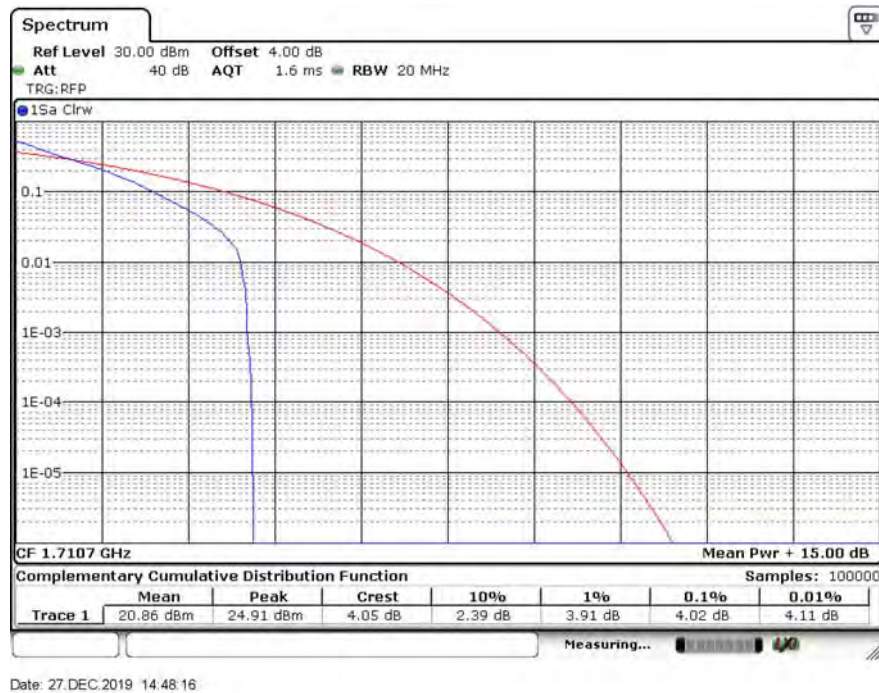


Product	M2M DATA MODULE		
Test Item	Peak To Average Ratio		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2019/12/27	Test Site	SR12-H
Temperature (°C)	21.0°C	Humidity (%RH)	60%RH

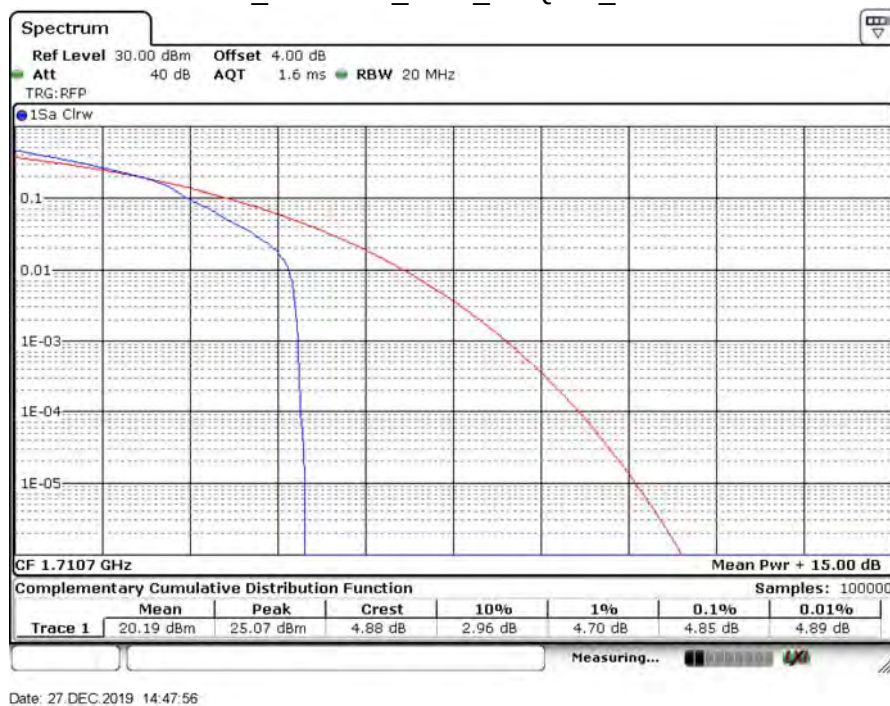
Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	19957	1710.7	QPSK	24.91	20.86	4.02
			16-QAM	25.07	20.19	4.85
	20175	1732.5	QPSK	24.96	20.88	4.07
			16-QAM	25.17	20.28	4.87
	20393	1754.3	QPSK	25.07	20.94	4.07
			16-QAM	25.17	20.16	4.98
3M	19965	1711.5	QPSK	24.97	20.96	4.00
			16-QAM	24.96	19.95	4.93
	20175	1732.5	QPSK	25.02	21.02	3.98
			16-QAM	25.04	20.00	4.98
	20385	1753.5	QPSK	24.92	20.79	4.11
			16-QAM	24.95	19.88	5.04
5M	19975	1712.5	QPSK	24.93	20.99	3.89
			16-QAM	25.23	20.79	4.43
	20175	1732.5	QPSK	25.01	21.03	3.93
			16-QAM	25.31	20.89	4.43
	20375	1752.5	QPSK	24.81	20.74	4.04
			16-QAM	25.21	20.68	4.54
10M	20000	1715	QPSK	24.47	20.54	3.91
			16-QAM	24.75	20.30	4.46
	20175	1732.5	QPSK	24.46	20.50	3.96
			16-QAM	24.80	20.33	4.46
	20350	1750	QPSK	24.51	20.42	4.07
			16-QAM	24.93	20.43	4.52

Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	20025	1717.5	QPSK	23.70	19.78	3.89
			16-QAM	24.01	19.59	4.41
	20175	1732.5	QPSK	23.69	19.68	3.98
			16-QAM	24.04	19.60	4.41
	20325	1747.5	QPSK	23.80	19.71	4.04
			16-QAM	24.15	19.57	4.54
20M	20050	1720	QPSK	22.81	18.81	3.98
			16-QAM	23.17	18.77	4.41
	20175	1732.5	QPSK	22.85	18.90	3.91
			16-QAM	23.23	18.82	4.41
	20300	1745	QPSK	22.81	18.68	4.11
			16-QAM	23.21	18.67	4.52

