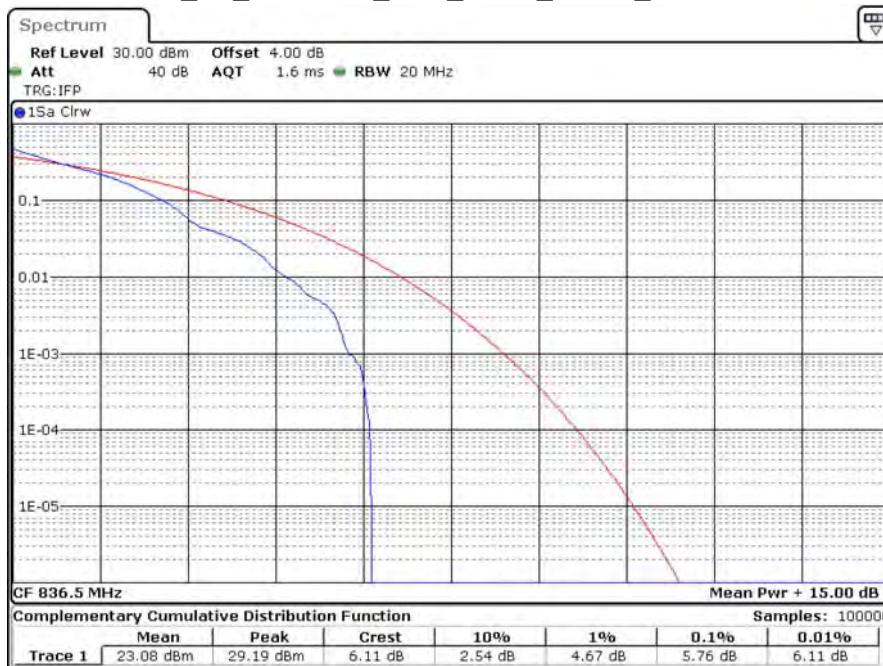
Date: 8.FEB.2020 17:49:04

B5_CH20450_10M_1RB0_QPSK_Ratio



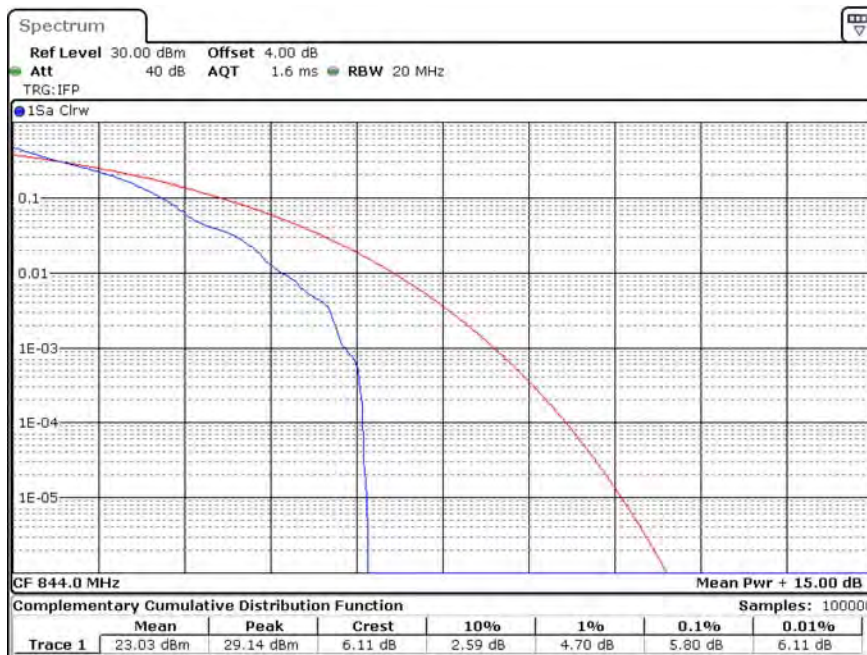
Date: 8.FEB.2020 17:51:08

_B5_CH20525_10M_1RB0_QPSK_Ratio



Date: 8.FEB.2020 17:50:28

B5_CH20600_10M_1RB5_QPSK_Ratio



Date: 8.FEB.2020 17:50:08

B5_CH20450_10M_1RB0_16-QAM_Ratio



Date: 8.FEB.2020 17:50:57

B5_CH20525_10M_1RB0_16-QAM_Ratio



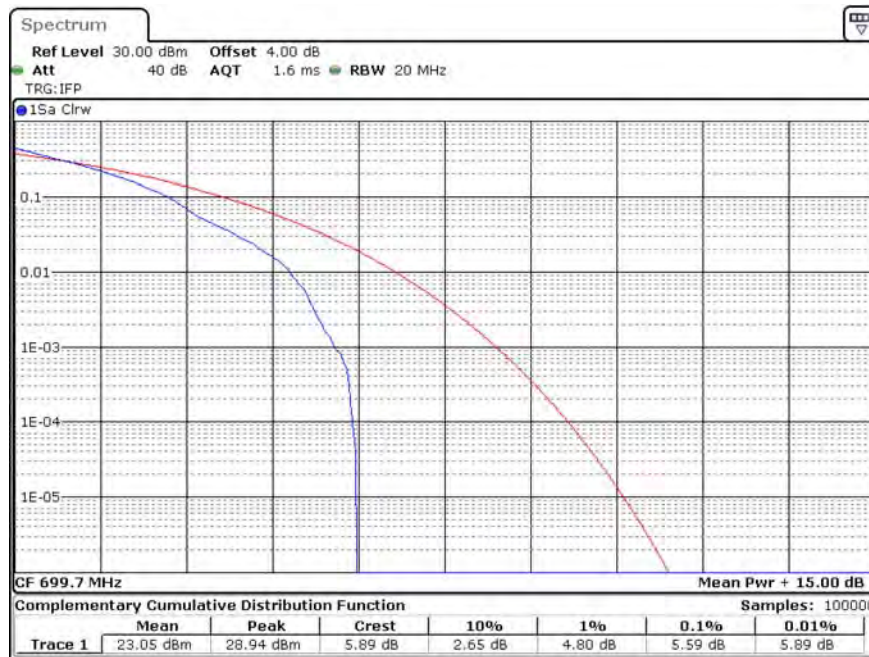
B5_CH20600_10M_1RB5_16-QAM_Ratio



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



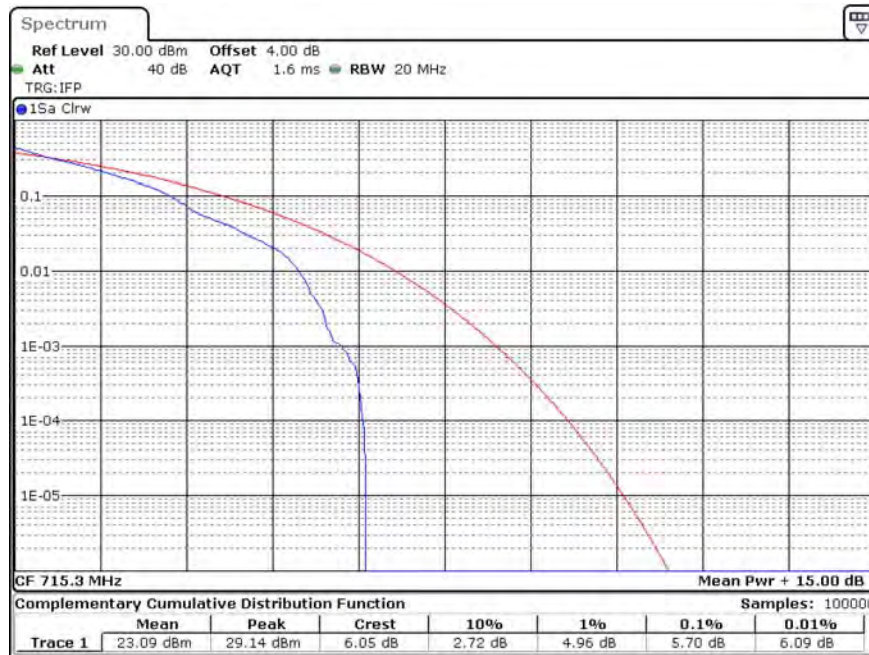
Date: 10.FEB.2020 10:21:06

B12_CH23097_1.4M_1RB0_QPSK_Ratio



Date: 10.FEB.2020 10:20:28

B12_CH23173_1.4M_1RB0_QPSK_Ratio