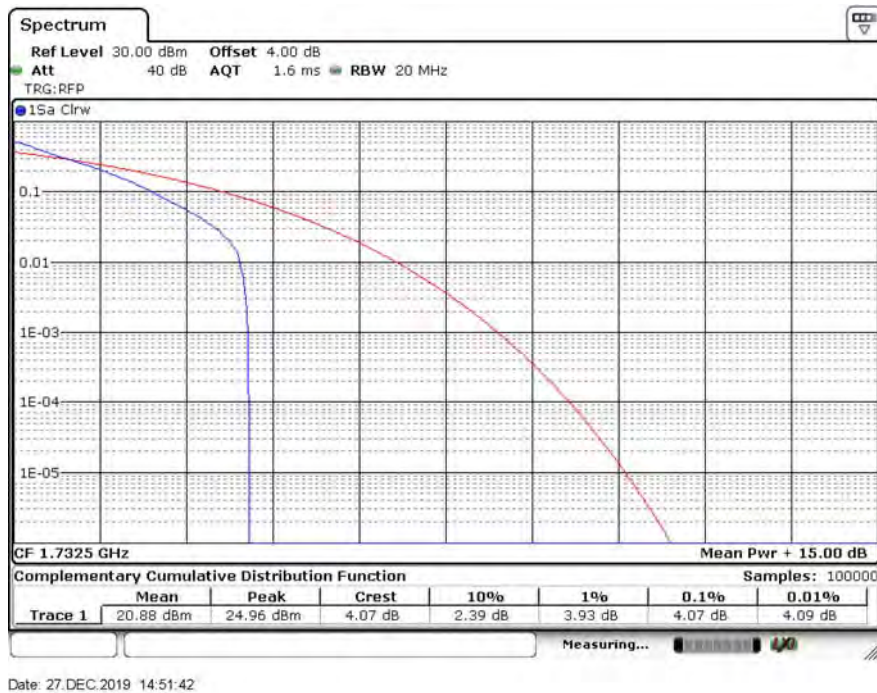
B4_CH19957_1.4M_QPSK_1RB0



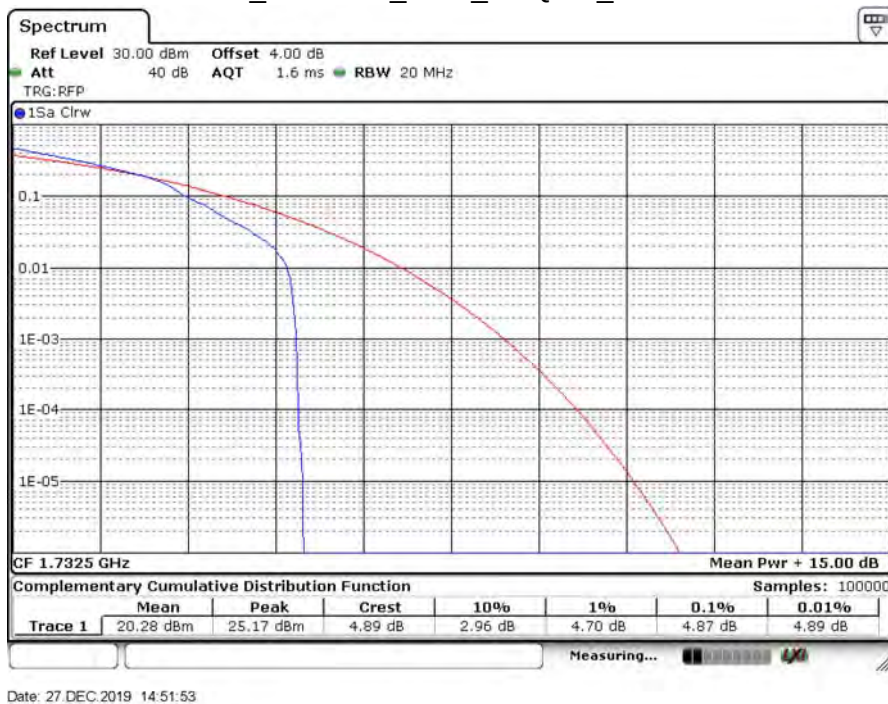
B4_CH19957_1.4M_16-QAM_1RB0



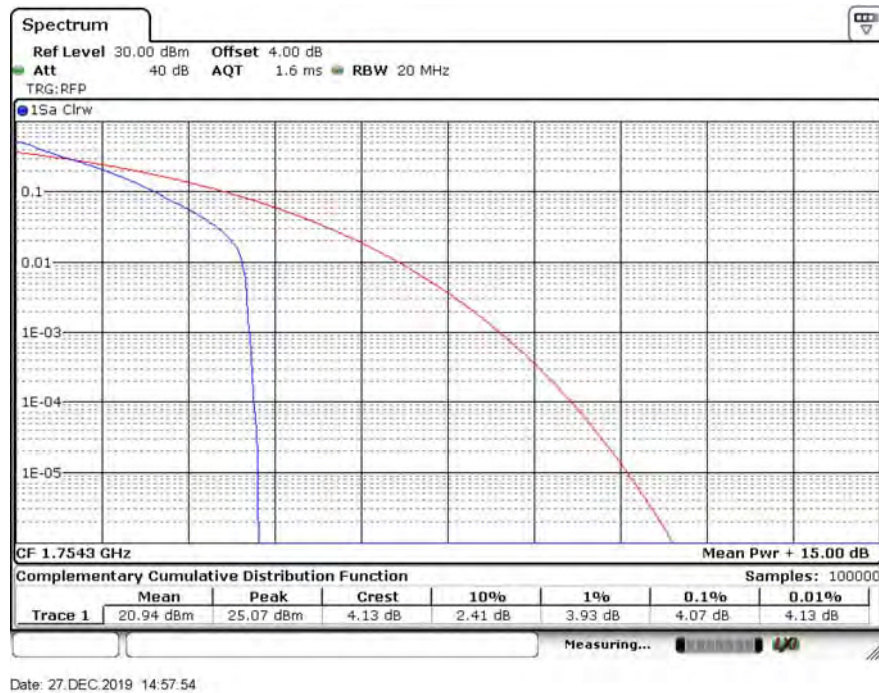
B4_CH20175_1.4M_QPSK_1RB0



B4_CH20175_1.4M_16-QAM_1RB0



B4_CH20393_1.4M_QPSK_1RB5



B4_CH20393_1.4M_16-QAM_1RB5

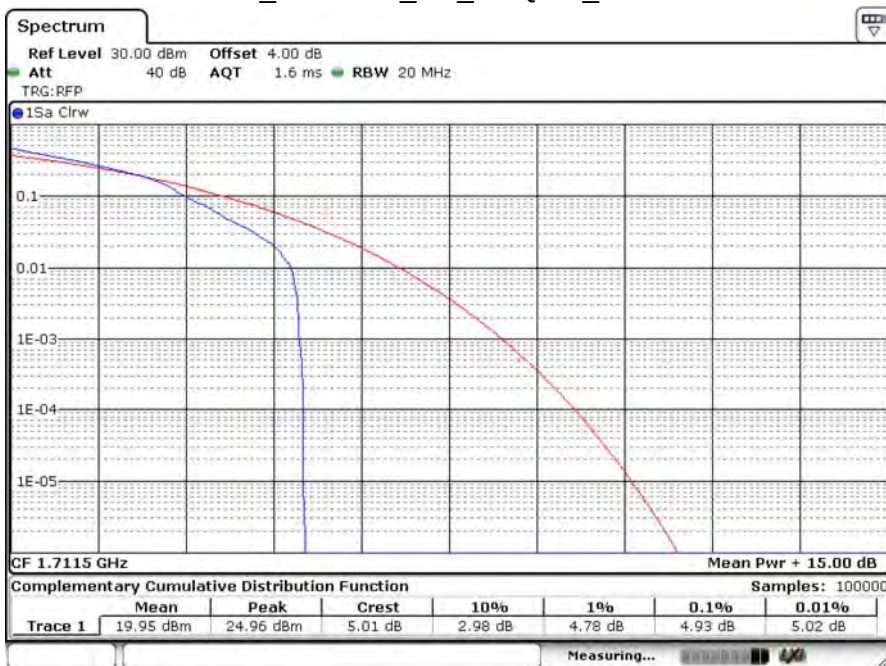


B4_CH19965_3M_QPSK_1RB0



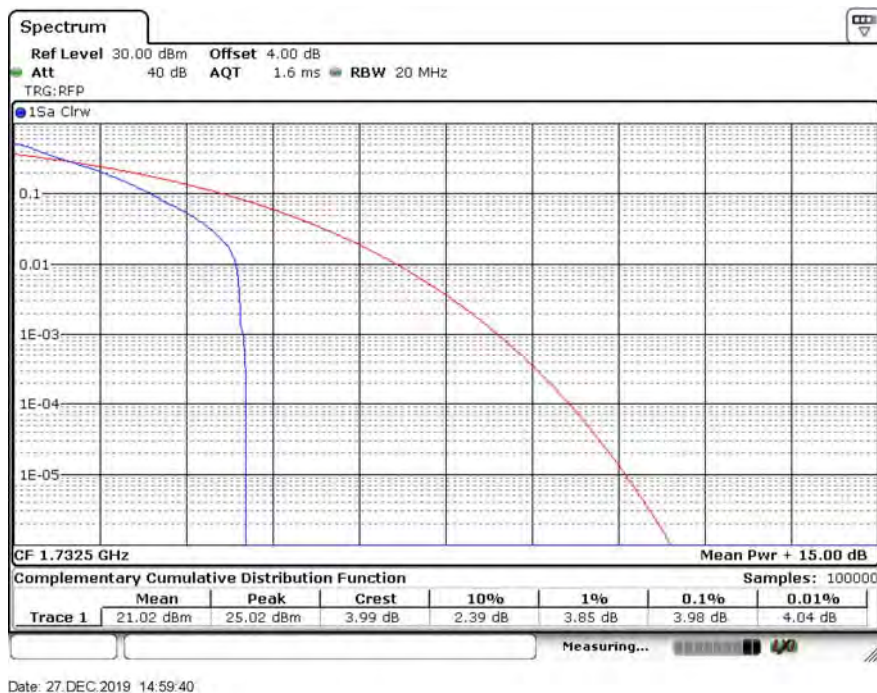
Date: 27 DEC 2019 14:58:31

B4_CH19965_3M_16-QAM_1RB0

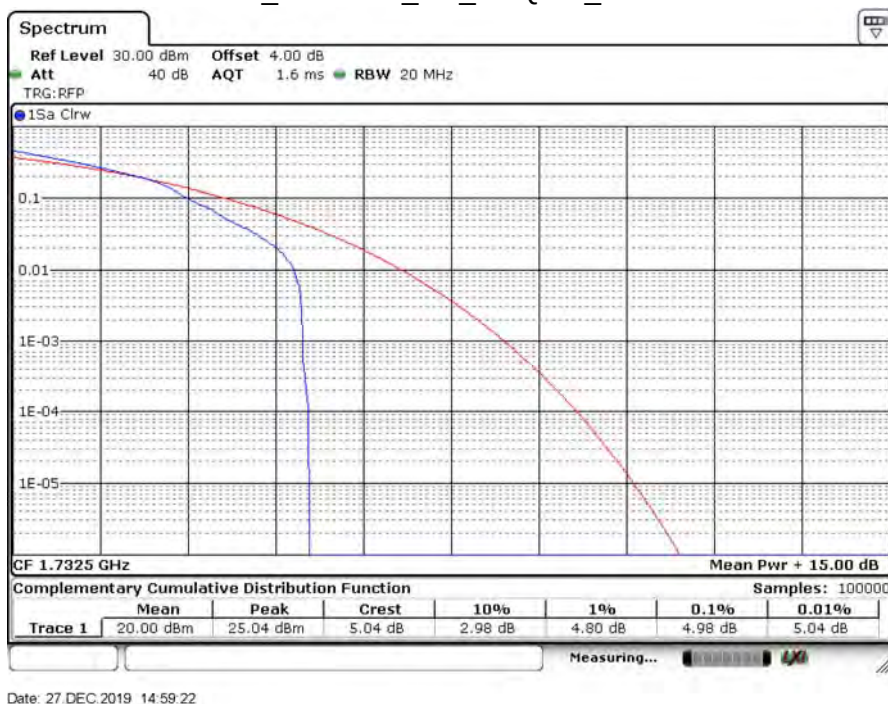


Date: 27 DEC 2019 14:58:42

B4_CH20175_3M_QPSK_1RB0



B4_CH20175_3M_16-QAM_1RB0



B4_CH20385_3M_QPSK_1RB5



B4_CH20385_3M_16-QAM_1RB5



B4_CH19975_5M_QPSK_1RB0



B4_CH19975_5M_16-QAM_1RB0



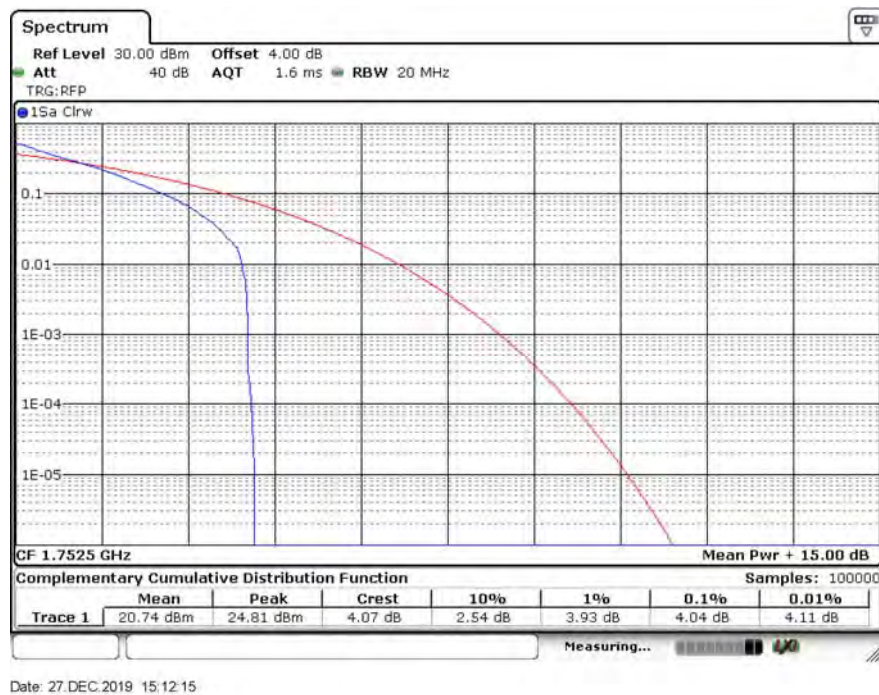
B4_CH20175_5M_QPSK_1RB0



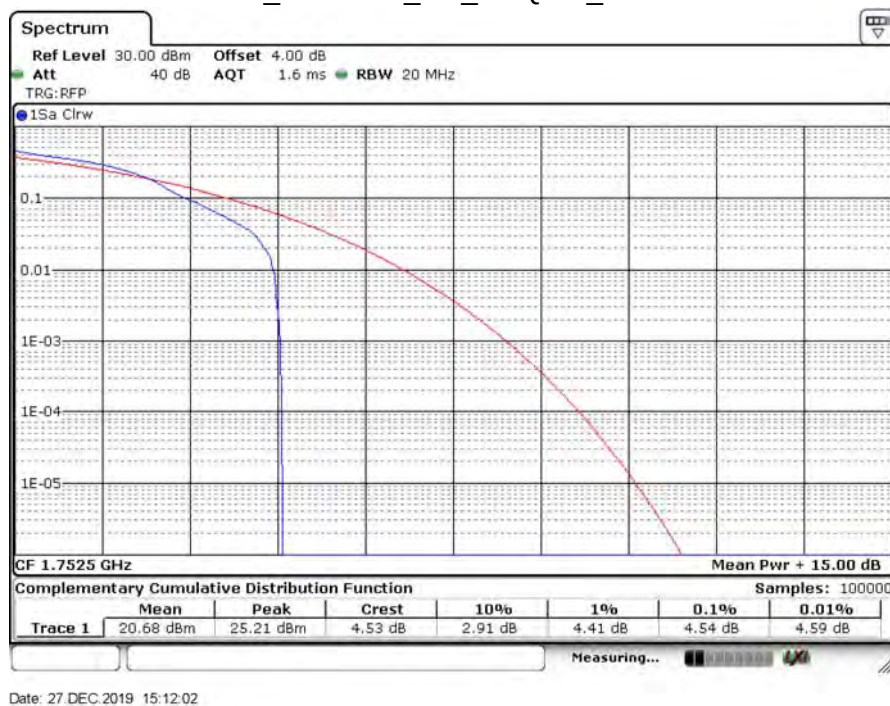
B4_CH20175_5M_16-QAM_1RB0



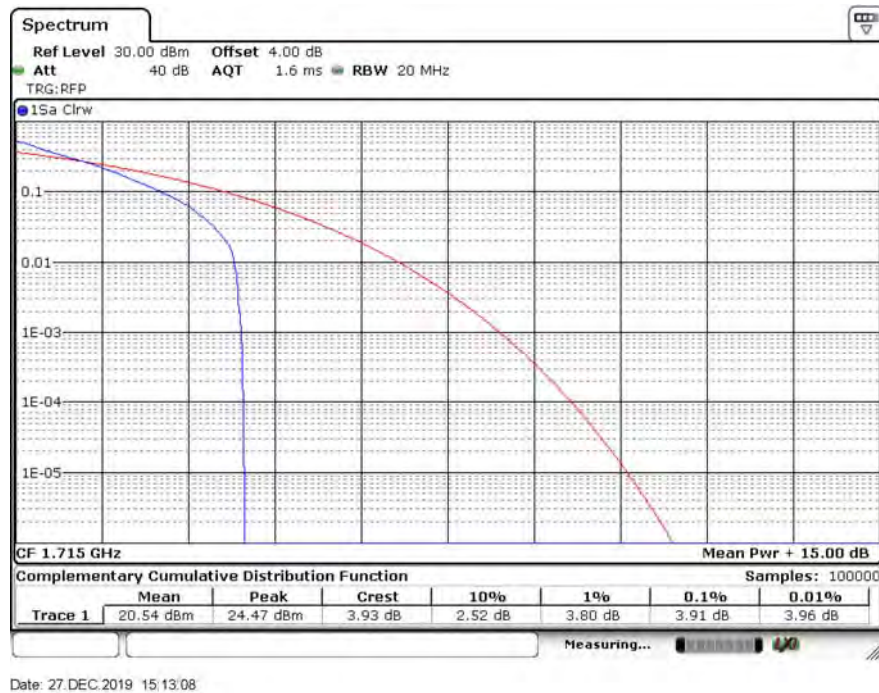
B4_CH20375_5M_QPSK_1RB5



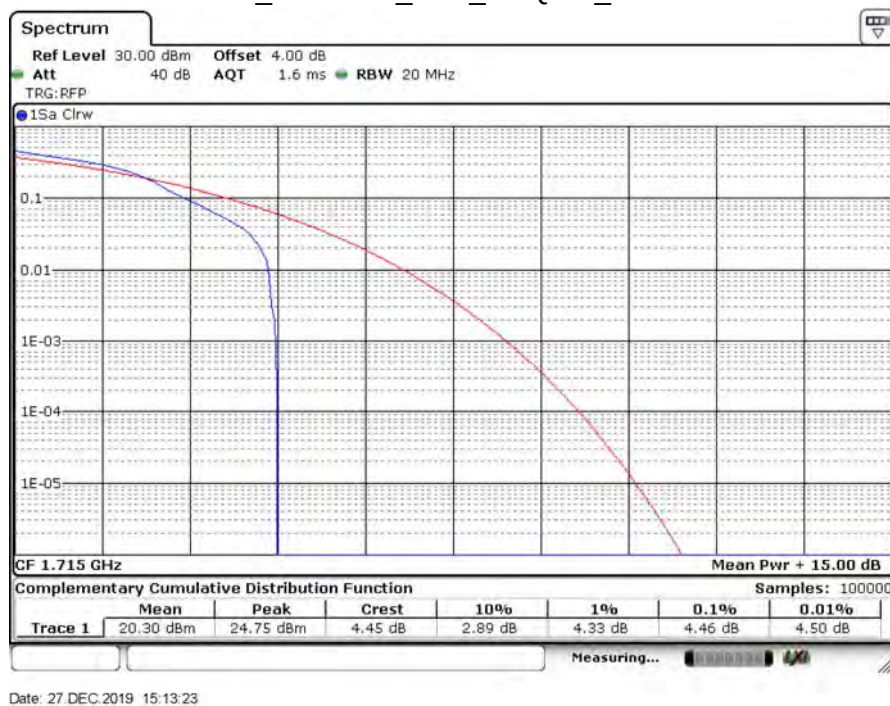
B4_CH20375_5M_16-QAM_1RB5



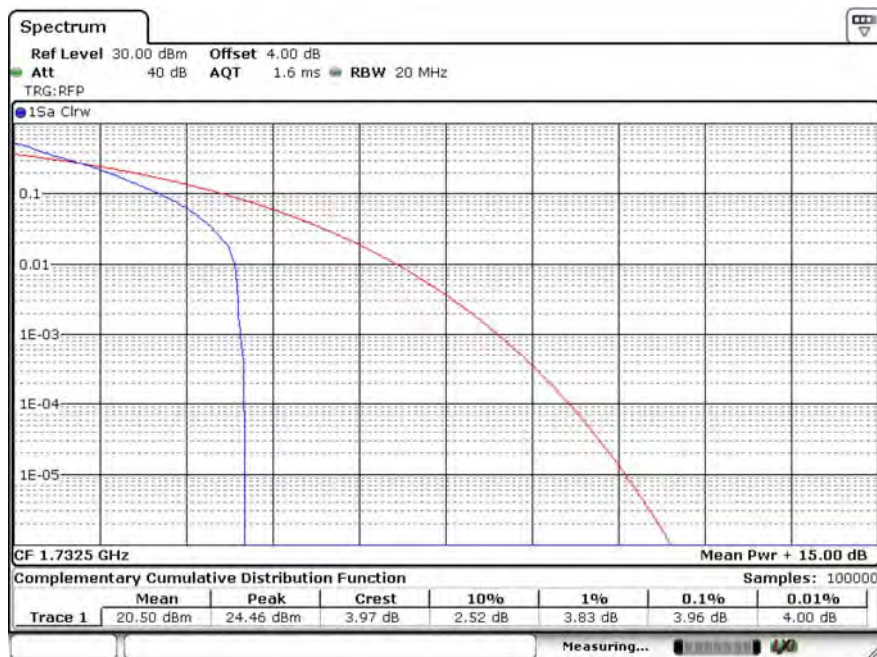
B4_CH20000_10M_QPSK_1RB0



B4_CH20000_10M_16-QAM_1RB0



B4_CH20175_10M_QPSK_1RB0



Date: 27 DEC 2019 15:14:19

B4_CH20175_10M_16-QAM_1RB0



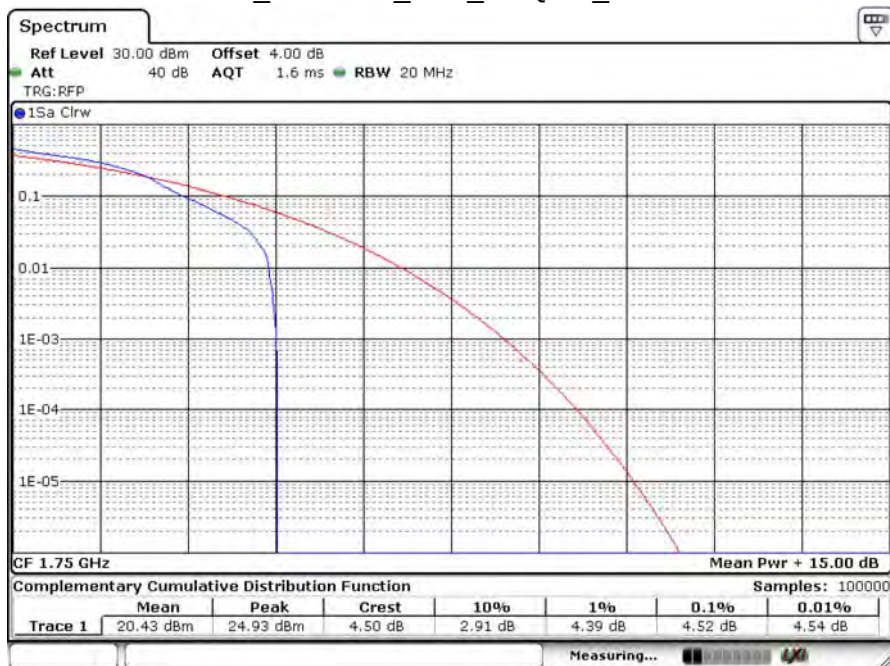
Date: 27 DEC 2019 15:13:52

B4_CH20350_10M_QPSK_1RB5



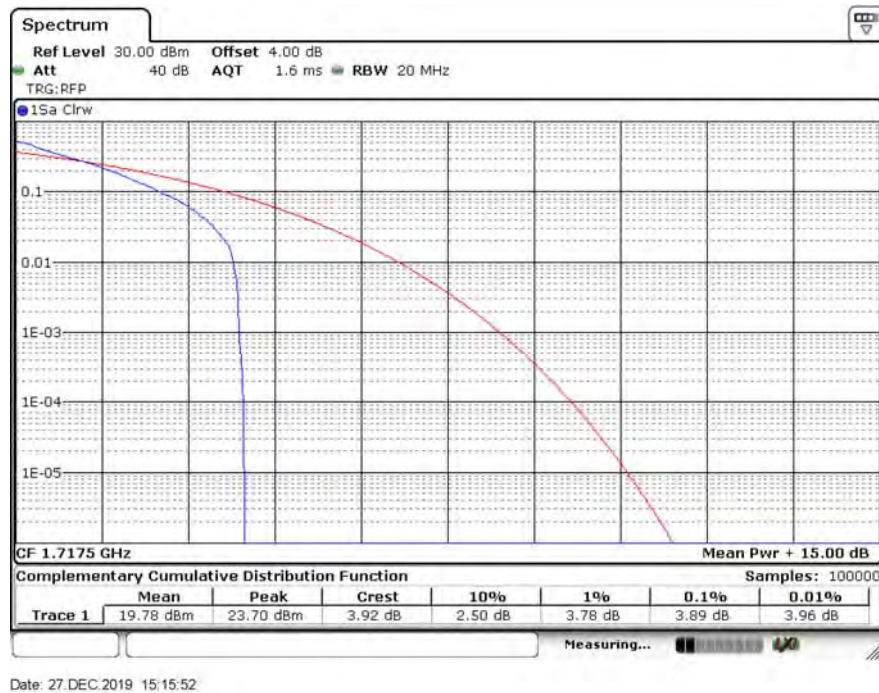
Date: 27 DEC 2019 15:14:49

B4_CH20350_10M_16-QAM_1RB5



Date: 27 DEC 2019 15:15:03

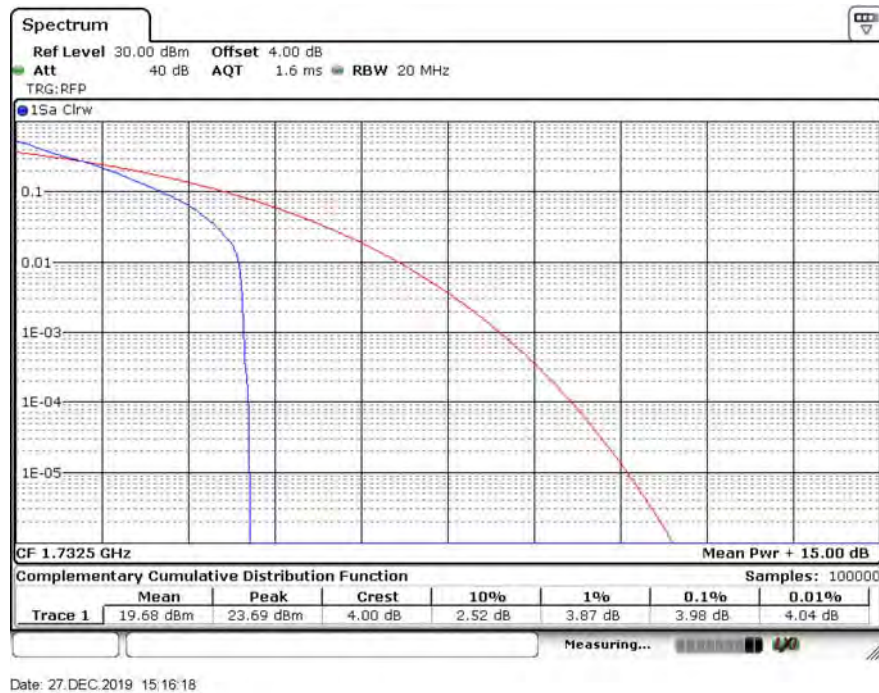
B4_CH20025_15M_QPSK_1RB0



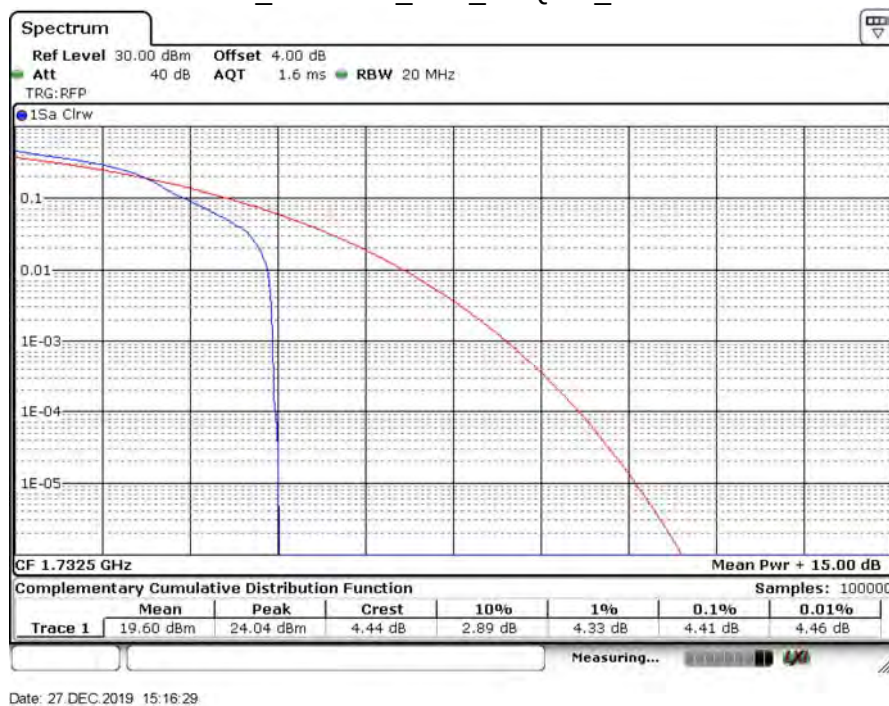
B4_CH20025_15M_16-QAM_1RB0