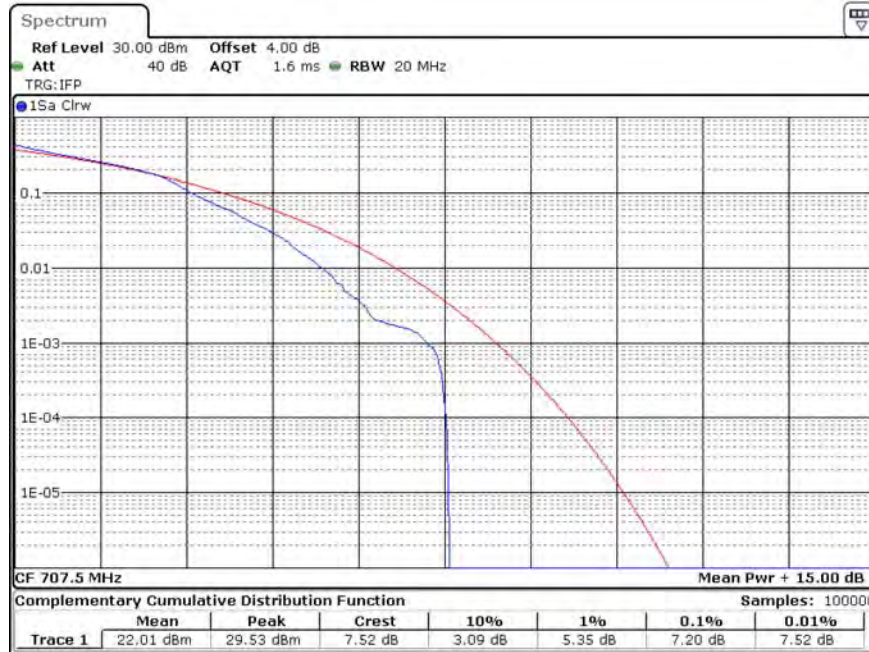
Date: 10.FEB.2020 10:18:11

B12_CH23017_1.4M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 10:21:18

B12_CH23097_1.4M_1RB0_16-QAM_Ratio



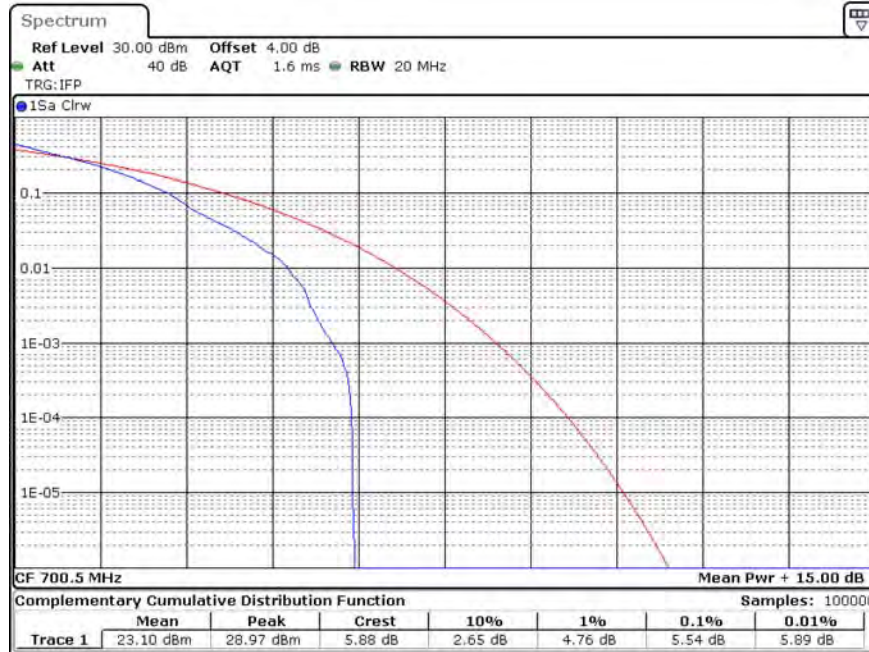
Date: 10.FEB.2020 10:20:13

B12_CH23173_1.4M_1RB0_16-QAM_Ratio



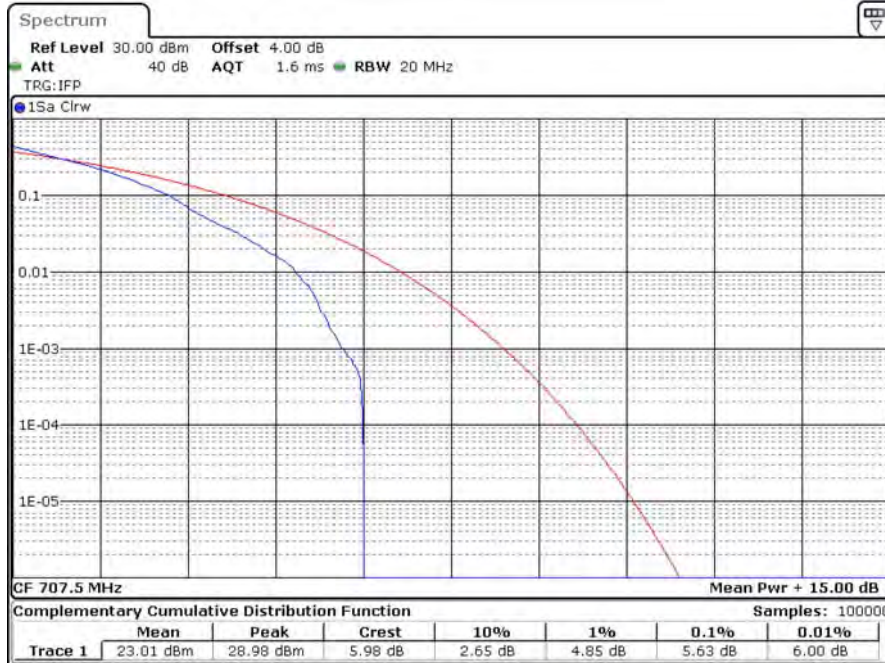
Date: 10.FEB.2020 10:18:48

_B12_CH23025_3M_1RB0_QPSK_Ratio



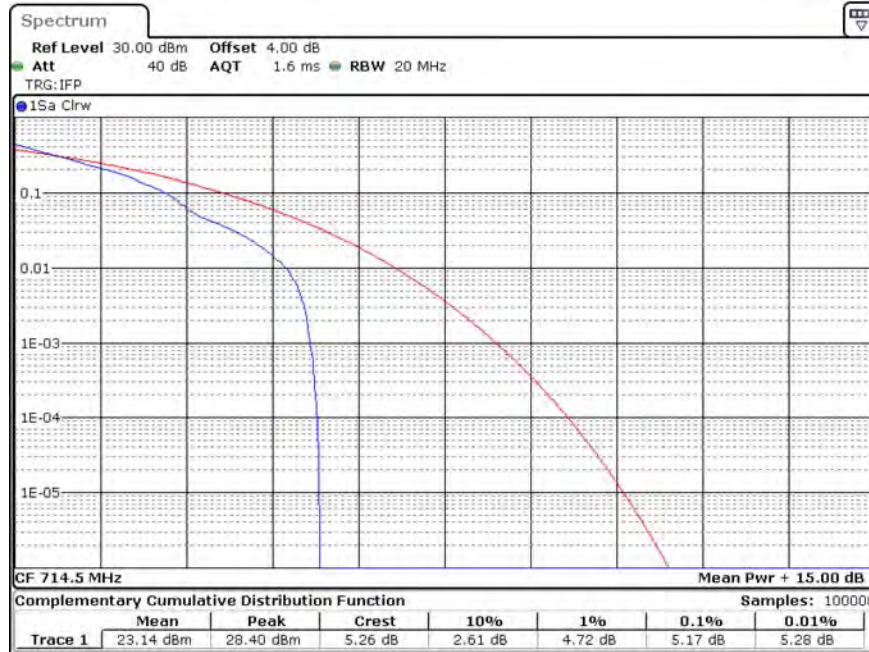
Date: 10.FEB.2020 10:26:44

_B12_CH23095_3M_1RB0_QPSK_Ratio



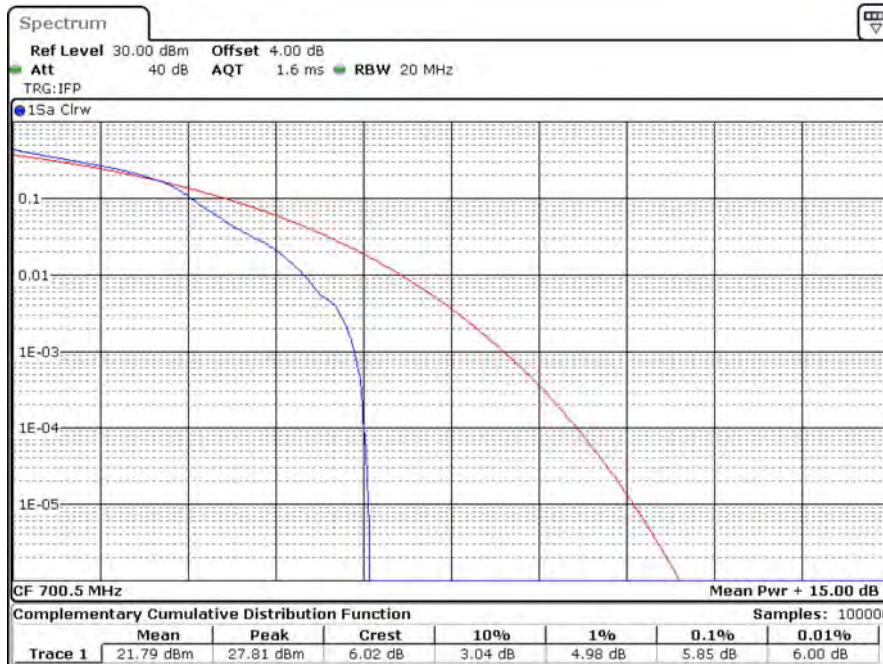
Date: 10.FEB.2020 10:29:19

B12_CH23165_3M_1RB5_QPSK_Ratio



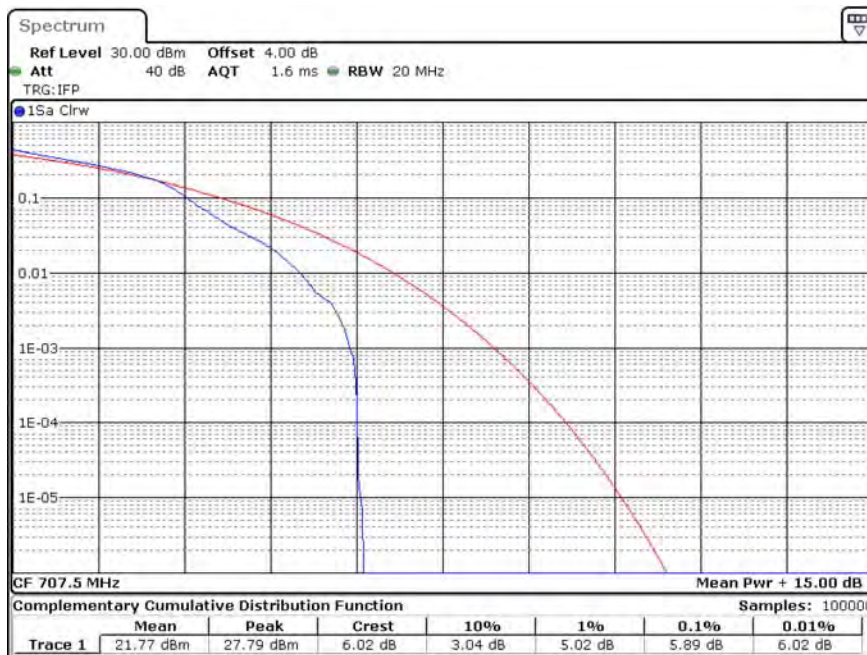
Date: 10.FEB.2020 10:29:45

B12_CH23025_3M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 10:27:48