B4_CH20175_15M_QPSK_1RB0



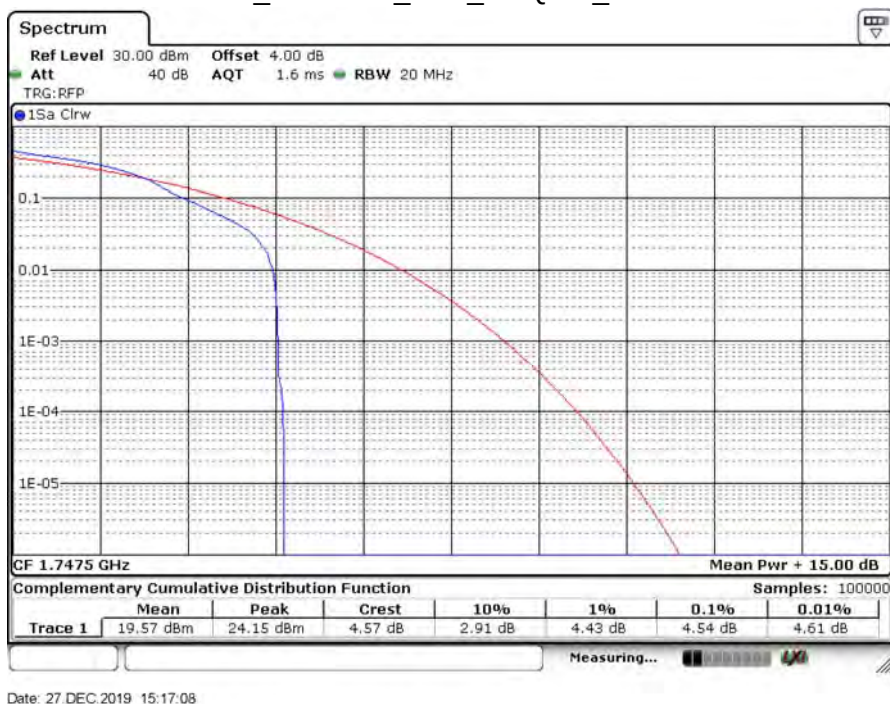
B4_CH20175_15M_16-QAM_1RB0



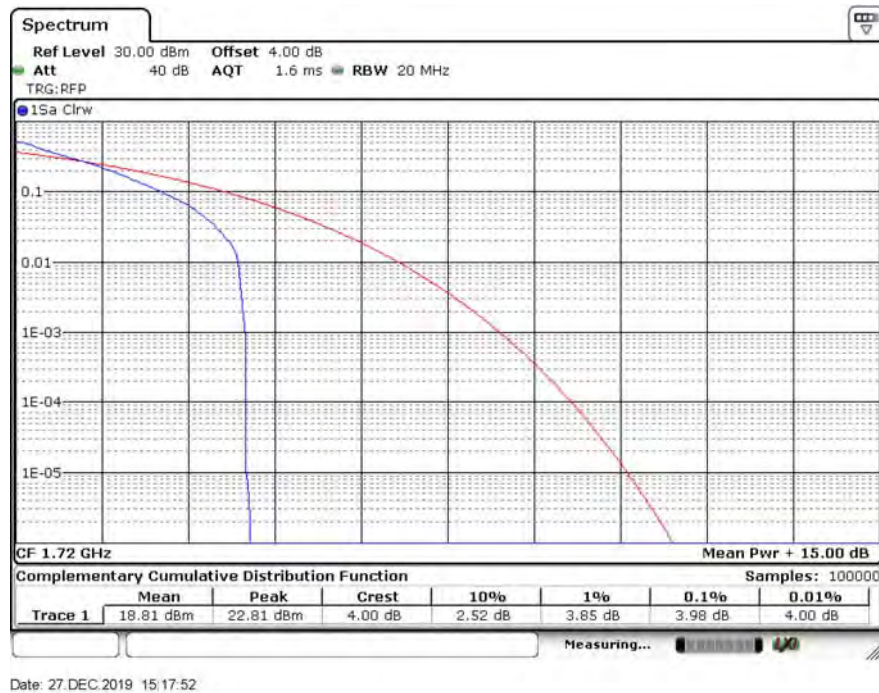
B4_CH20325_15M_QPSK_1RB5



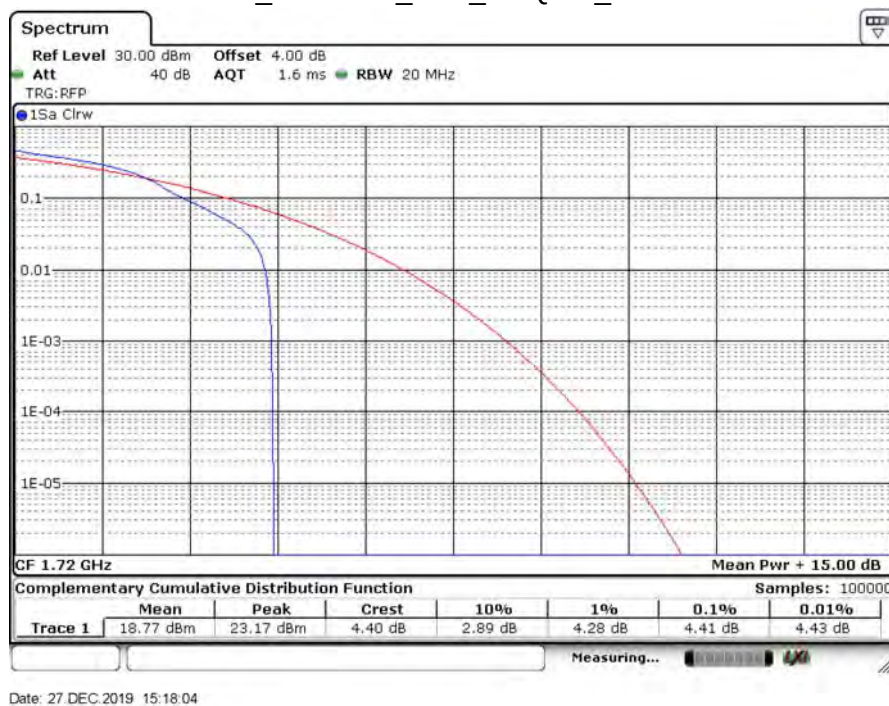
B4_CH20325_15M_16-QAM_1RB5



B4_CH20050_20M_QPSK_1RB0



B4_CH20050_20M_16-QAM_1RB0



B4_CH20175_20M_QPSK_1RB0



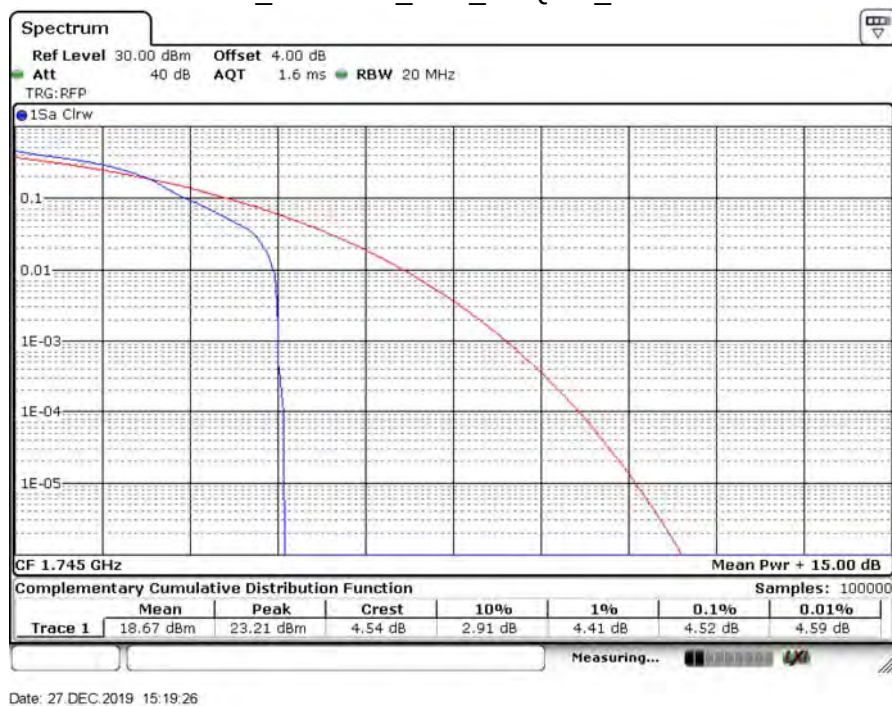
B4_CH20175_20M_16-QAM_1RB0



B4_CH20300_20M_QPSK_1RB5



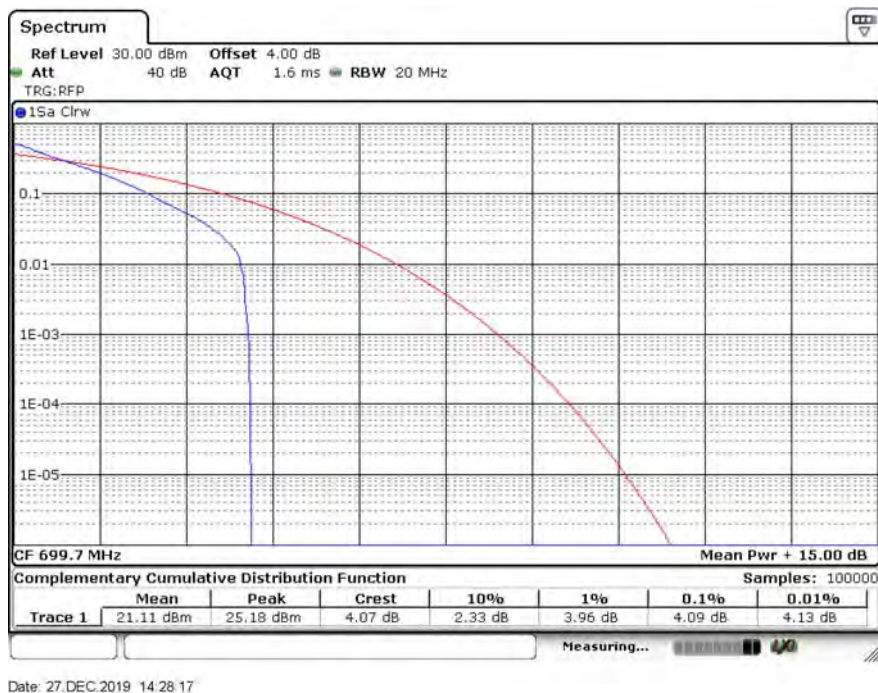
B4_CH20300_20M_16-QAM_1RB5



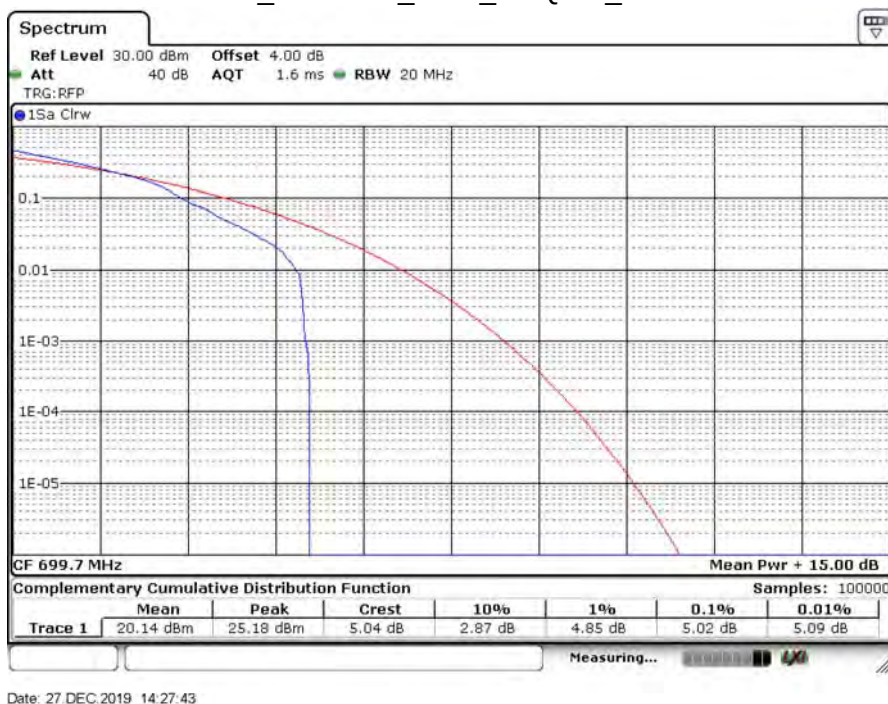
Product	M2M DATA MODULE		
Test Item	Peak To Average Ratio		
Test Mode	Mode 3: LTE Band 12		
Date of Test	2019/12/27	Test Site	SR12-H
Temperature (°C)	21.0°C	Humidity (%RH)	60%RH

Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	23017	699.7	QPSK	25.18	21.11	4.09
			16-QAM	25.18	20.14	5.02
	23095	707..5	QPSK	25.11	20.88	4.24
			16-QAM	25.35	20.29	5.04
	23173	715.3	QPSK	25.35	21.16	4.17
			16-QAM	25.64	20.59	5.02
3M	23025	700.5	QPSK	25.27	21.22	4.07
			16-QAM	25.17	20.12	5.00
	23095	707..5	QPSK	25.28	21.22	4.13
			16-QAM	25.37	20.33	5.00
	23165	714.5	QPSK	25.50	21.40	4.07
			16-QAM	25.54	20.53	4.98
5M	23035	701.5	QPSK	25.15	21.08	4.04
			16-QAM	25.31	20.69	4.63
	23095	707..5	QPSK	25.21	21.14	4.04
			16-QAM	25.43	20.78	4.65
	23155	713.5	QPSK	25.32	21.26	4.07
			16-QAM	25.55	20.91	4.63
10M	23060	704	QPSK	24.63	20.58	4.07
			16-QAM	24.94	20.29	4.65
	23095	707..5	QPSK	24.76	20.71	4.04
			16-QAM	25.03	20.38	4.65
	23130	711	QPSK	25.02	20.94	4.04
			16-QAM	25.28	20.69	4.57