B12_CH23095_3M_1RB0_16-QAM_Ratio



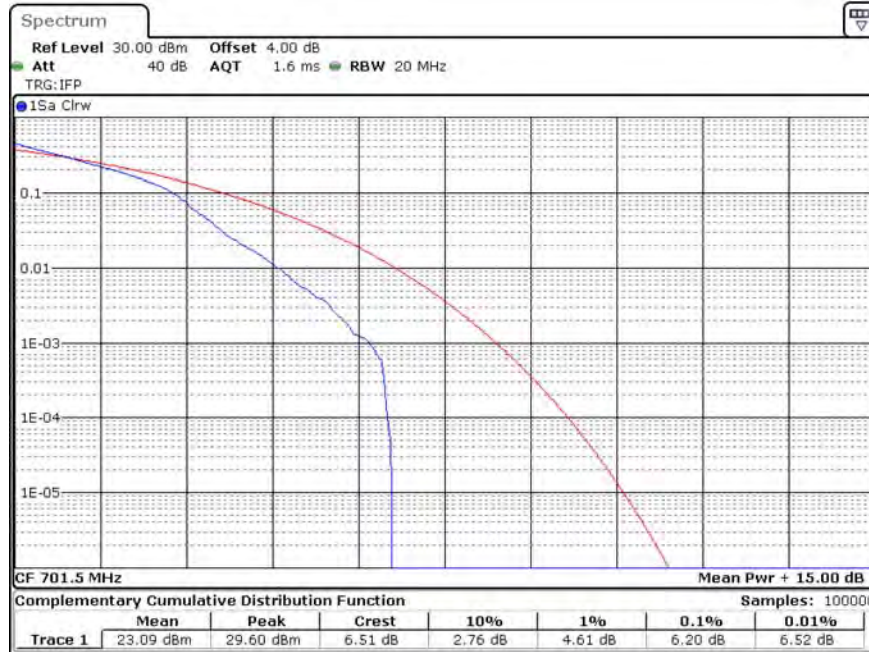
Date: 10.FEB.2020 10:29:05

B12_CH23165_3M_1RB5_16-QAM_Ratio



Date: 10.FEB.2020 10:30:05

B12_CH23035_5M_1RB0_QPSK_Ratio



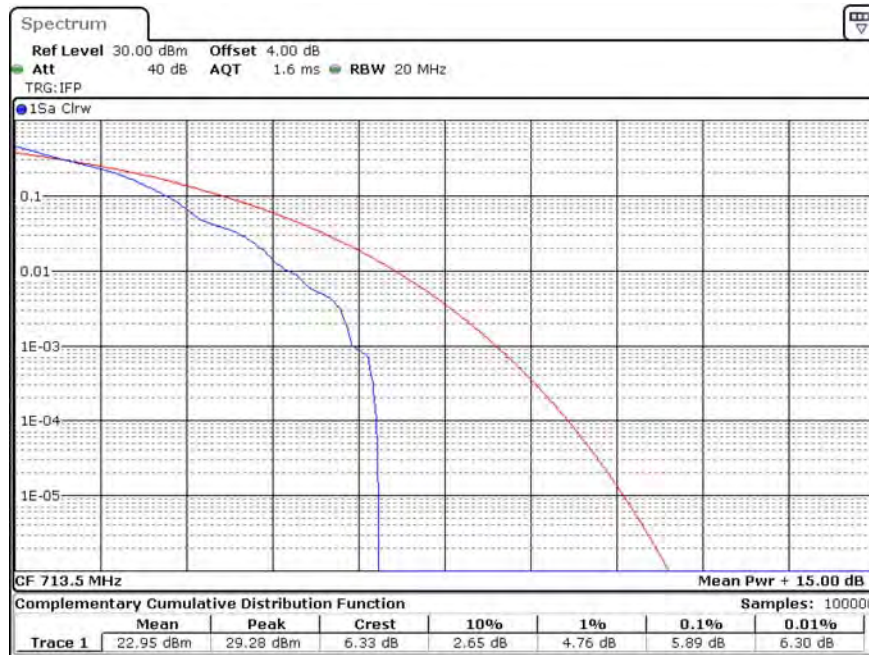
Date: 10.FEB.2020 11:03:43

B12_CH23095_5M_1RB0_QPSK_Ratio



Date: 10.FEB.2020 11:01:17