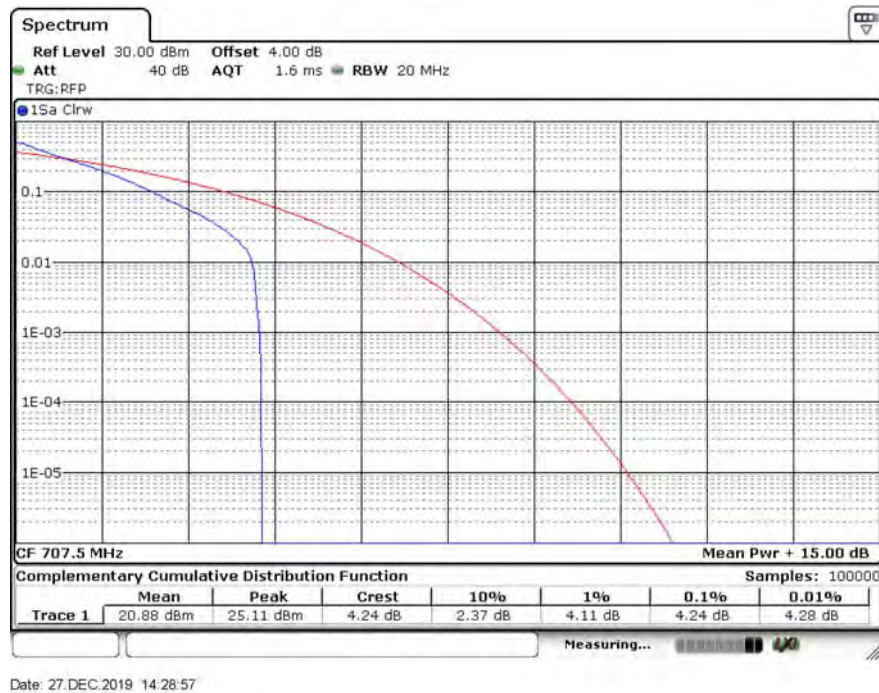
B12_CH23017_1.4M_QPSK_1RB0



B12_CH23017_1.4M_16-QAM_1RB0



B12_CH23095_1.4M_QPSK_1RB0



B12_CH23095_1.4M_16-QAM_1RB0



B12_CH23173_1.4M_QPSK_1RB5



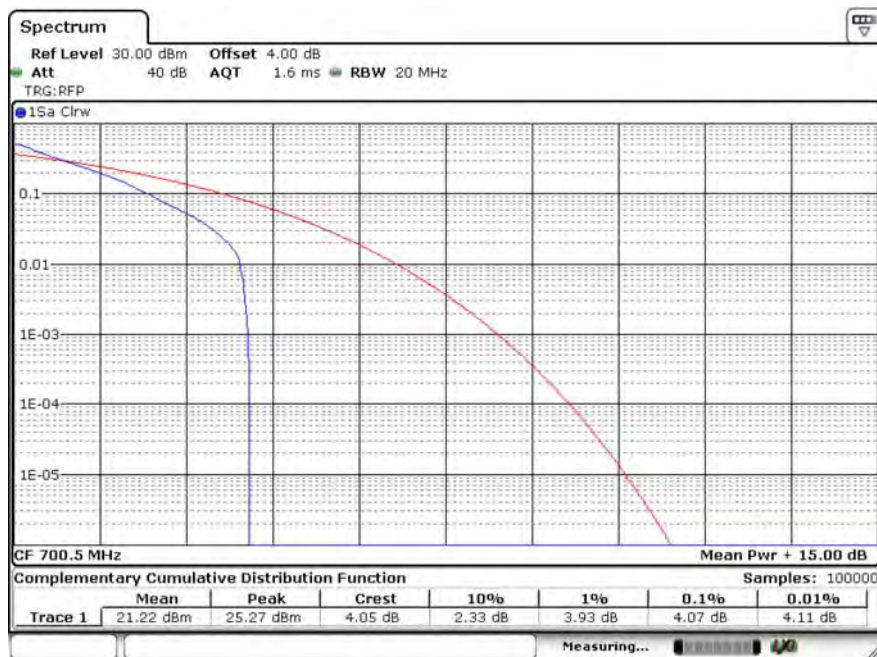
Date: 27 DEC 2019 14:30:19

B12_CH23173_1.4M_16-QAM_1RB5



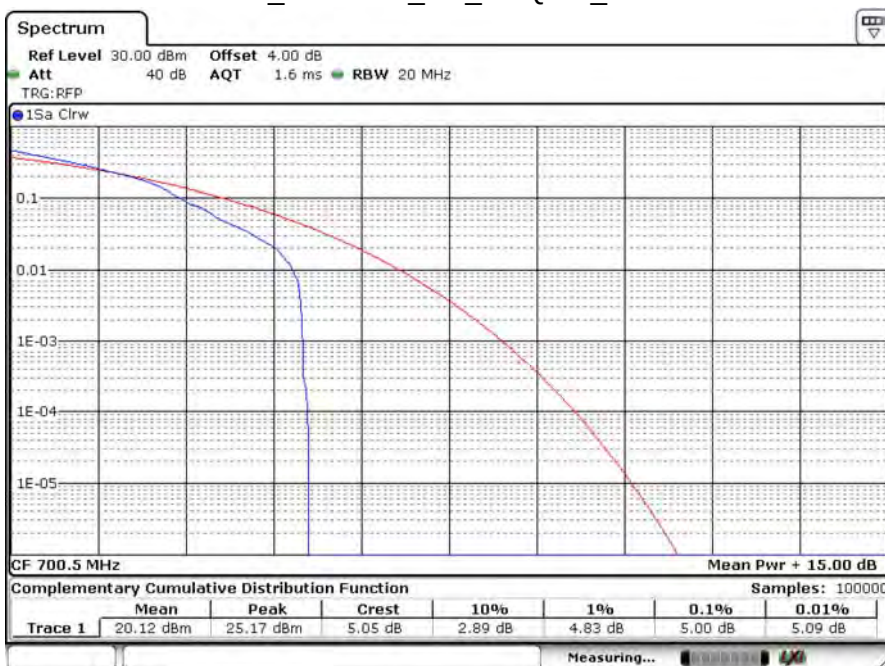
Date: 27 DEC 2019 14:30:00

B12_CH23025_3M_QPSK_1RB0



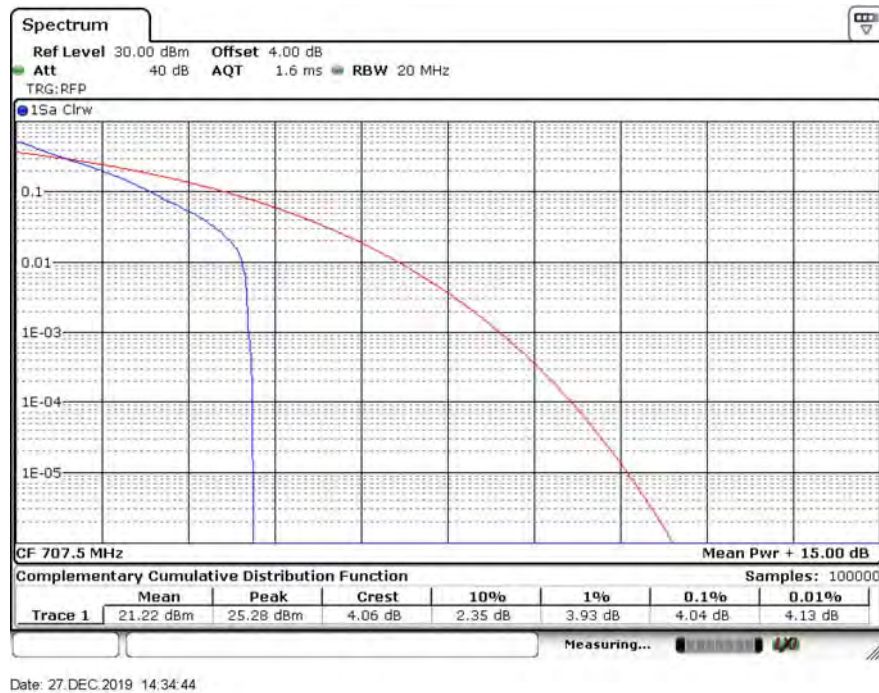
Date: 27 DEC 2019 14:33:11

B12_CH23025_3M_16-QAM_1RB0

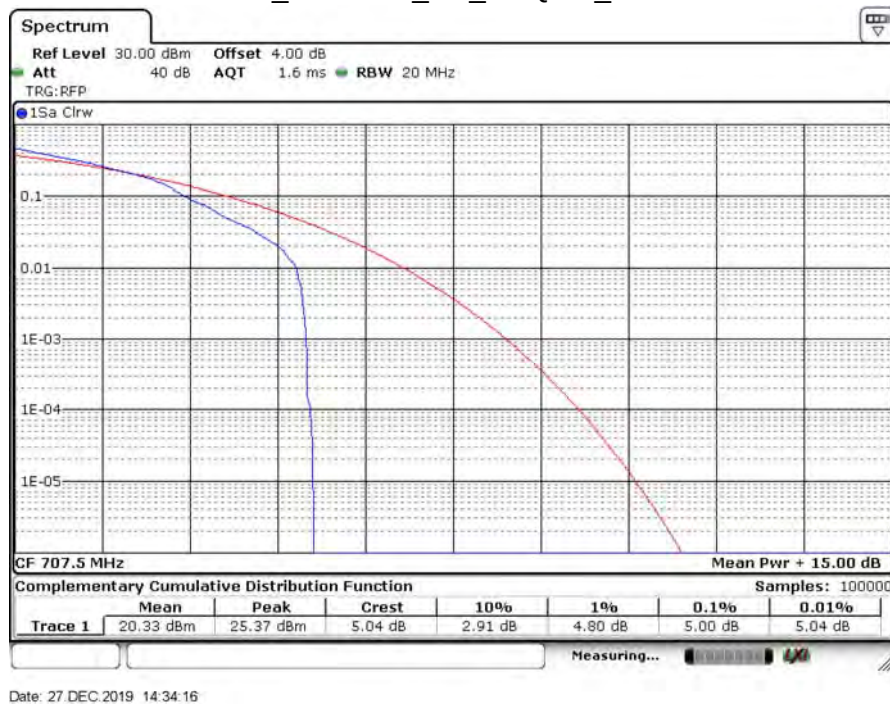


Date: 27 DEC 2019 14:33:27

B12_CH23095_3M_QPSK_1RB0



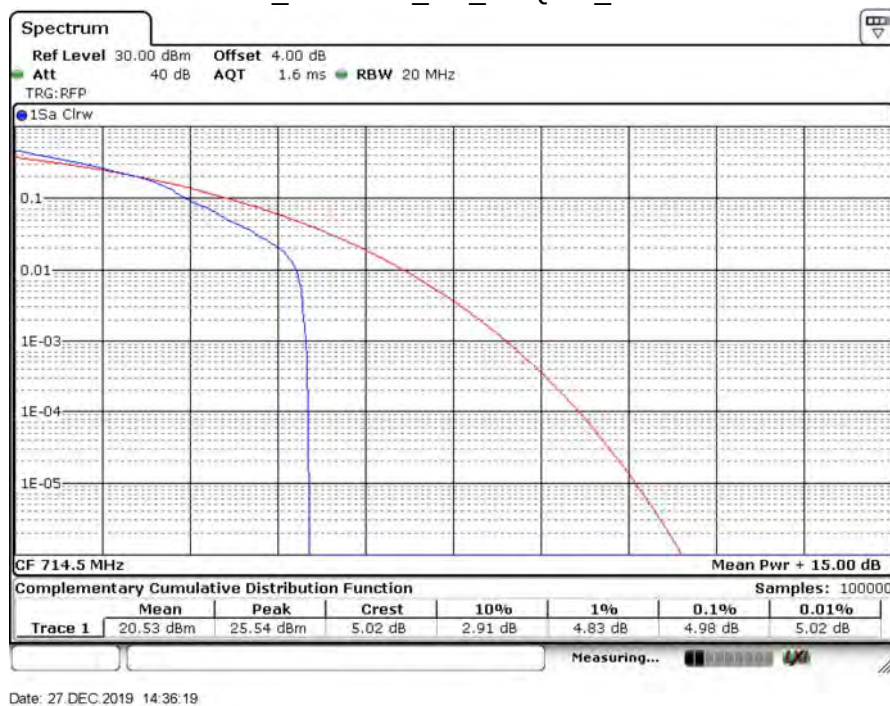
B12_CH23095_3M_16-QAM_1RB0



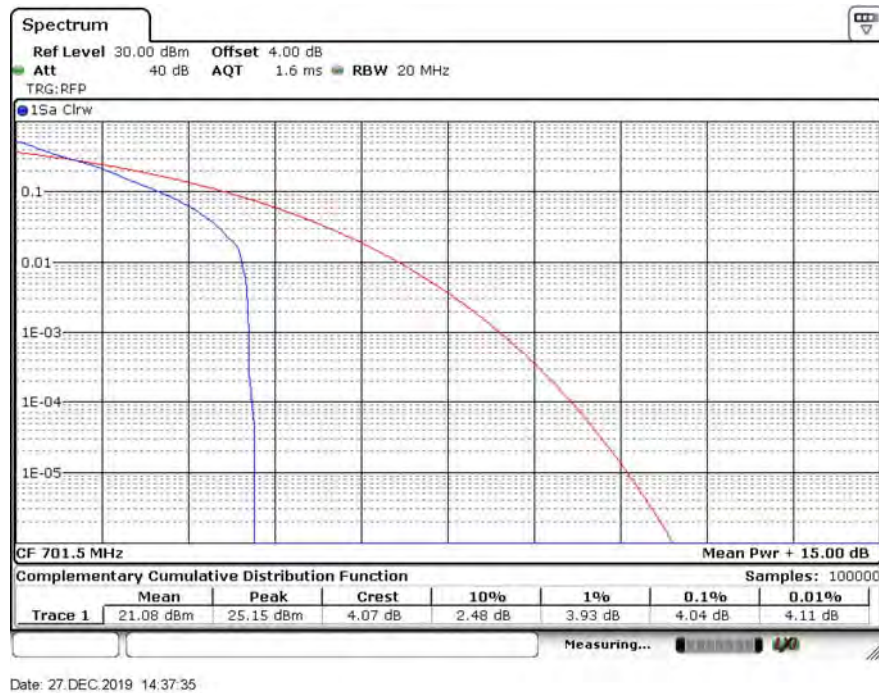
B12_CH23165_3M_QPSK_1RB5



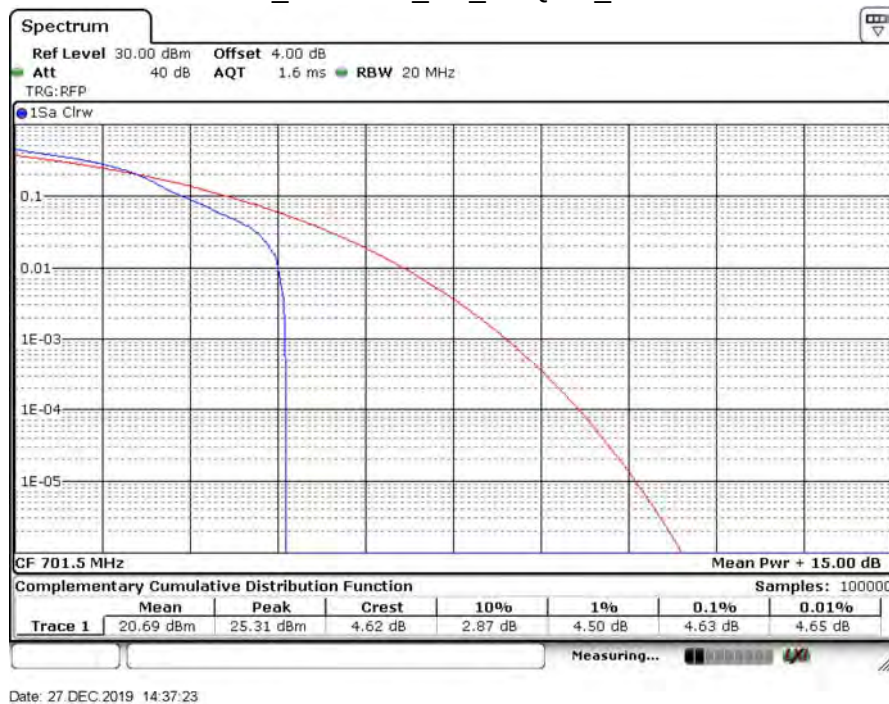
B12_CH23165_3M_16-QAM_1RB5



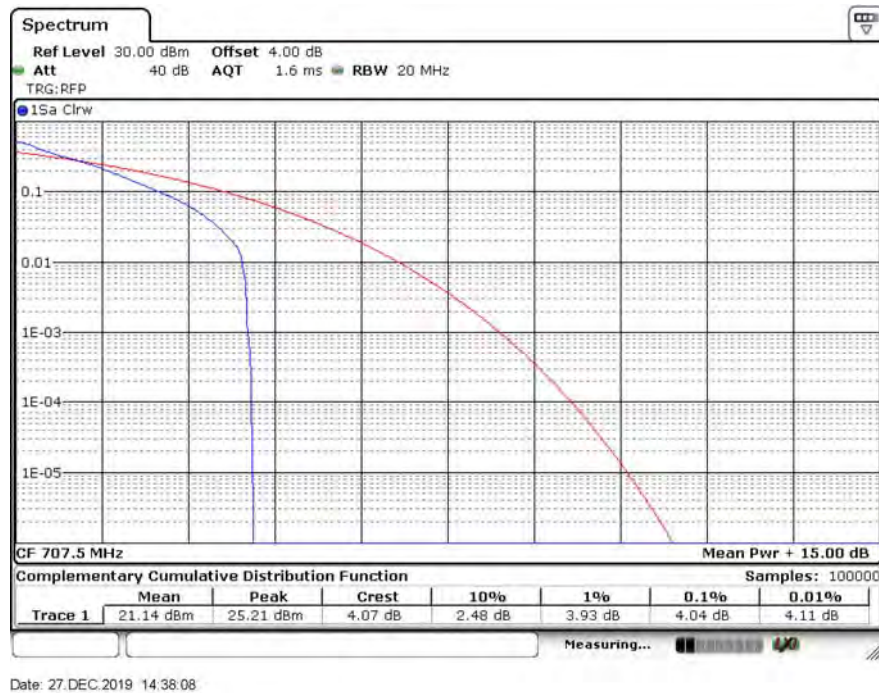
B12_CH23035_5M_QPSK_1RB0



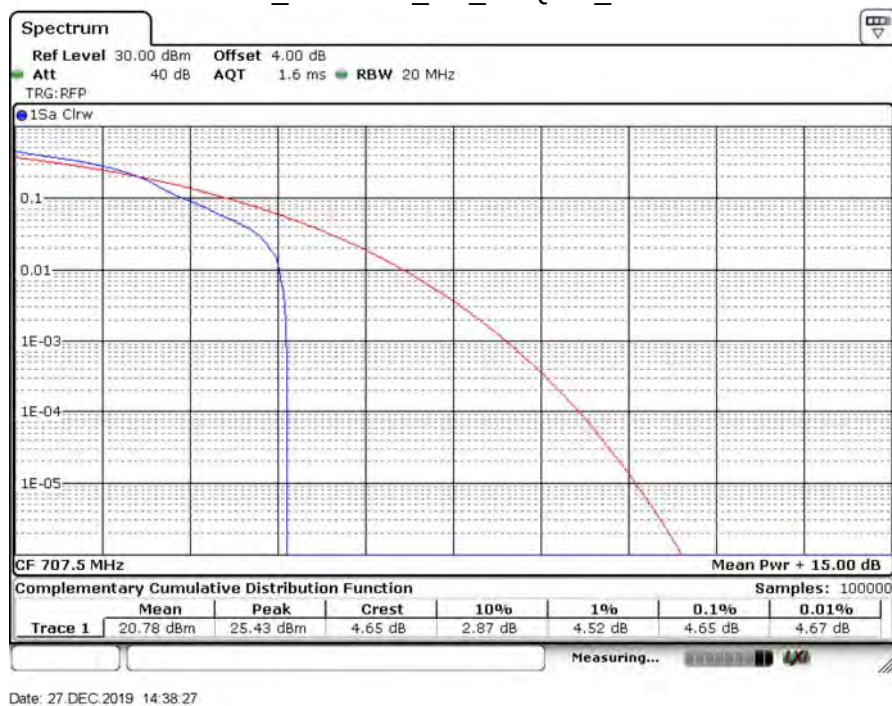
B12_CH23035_5M_16-QAM_1RB0



B12_CH23095_5M_QPSK_1RB0



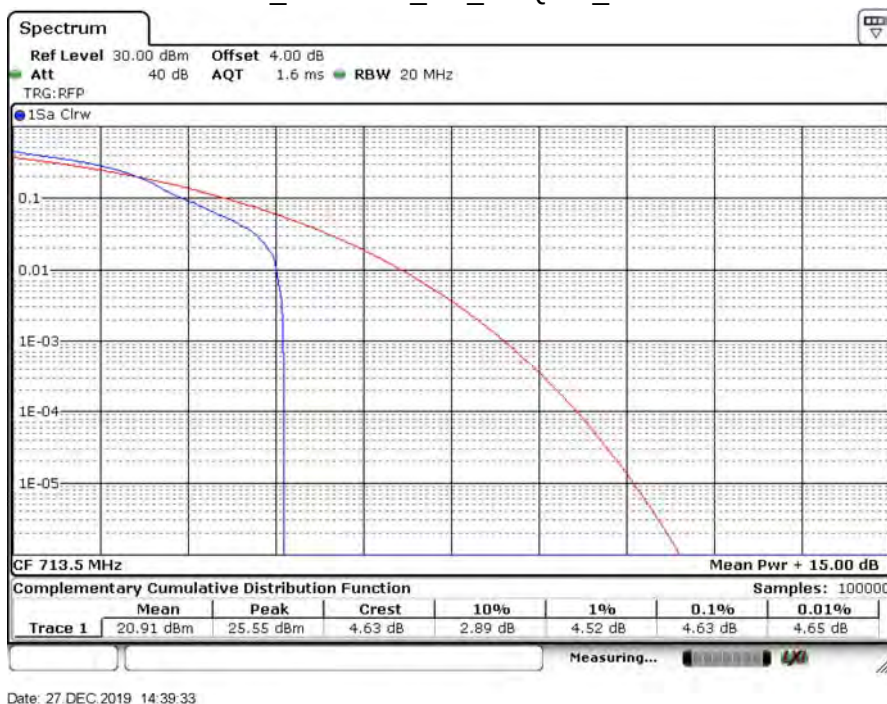
B12_CH23095_5M_16-QAM_1RB0



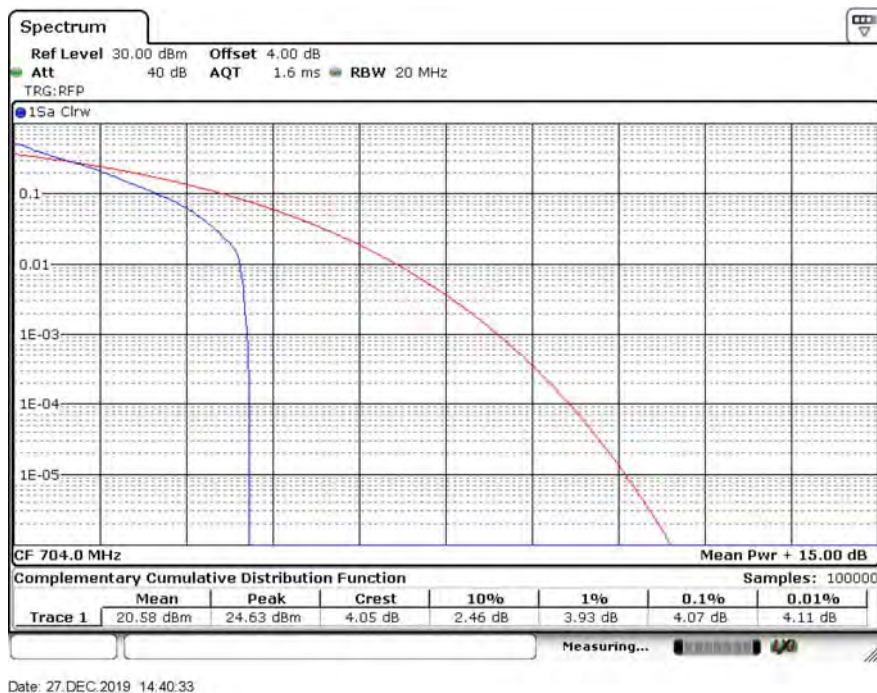
B12_CH23155_5M_QPSK_1RB5



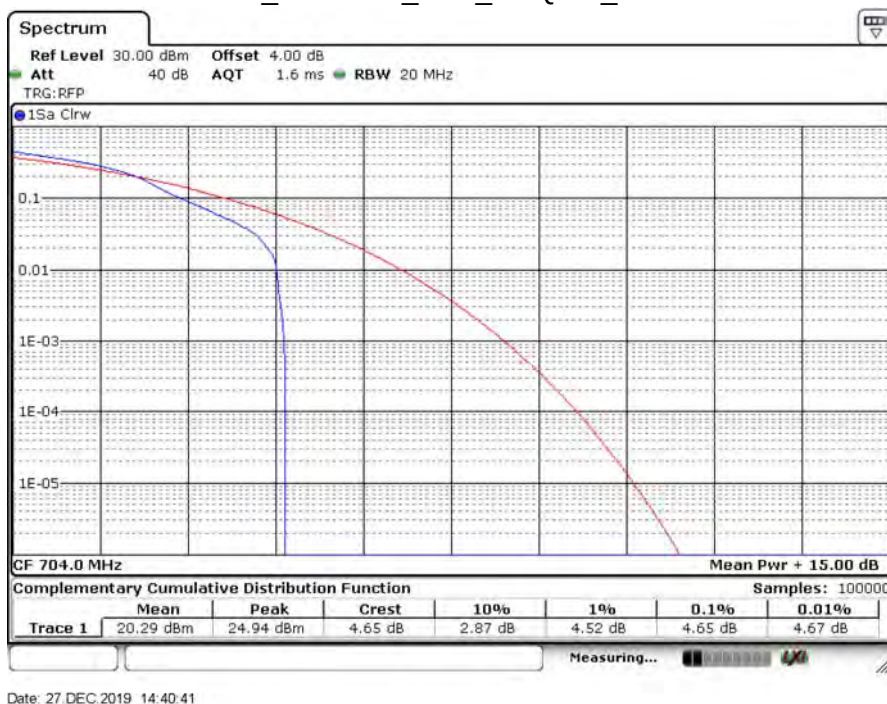
B12_CH23155_5M_16-QAM_1RB5



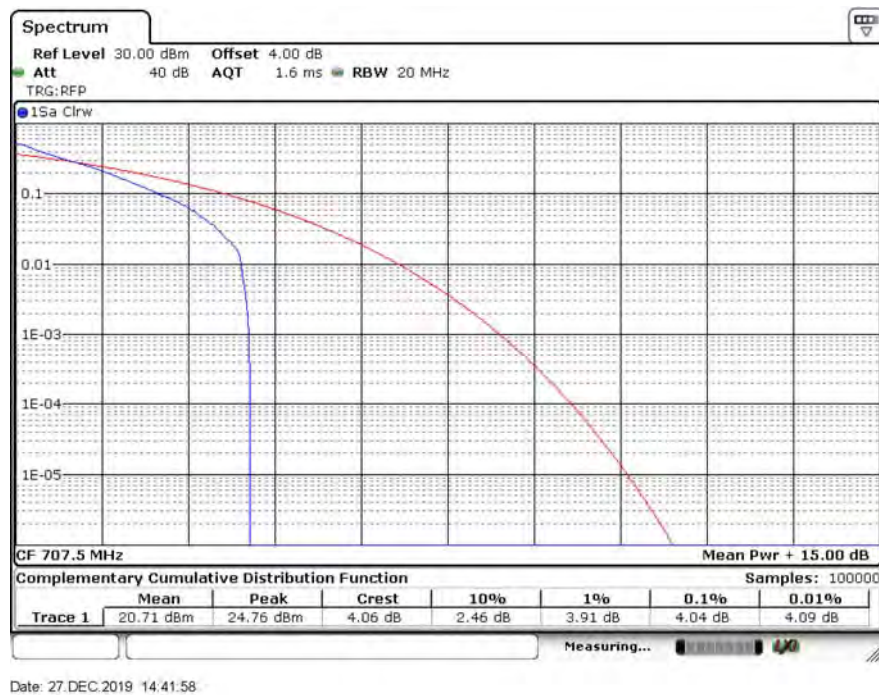
B12_CH23060_10M_QPSK_1RB0



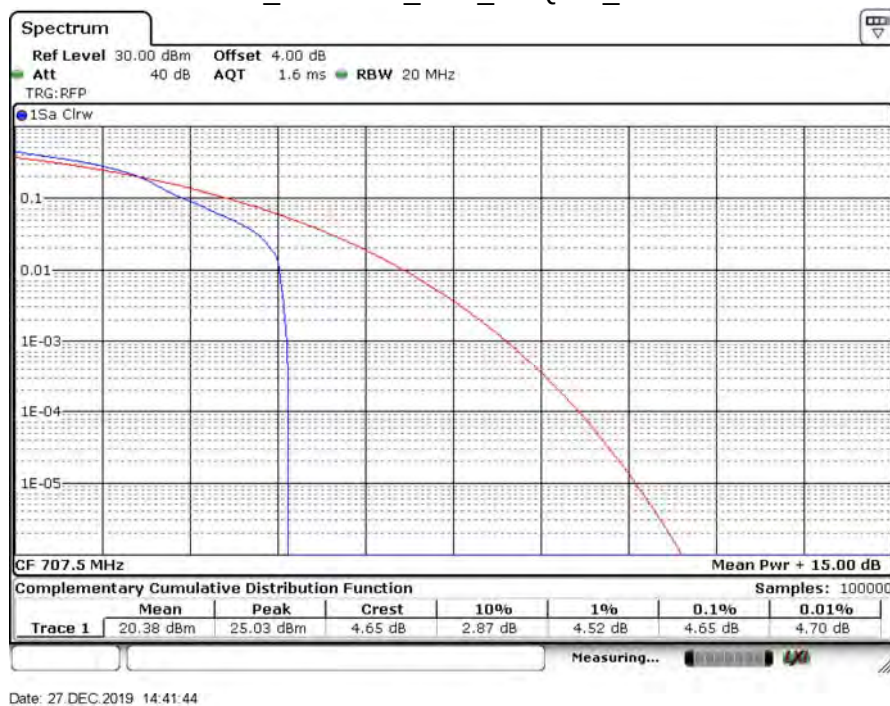
B12_CH23060_10M_16-QAM_1RB0



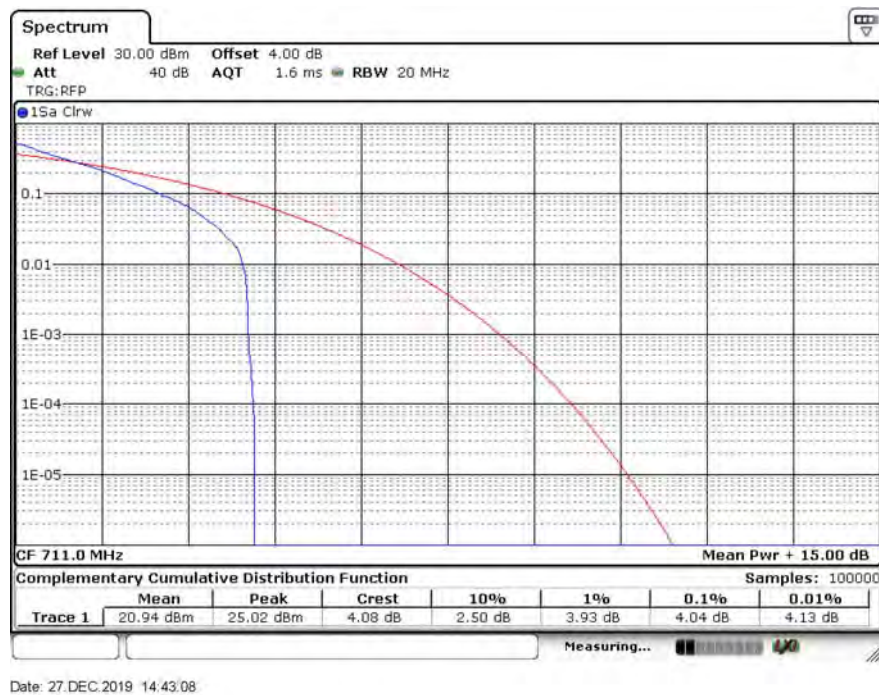
B12_CH23095_10M_QPSK_1RB0



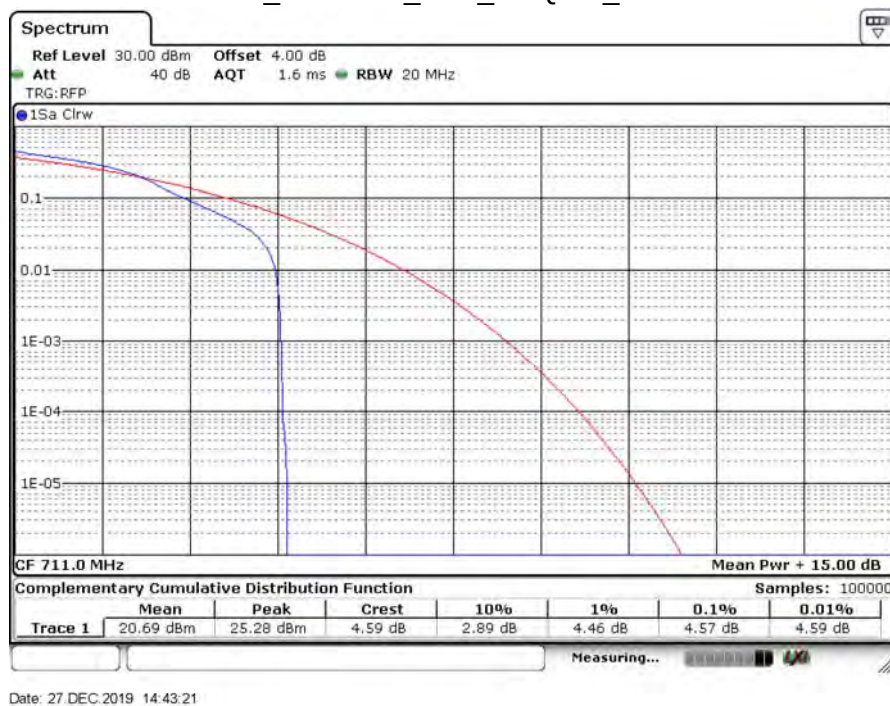
B12_CH23095_10M_16-QAM_1RB0



B12_CH23130_10M_QPSK_1RB5



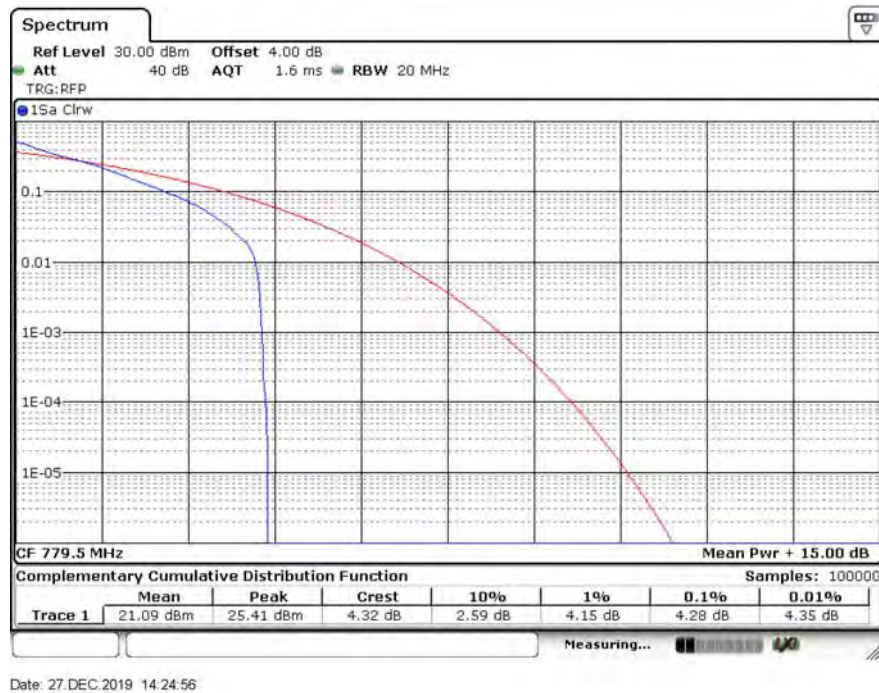
B12_CH23130_10M_16-QAM_1RB5



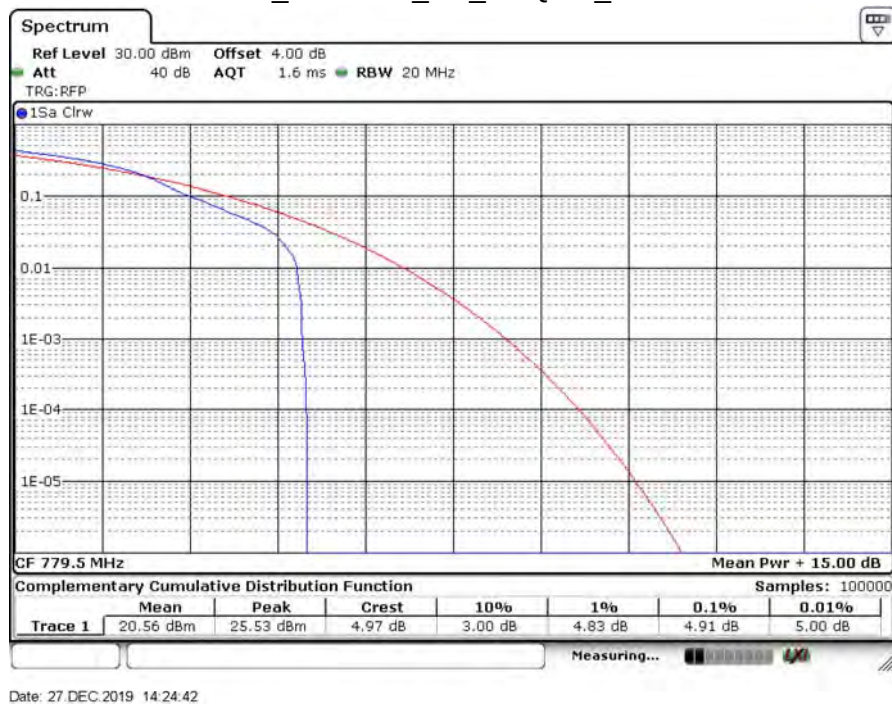
Product	M2M DATA MODULE		
Test Item	Peak To Average Ratio		
Test Mode	Mode 4: LTE Band 13		
Date of Test	2019/12/27	Test Site	SR12-H
Temperature (°C)	21.0°C	Humidity (%RH)	60%RH

Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
5M	23205	779.5	QPSK	25.41	21.09	4.28
			16-QAM	25.53	20.56	4.91
	23230	782	QPSK	25.43	21.15	4.24
			16-QAM	25.57	20.71	4.85
	23255	784.5	QPSK	25.17	20.84	4.33
			16-QAM	25.44	20.56	4.89
10M	23230	782 low	QPSK	24.80	20.46	4.33
			16-QAM	24.98	20.05	4.93
	23095	782 high	QPSK	24.84	20.54	4.26
			16-QAM	25.04	20.13	4.87

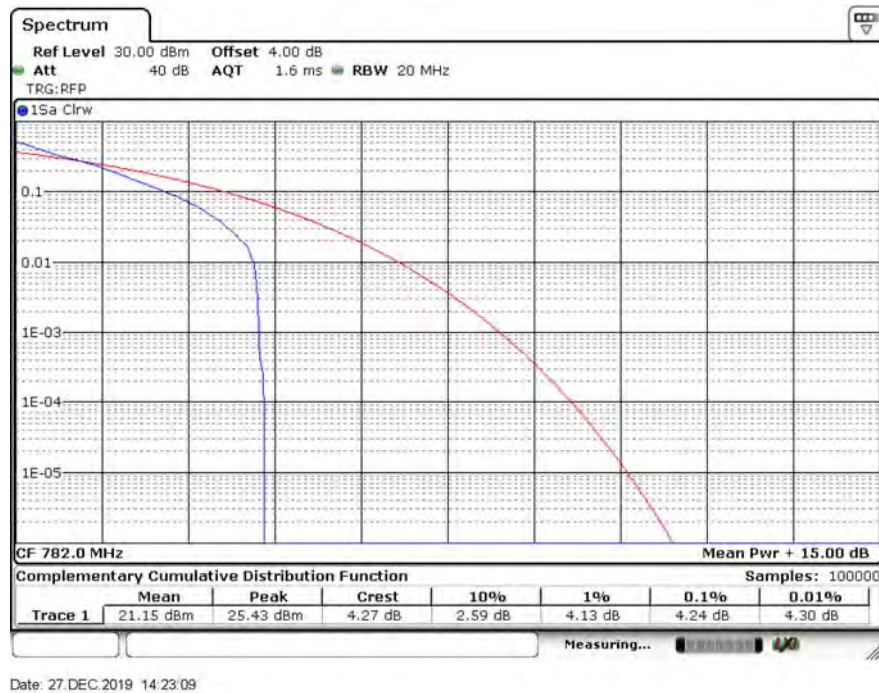
B13_CH23205_5M_QPSK_1RB0



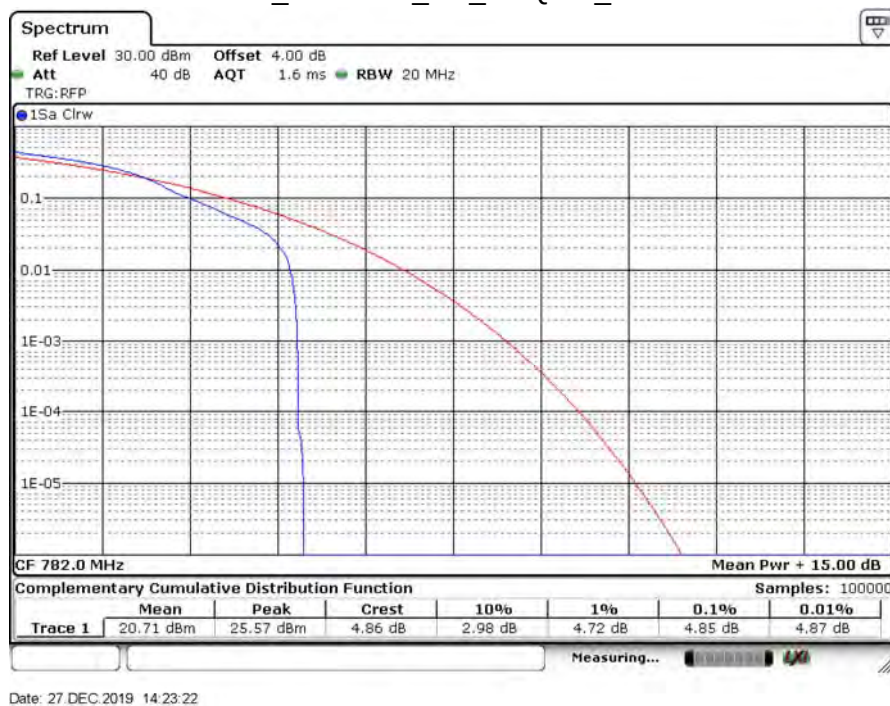
B13_CH23205_5M_16-QAM_1RB0



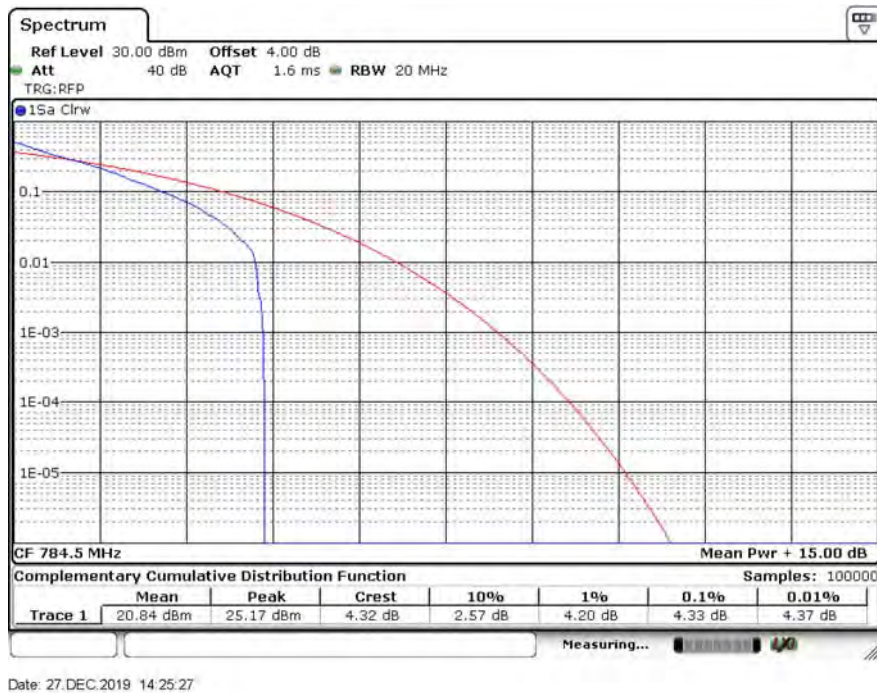
B13_CH23230_5M_QPSK_1RB0



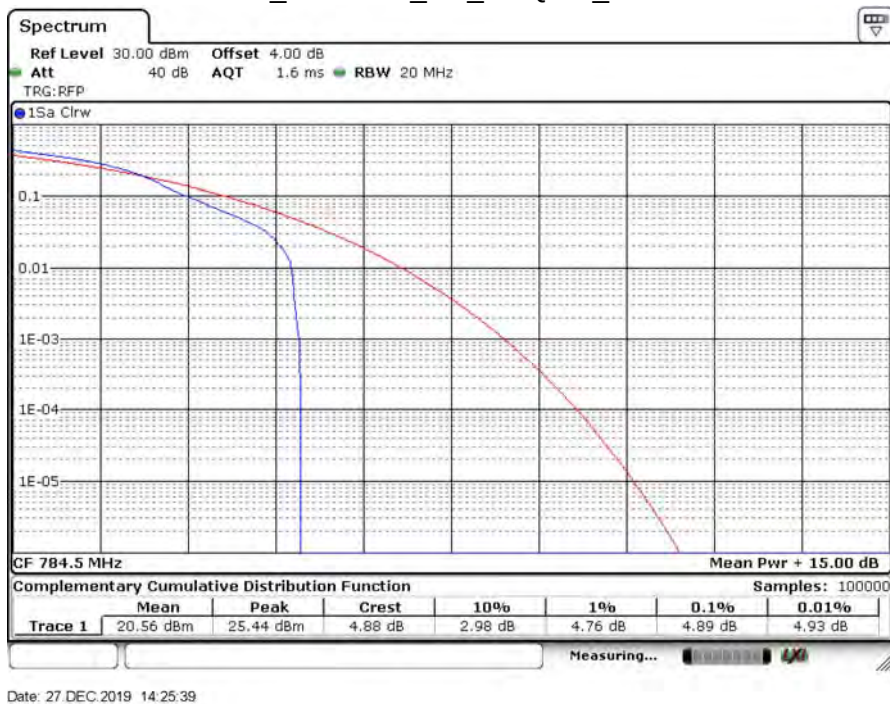
B13_CH23230_5M_16-QAM_1RB0



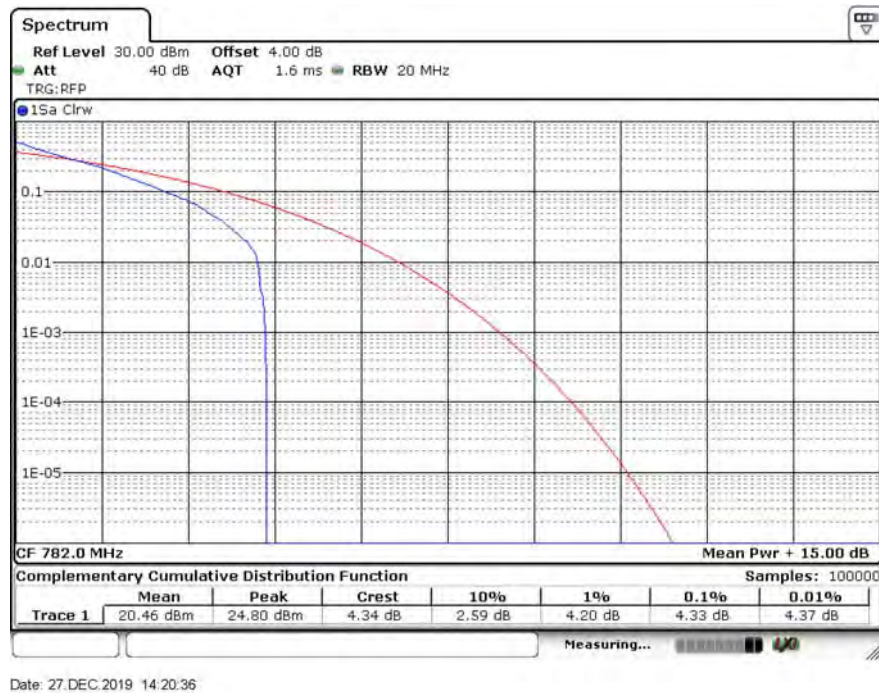
B13_CH23255_5M_QPSK_1RB5



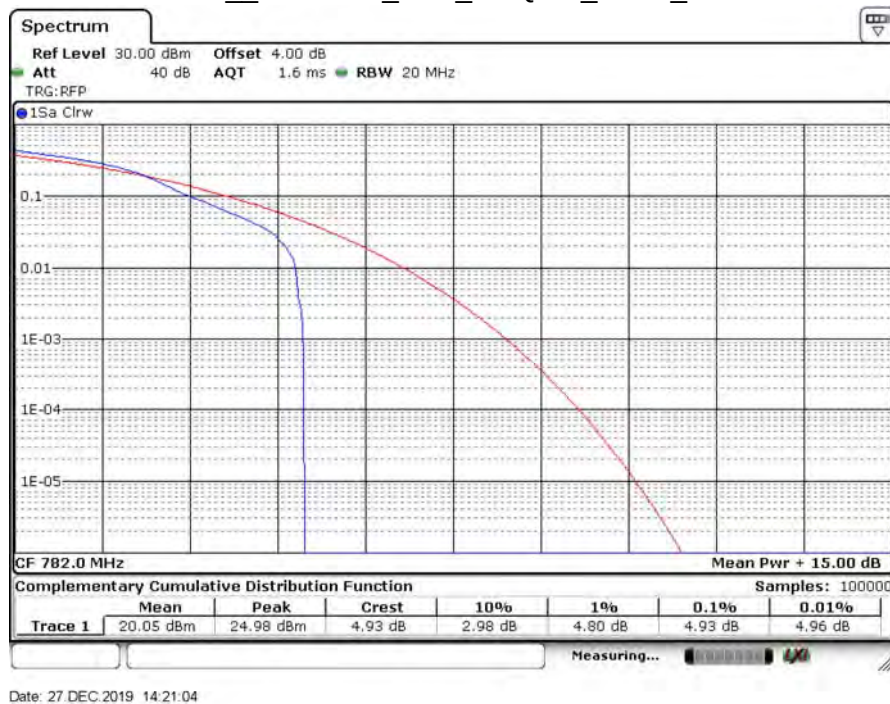
B13_CH23255_5M_16-QAM_1RB5



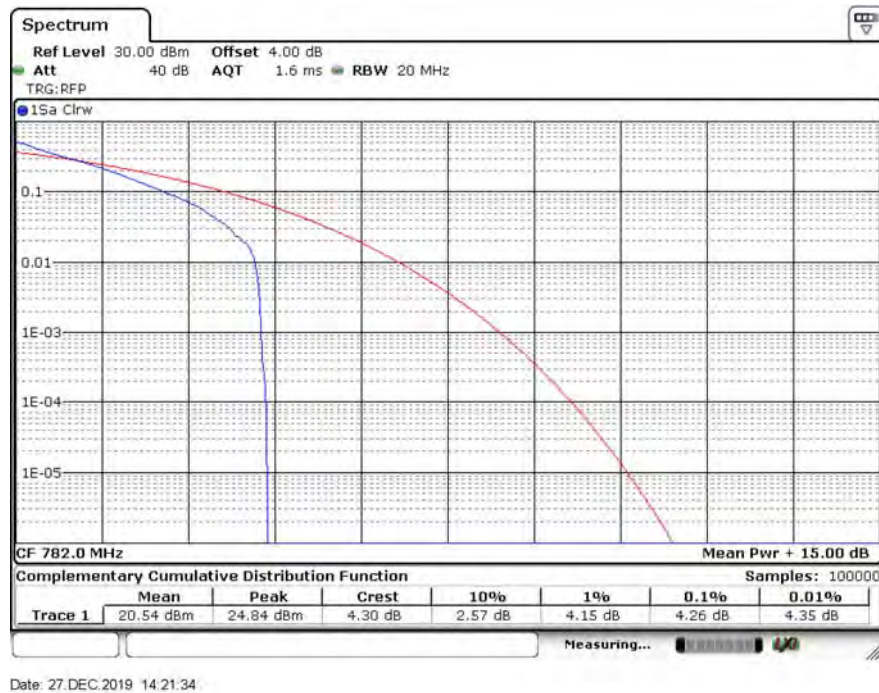
B13__CH23230_10M_QPSK_1RB0_low



B13__CH23230_10M_16-QAM_1RB0_low



B13_CH23230_10M_QPSK_1RB5_high



B13_CH23230_10M_16-QAM_1RB5_high

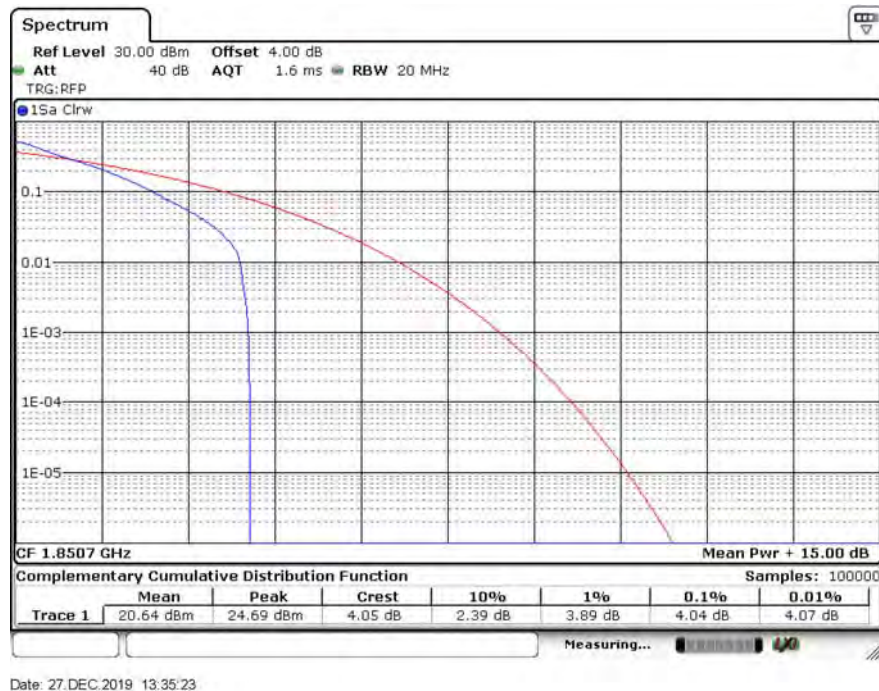


Product	M2M DATA MODULE		
Test Item	Peak To Average Ratio		
Test Mode	Mode 5: LTE Band 25		
Date of Test	2019/12/27	Test Site	SR12-H
Temperature (°C)	21.0°C	Humidity (%RH)	60%RH

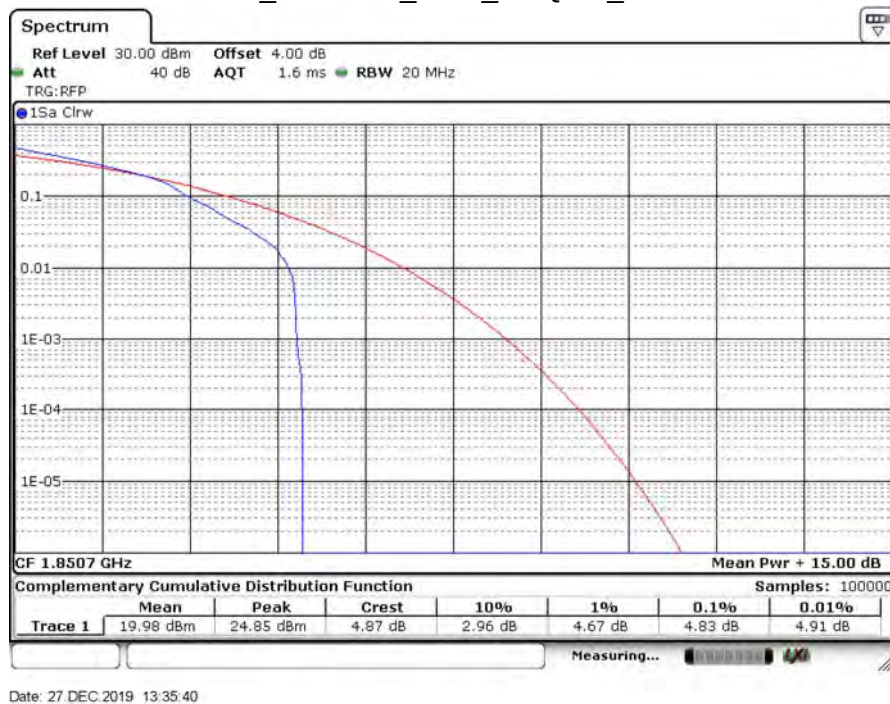
Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	26047	1850.7	QPSK	24.69	20.64	4.04
			16-QAM	24.85	19.98	4.83
	26365	1882.5	QPSK	24.88	20.92	4.00
			16-QAM	24.90	19.94	4.91
	26683	1914.3	QPSK	24.99	20.98	4.00
			16-QAM	25.02	20.07	4.96
3M	26055	1851.5	QPSK	24.67	20.67	3.98
			16-QAM	24.73	19.74	4.93
	26365	1882.5	QPSK	24.77	20.77	3.98
			16-QAM	24.82	19.84	4.91
	26675	1913.5	QPSK	24.72	20.61	4.09
			16-QAM	24.77	19.75	5.02
5M	26065	1852.5	QPSK	24.57	20.57	3.96
			16-QAM	24.85	20.34	4.48
	26365	1882.5	QPSK	24.63	20.59	3.98
			16-QAM	24.97	20.43	4.52
	26665	1912.5	QPSK	24.56	20.47	4.07
			16-QAM	24.93	20.37	4.54
10M	26090	1855	QPSK	24.13	20.15	3.96
			16-QAM	24.39	19.87	4.52
	26365	1882.5	QPSK	24.20	20.19	4.00
			16-QAM	24.46	19.89	4.57
	26640	1910	QPSK	24.32	20.28	4.04
			16-QAM	24.49	19.81	4.65

Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	26115	1857.5	QPSK	24.08	19.60	4.26
			16-QAM	22.68	19.44	3.24
	26365	1882.5	QPSK	23.55	19.53	4.00
			16-QAM	23.84	19.33	4.50
	26615	1907.5	QPSK	23.73	19.63	4.04
			16-QAM	23.89	19.23	4.63
20M	26140	1860	QPSK	22.65	18.66	3.98
			16-QAM	22.92	18.41	4.50
	26365	1882.5	QPSK	22.71	18.66	4.02
			16-QAM	22.97	18.41	4.54
	26590	1905	QPSK	22.74	18.64	4.09
			16-QAM	23.20	18.39	4.61

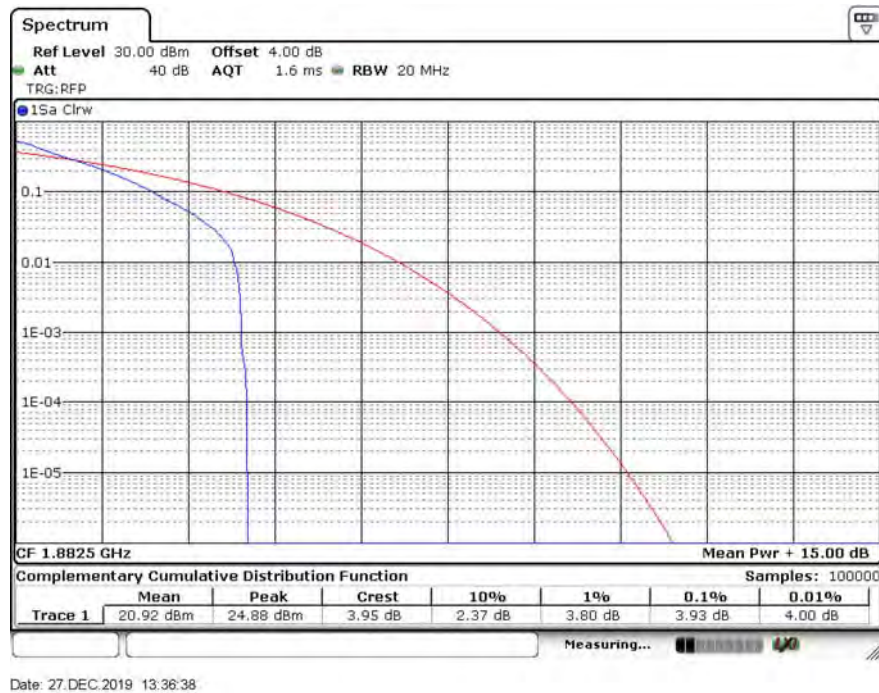
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B25_CH26047_1.4M_16-QAM_1RB0