B12_CH23155_5M_1RB5_QPSK_Ratio



Date: 10.FEB.2020 10:30:45

B12_CH23035_5M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 11:03:24

B12_CH23095_5M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 11:02:11

B12_CH23155_5M_1RB5_16-QAM_Ratio



Date: 10.FEB.2020 10:31:09

B12_CH23060_10M_1RB0_QPSK_Ratio



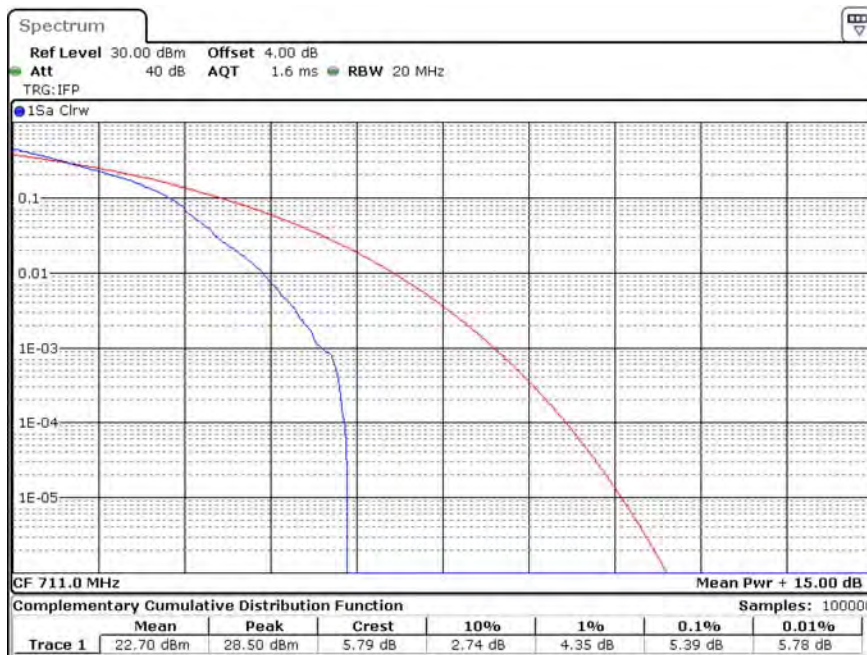
Date: 10.FEB.2020 09:59:29

B12_CH23095_10M_1RB0_QPSK_Ratio



Date: 10.FEB.2020 09:50:54

B12_CH23130_10M_1RB5_QPSK_Ratio



Date: 10.FEB.2020 10:05:52

B12_CH23060_10M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 09:59:01

B12_CH23095_10M_1RB0_16-QAM_Ratio



Date: 10.FEB.2020 09:51:32

B12_CH23130_10M_1RB5_16-QAM_Ratio



Date: 10.FEB.2020 10:06:13