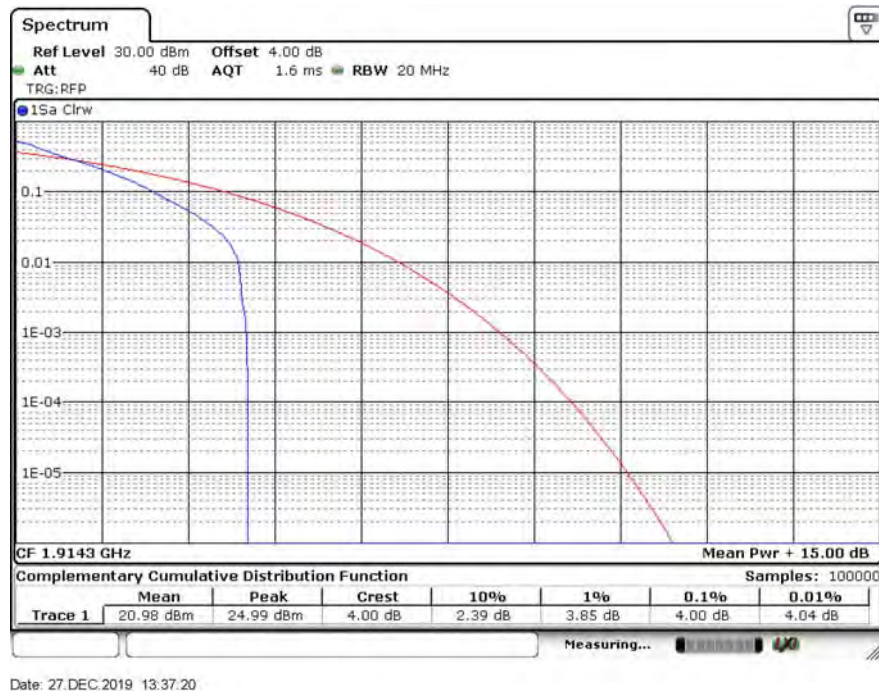
B25_CH26365_1.4M_QPSK_1RB0



B25_CH26365_1.4M_16-QAM_1RB0



B25_CH26683_1.4M_QPSK_1RB5



B25_CH26683_1.4M_16-QAM_1RB5

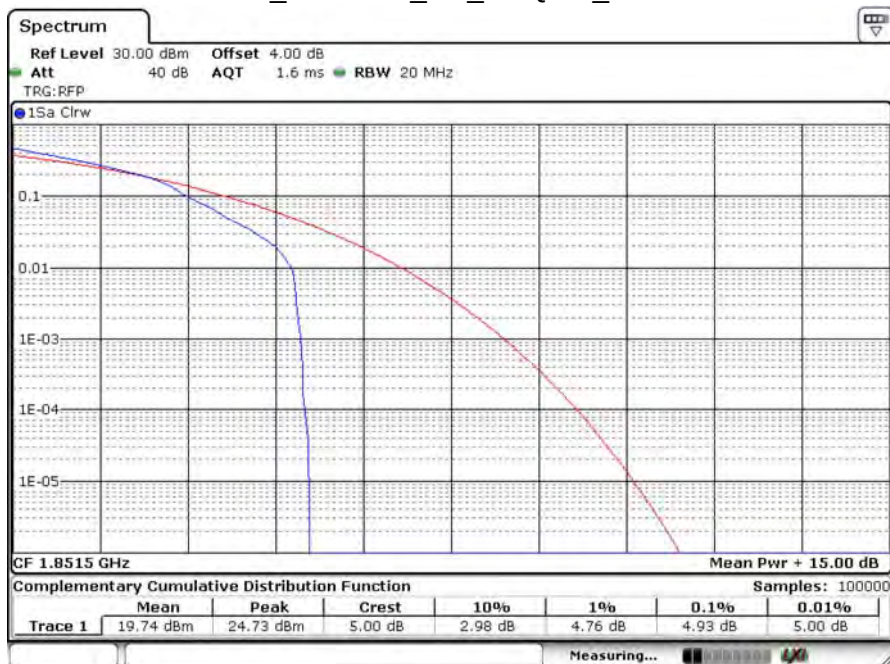


B25_CH26055_3M_QPSK_1RB0



Date: 27 DEC 2019 13:44:50

B25_CH26055_3M_16-QAM_1RB0



Date: 27 DEC 2019 13:44:36

B25_CH26365_3M_QPSK_1RB0



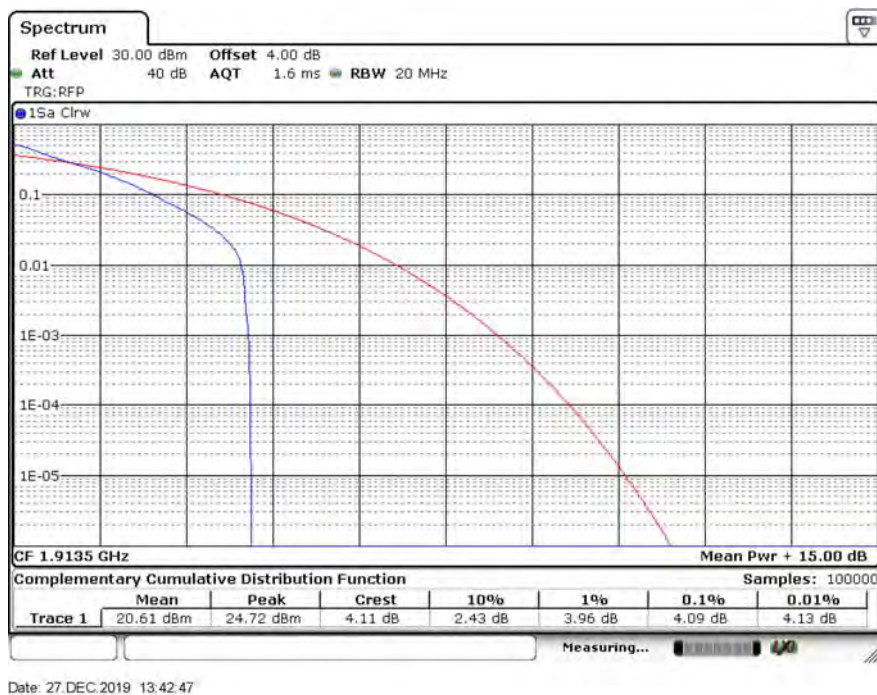
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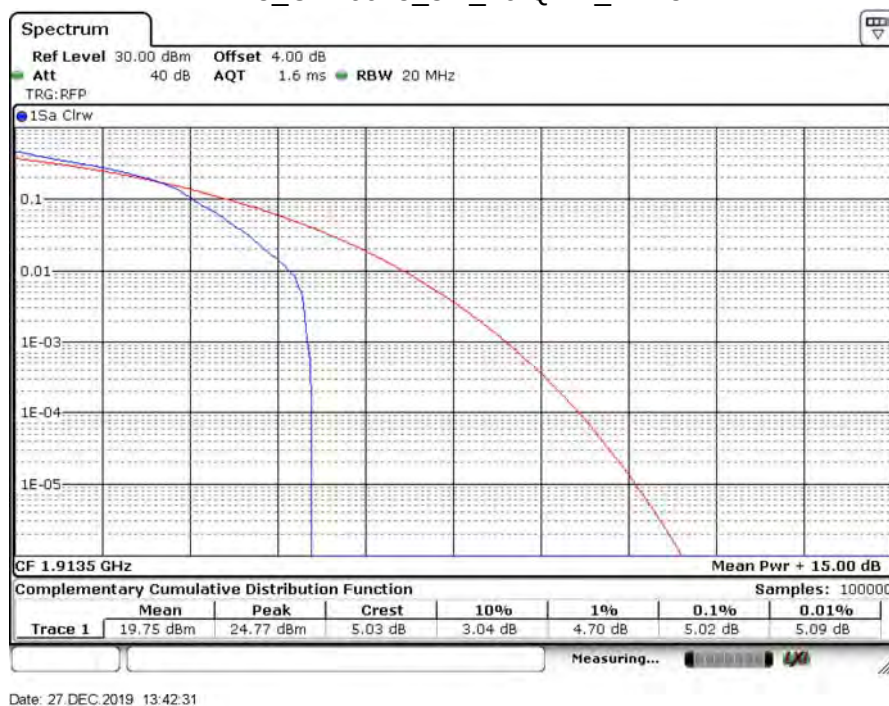


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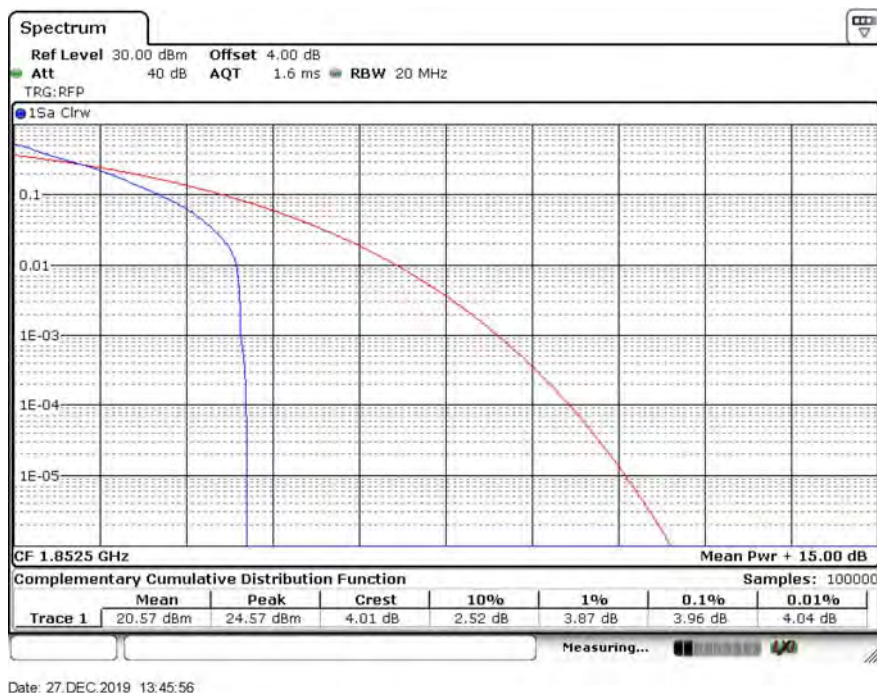
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B25_CH26675_3M_16-QAM_1RB5



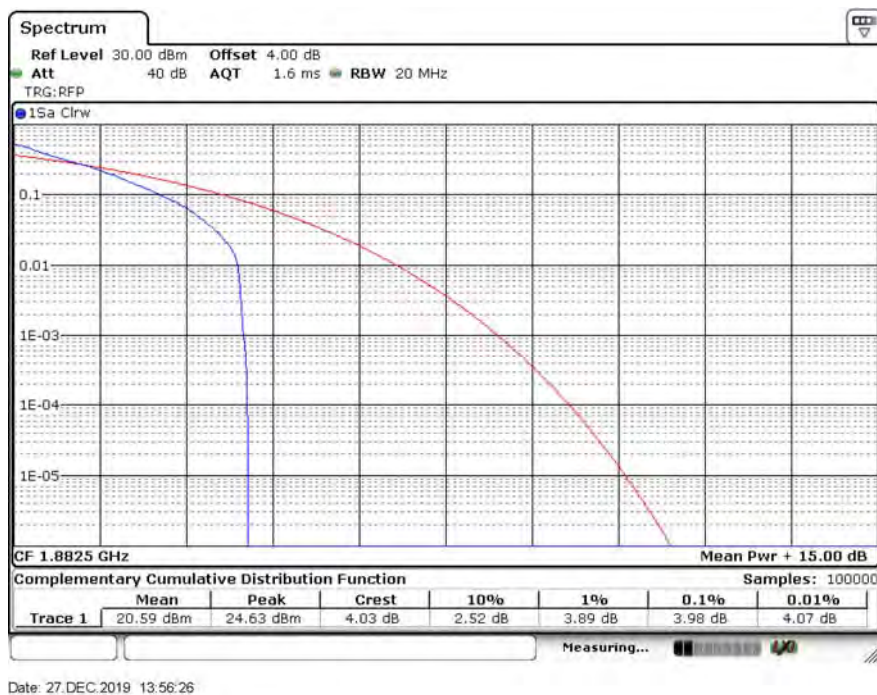
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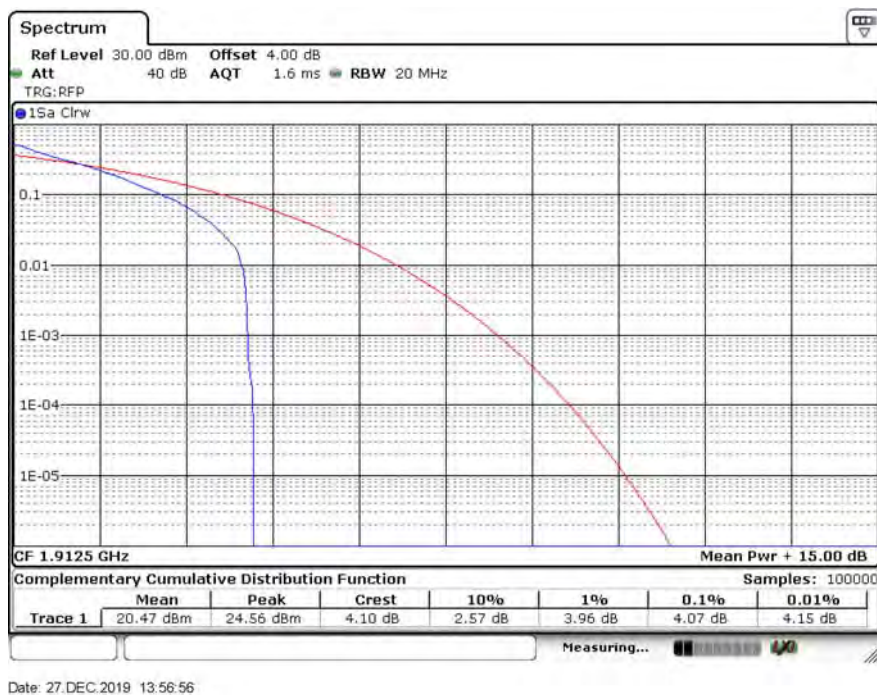
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B25_CH26365_5M_16-QAM_1RB0



B25_CH26665_5M_QPSK_1RB5



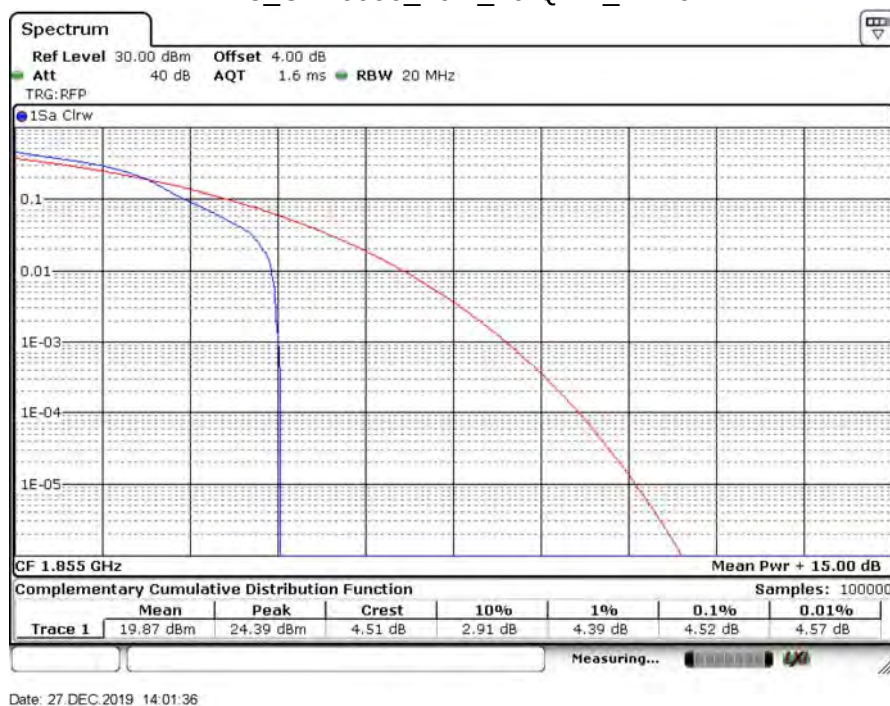
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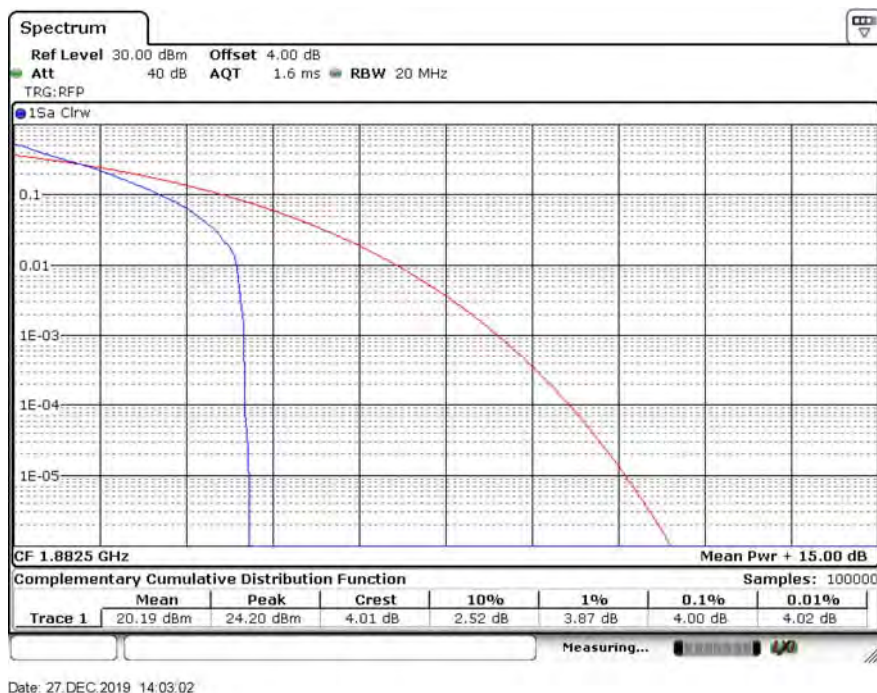
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B25_CH26090_10M_16-QAM_1RB0



B25_CH26365_10M_QPSK_1RB0



B25_CH26365_10M_16-QAM_1RB0



B25_CH26640_10M_QPSK_1RB5



Date: 27 DEC 2019 14:04:14

B25_CH26640_10M_16-QAM_1RB5



Date: 27 DEC 2019 14:04:00

B25_CH26115_15M_QPSK_1RB0



Date: 27 DEC. 2019 14:14:19

B25_CH26115_15M_16-QAM_1RB0



Date: 27 DEC. 2019 14:14:32

B25_CH26365_15M_QPSK_1RB0



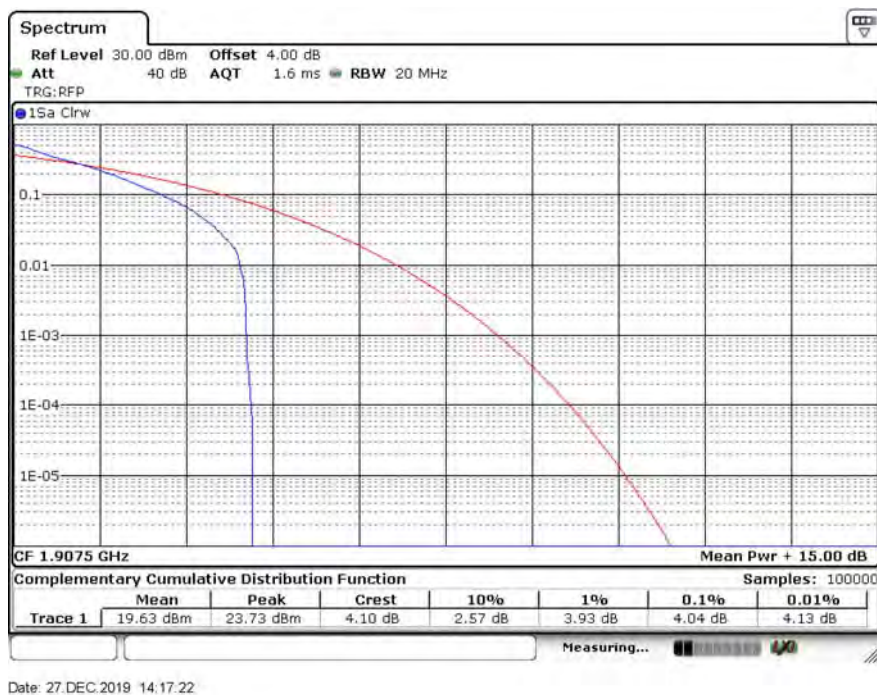
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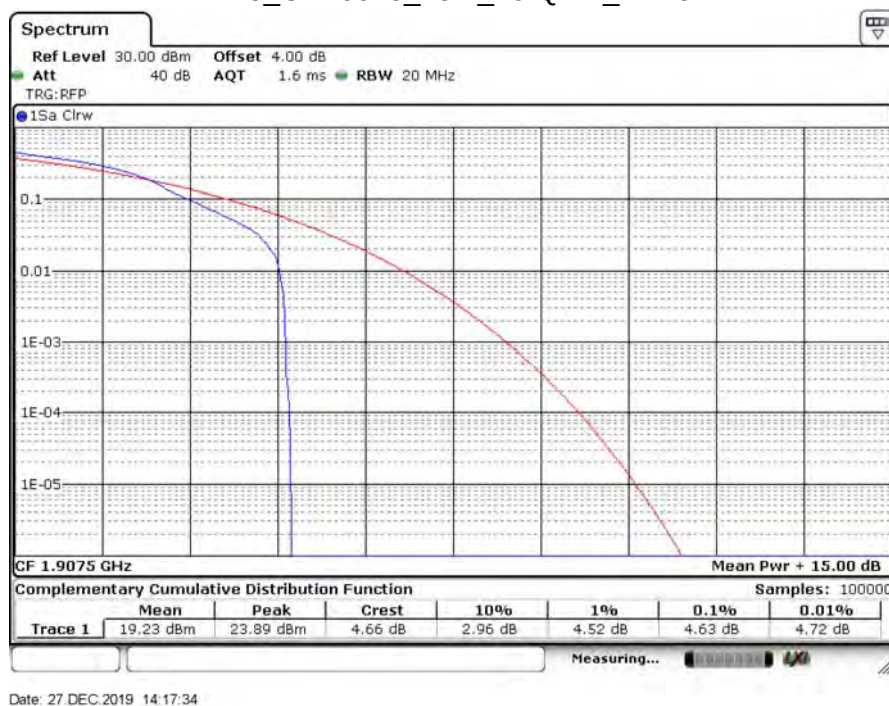


Date: 27 DEC 2019 14:16:13

B25_CH26615_15M_QPSK_1RB5



B25_CH26615_15M_16-QAM_1RB5



B25_CH26140_20M_QPSK_1RB0



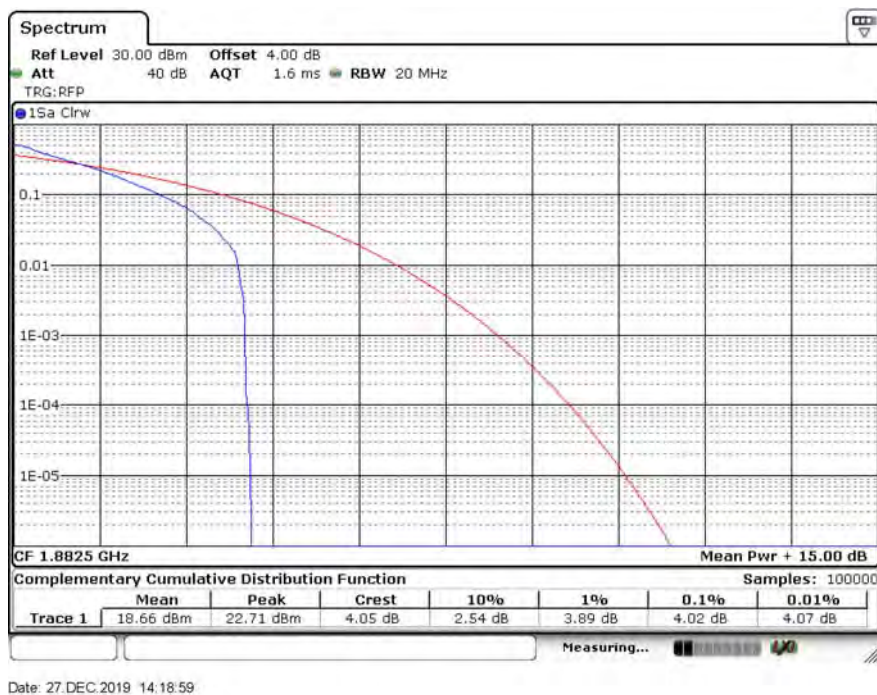
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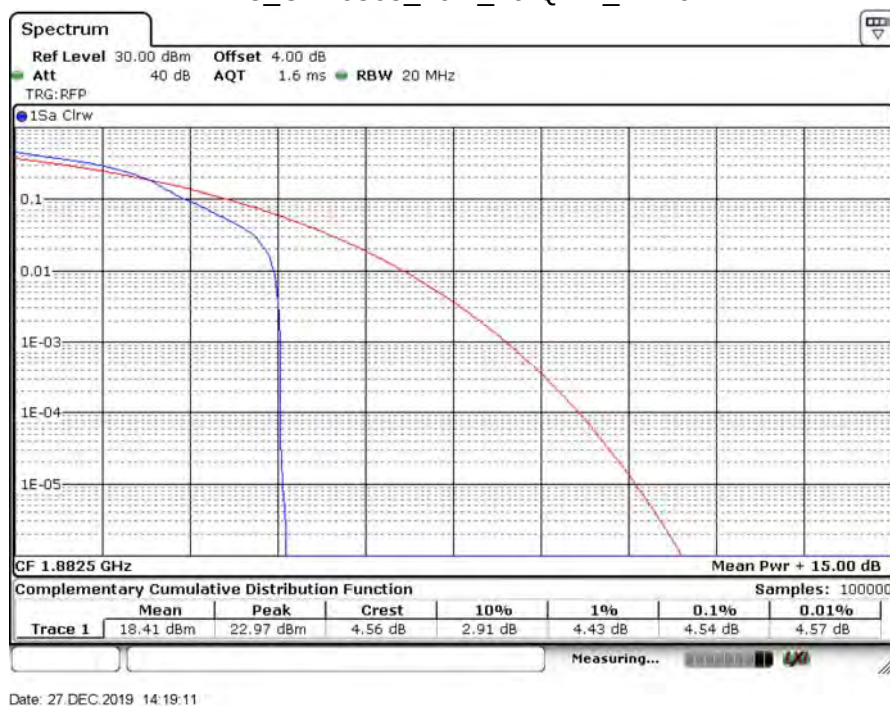


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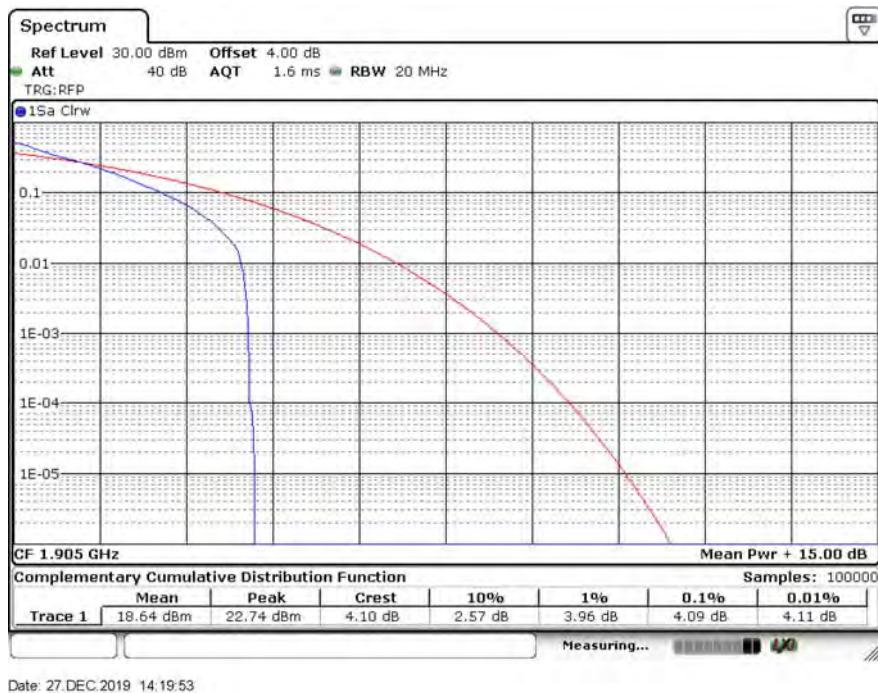
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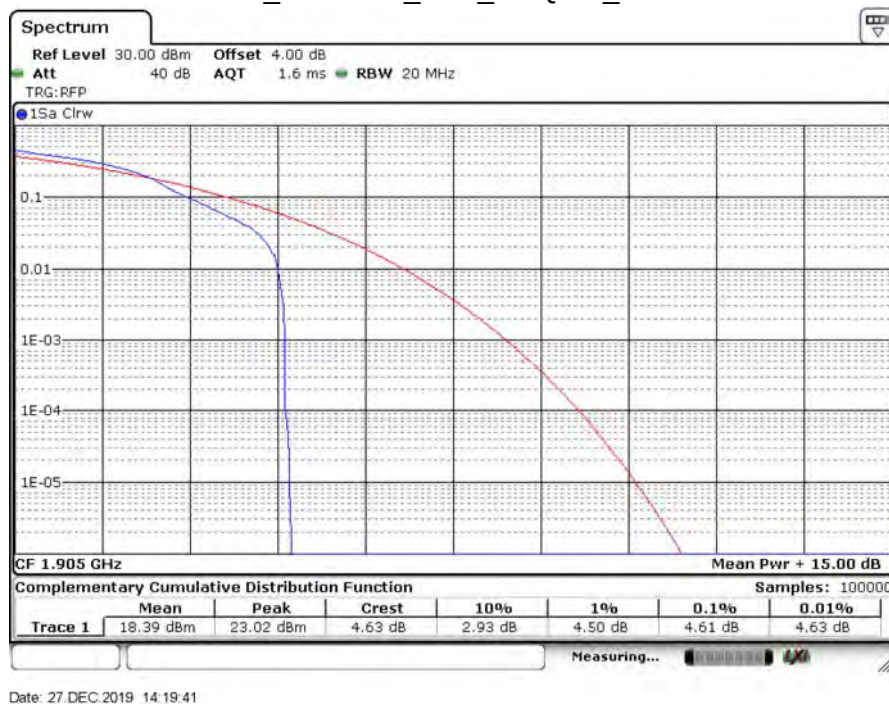
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B25_CH26590_20M_QPSK_1RB5



B25_CH26590_20M_16-QAM_1RB5

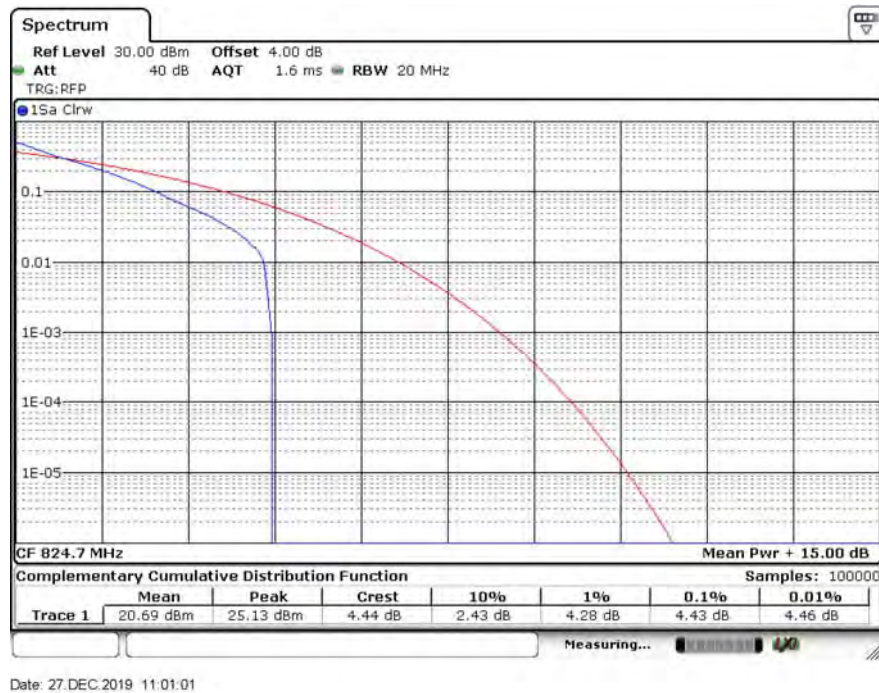


Product	M2M DATA MODULE		
Test Item	Peak To Average Ratio (Part 22)		
Test Mode	Mode 6: LTE Band 26		
Date of Test	2019/12/27	Test Site	SR12-H
Temperature (°C)	21.0°C	Humidity (%RH)	60%RH

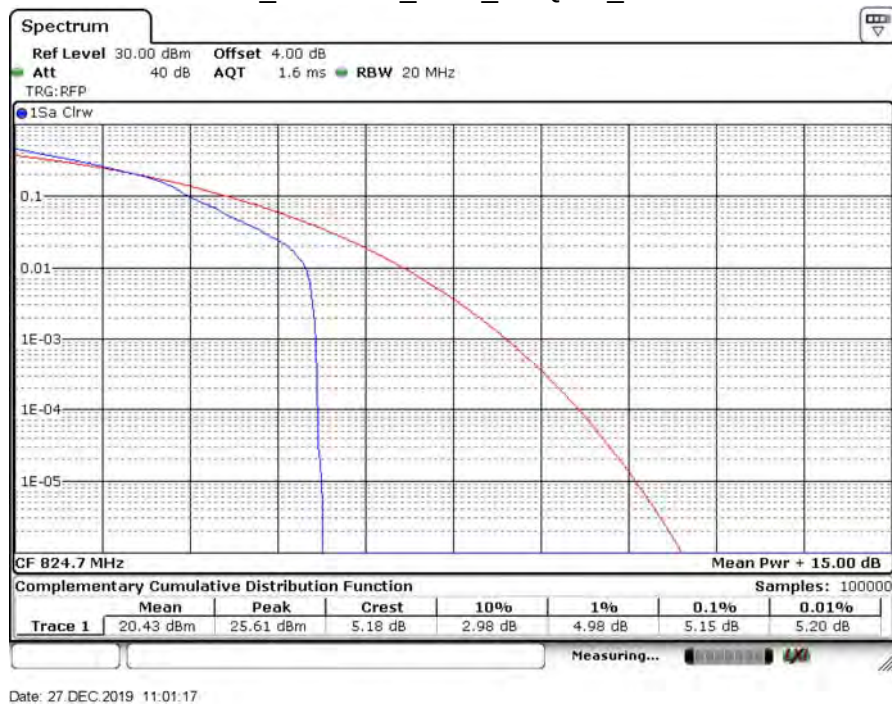
Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	26797	824.7	QPSK	25.13	20.69	4.43
			16-QAM	25.61	20.43	5.15
	26915	836.5	QPSK	25.25	20.90	4.35
			16-QAM	25.64	20.48	5.13
	27033	848.3	QPSK	25.05	20.59	4.41
			16-QAM	25.32	20.00	5.26
3M	26805	825.5	QPSK	25.34	21.03	4.28
			16-QAM	25.45	20.17	5.22
	26915	836.5	QPSK	25.41	21.18	4.24
			16-QAM	25.55	20.37	5.13
	27025	847.5	QPSK	25.11	20.77	4.30
			16-QAM	25.51	20.38	5.09
5M	26815	826.5	QPSK	25.41	21.18	4.20
			16-QAM	25.56	20.70	4.83
	26915	836.5	QPSK	25.47	21.29	4.15
			16-QAM	25.62	20.87	4.74
	27015	846.5	QPSK	25.07	20.79	4.26
			16-QAM	25.31	20.46	4.87
10M	26840	829	QPSK	24.94	20.73	4.20
			16-QAM	25.13	20.28	4.85
	26915	836.5	QPSK	24.94	20.78	4.15
			16-QAM	25.09	20.24	4.83
	26990	844	QPSK	24.93	20.73	4.20
			16-QAM	25.31	20.53	4.80

Band width (MHz)	Channel	Frequency (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	26865	831.5	QPSK	24.64	20.48	4.15
			16-QAM	24.89	20.12	4.74
	26915	836.5	QPSK	24.60	20.44	4.13
			16-QAM	24.84	20.07	4.76
	26965	841.5	QPSK	24.54	20.37	4.17
			16-QAM	24.79	19.99	4.78

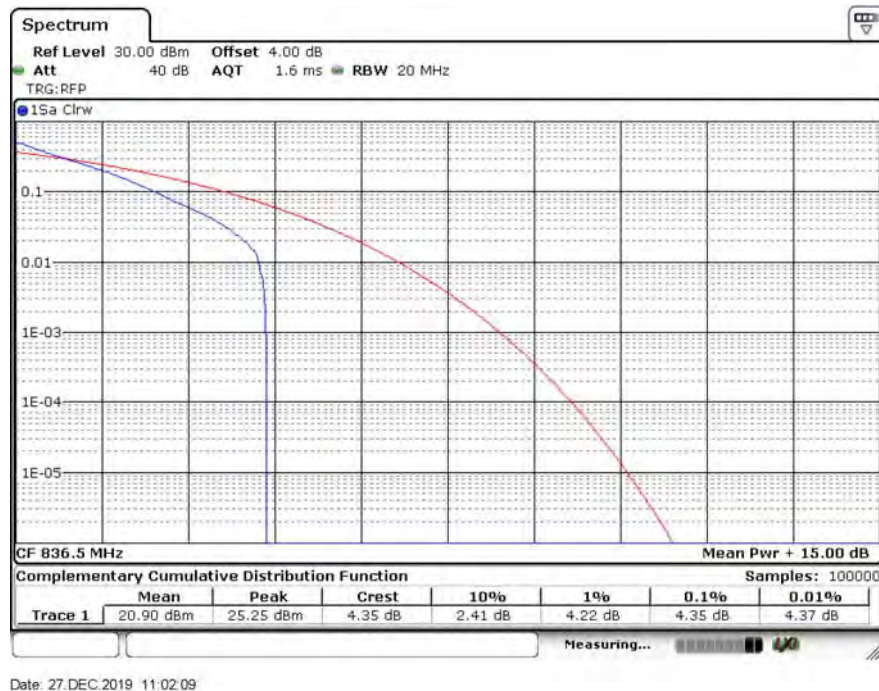
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B26_CH26797_1.4M_16-QAM_1RB0



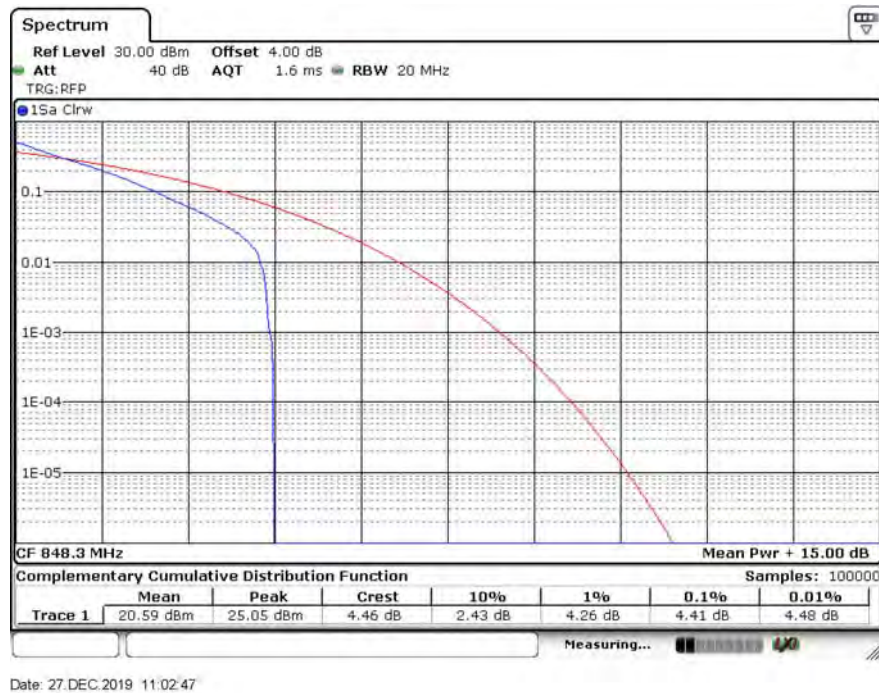
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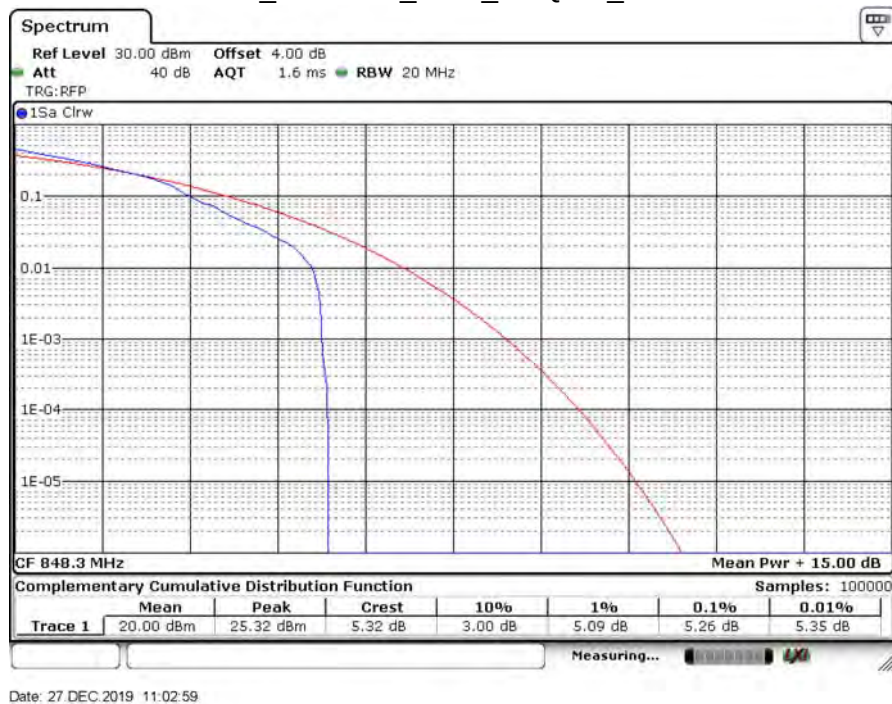
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B26_CH27033_1.4M_QPSK_1RB5



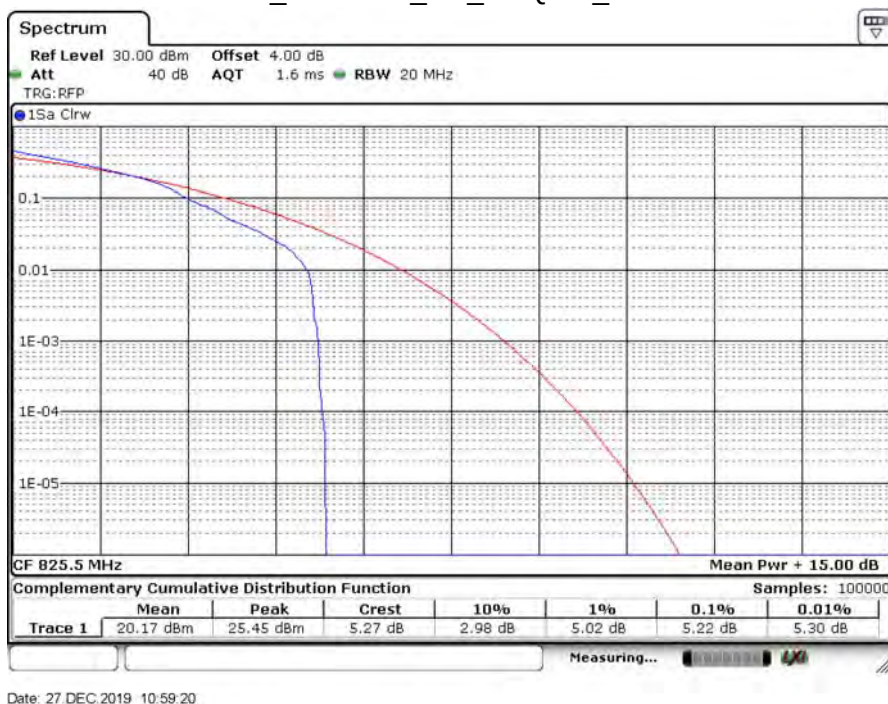
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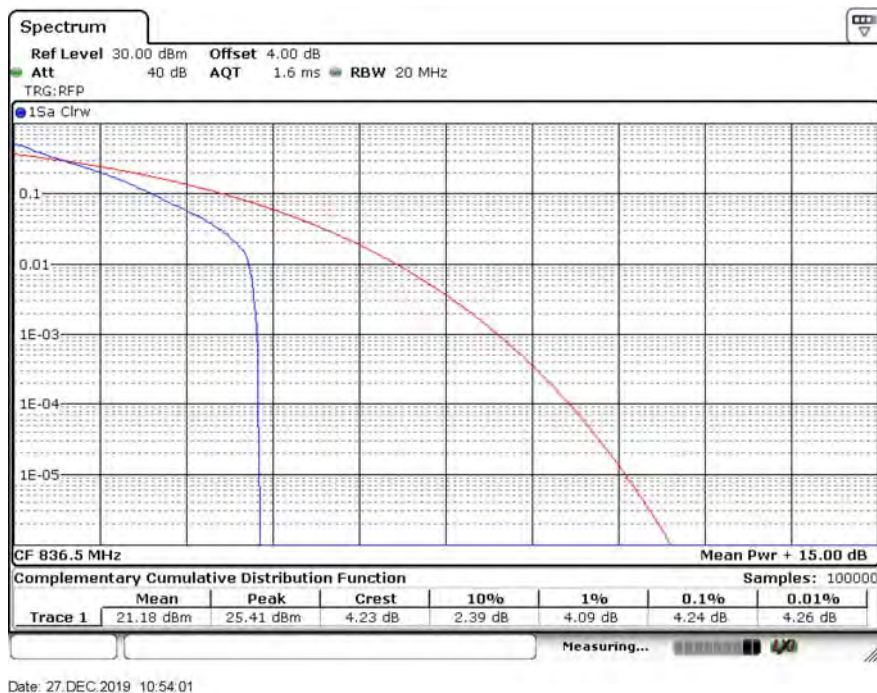
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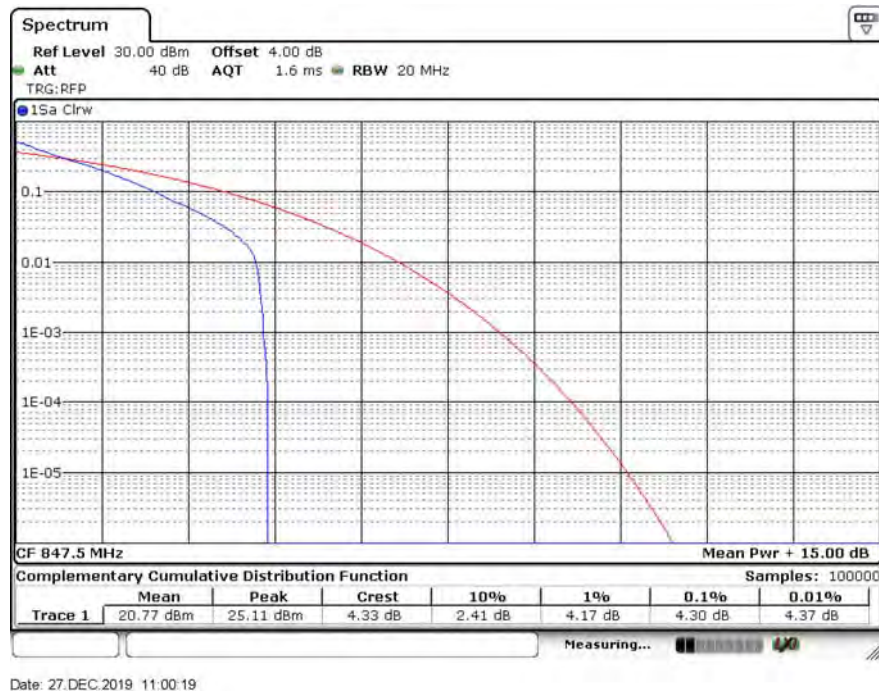
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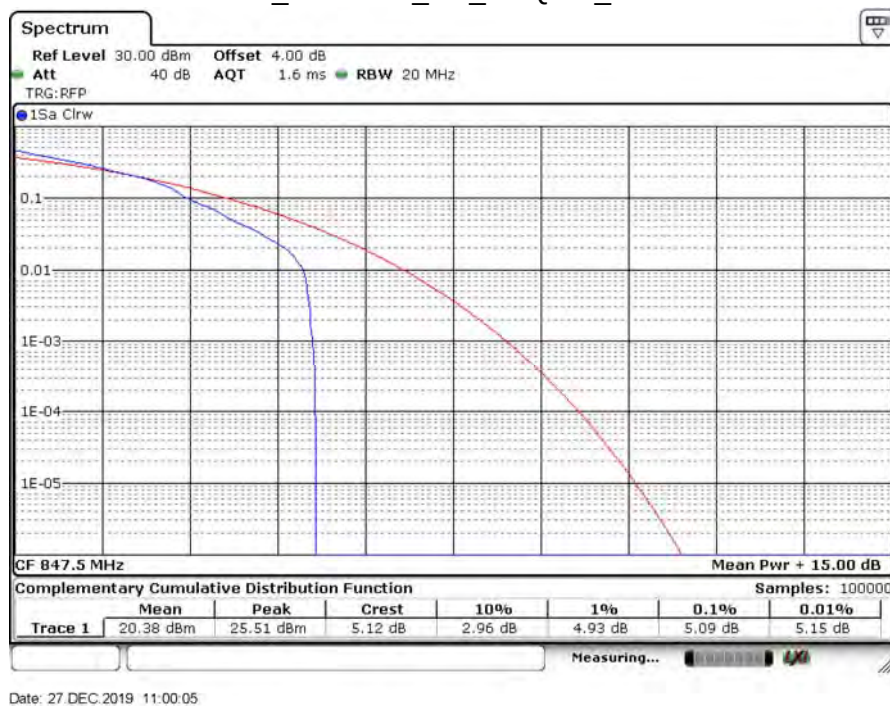
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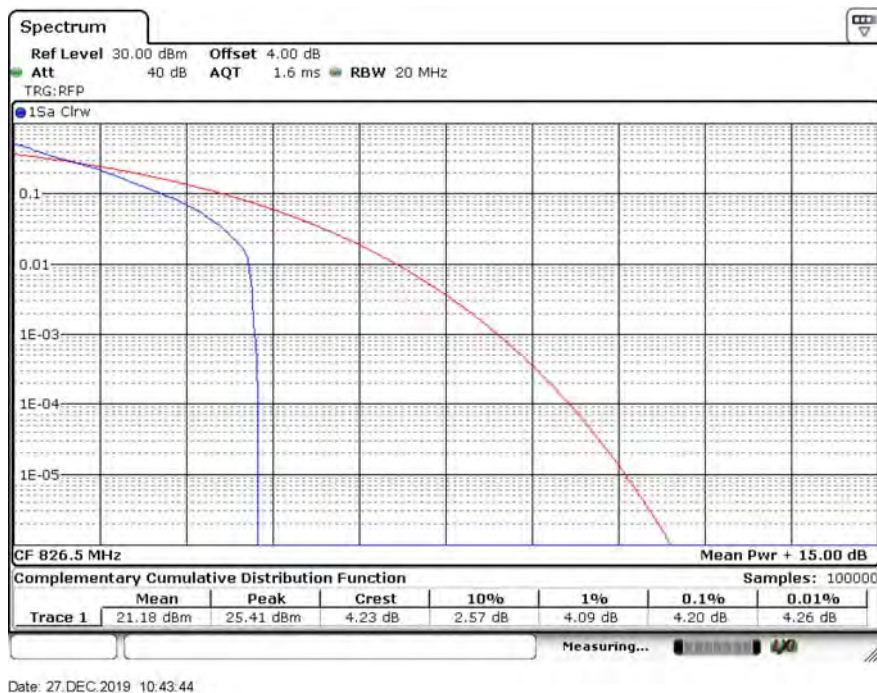
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B26_CH27025_3M_16-QAM_1RB5



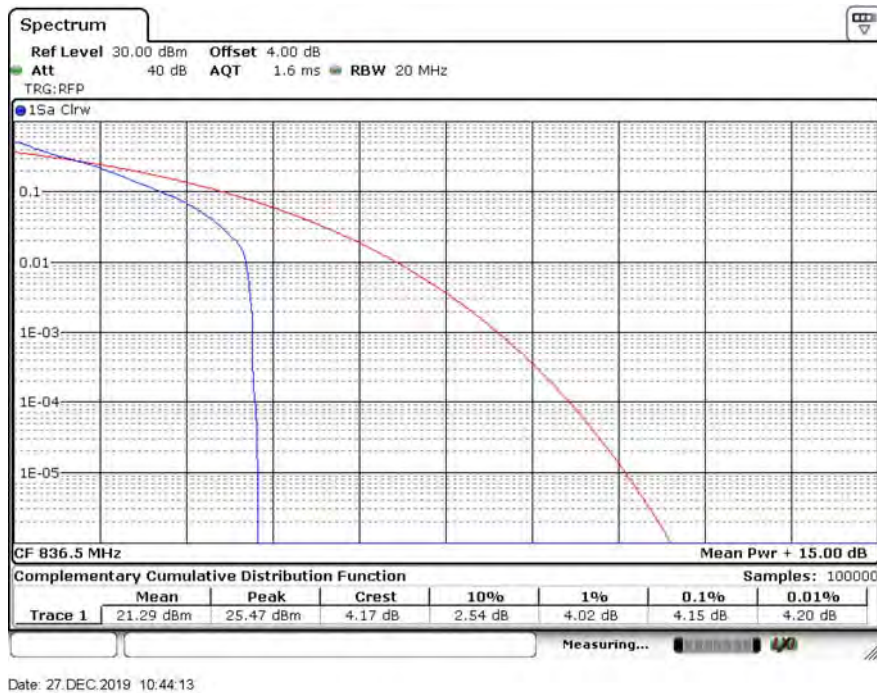
B26_CH26815_5M_QPSK_1RB0



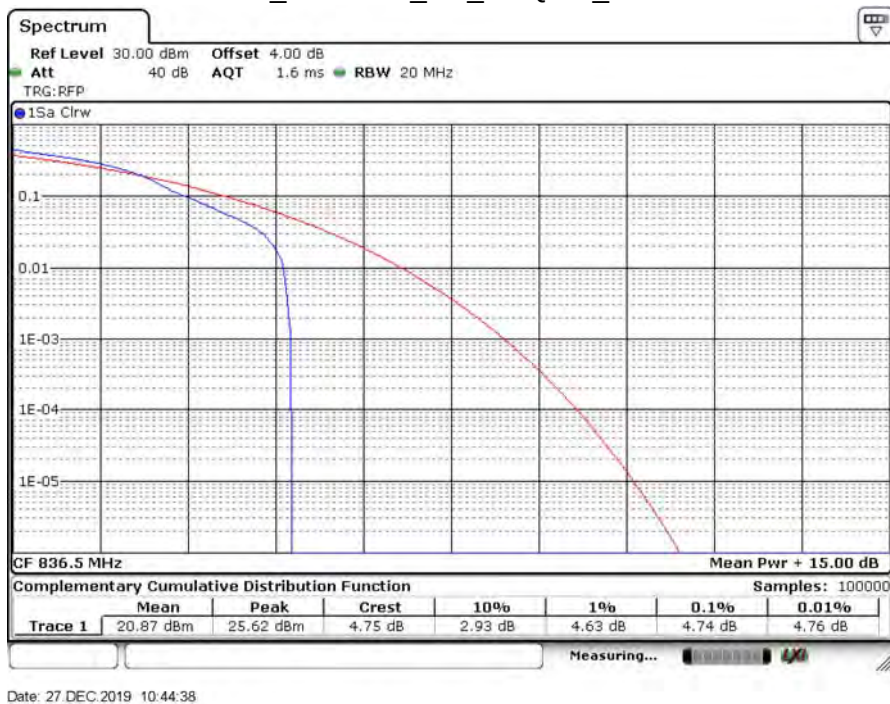
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B26_CH26915_5M_QPSK_1RB0



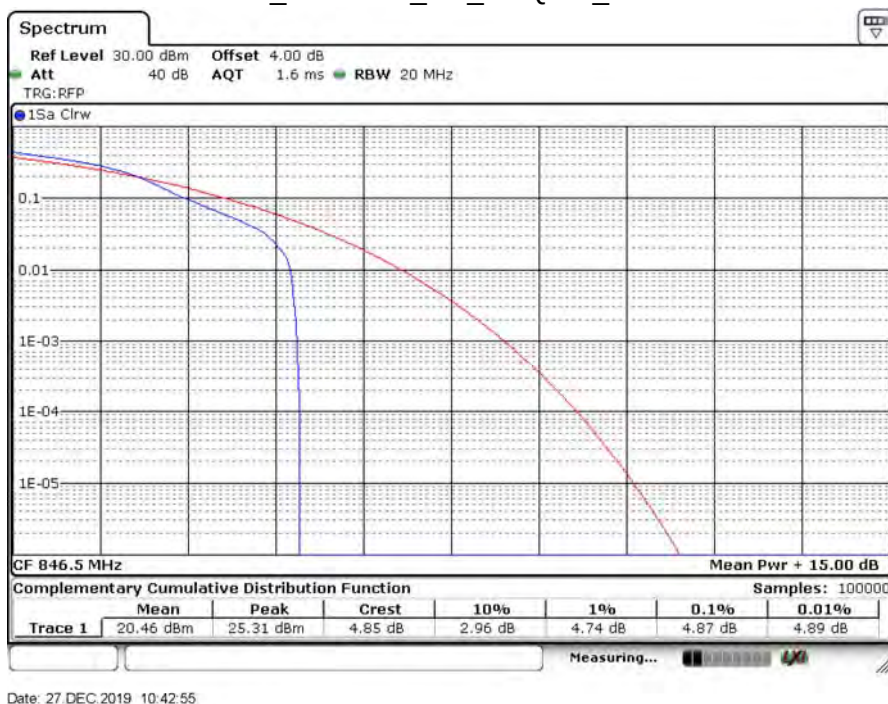
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B26_CH27015_5M_QPSK_1RB5



B26_CH27015_5M_16-QAM_1RB5

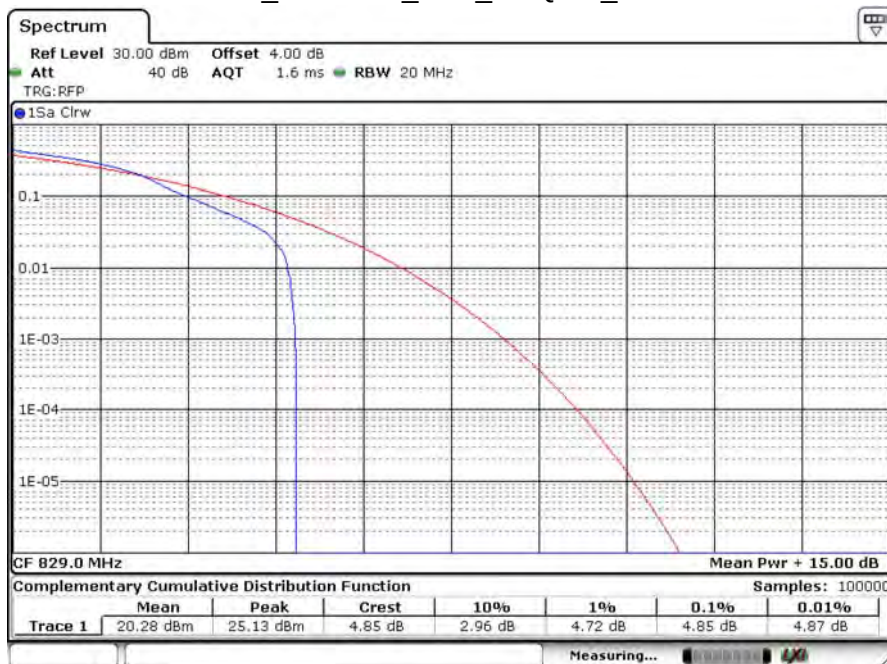


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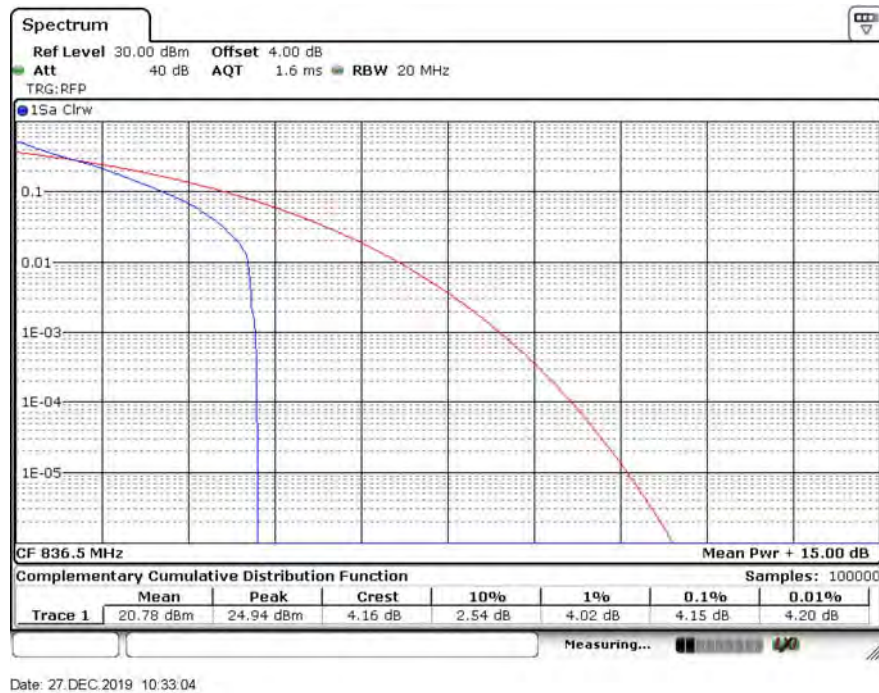
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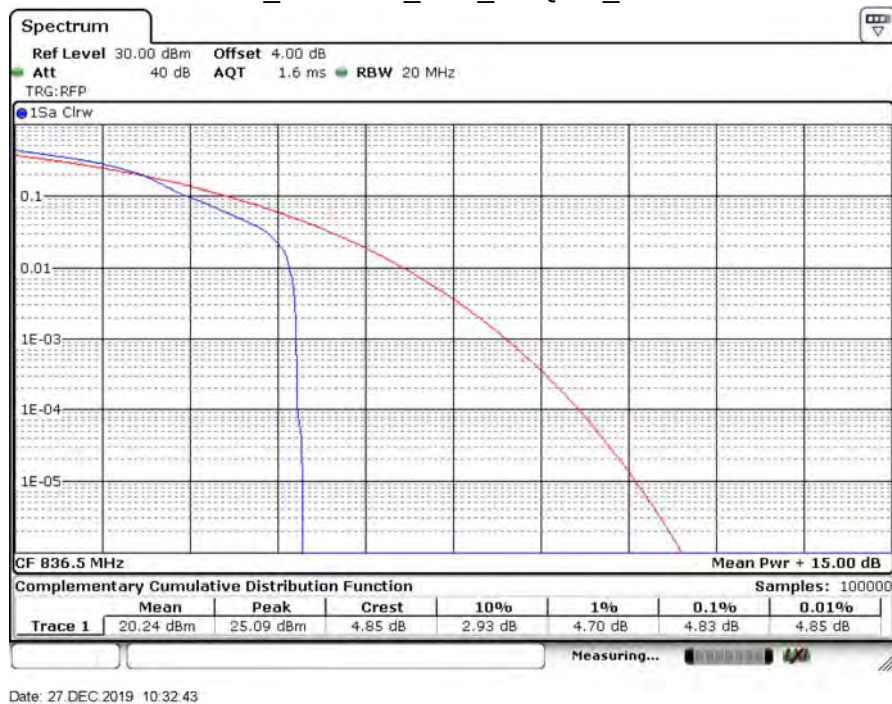


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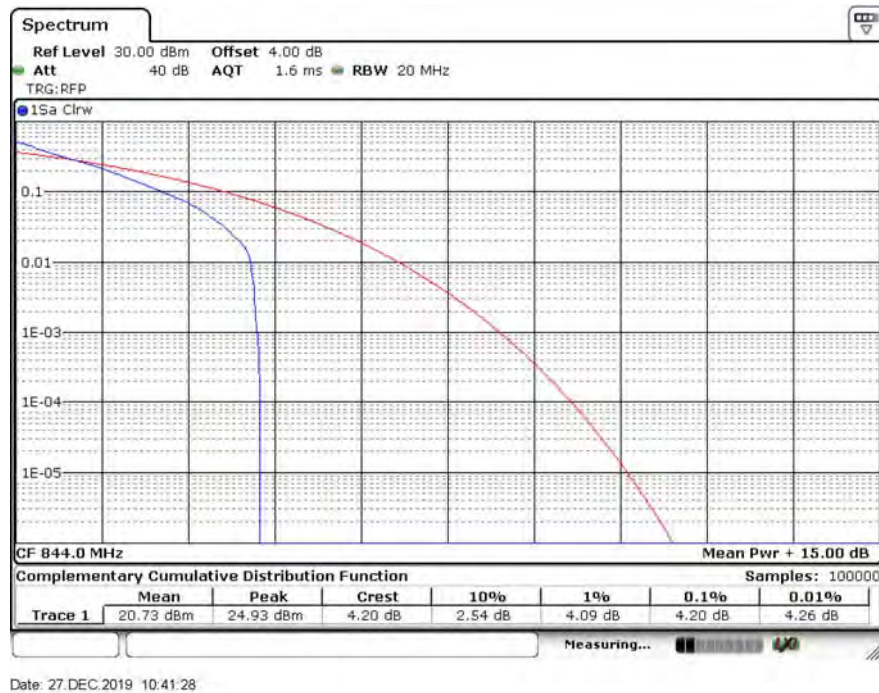
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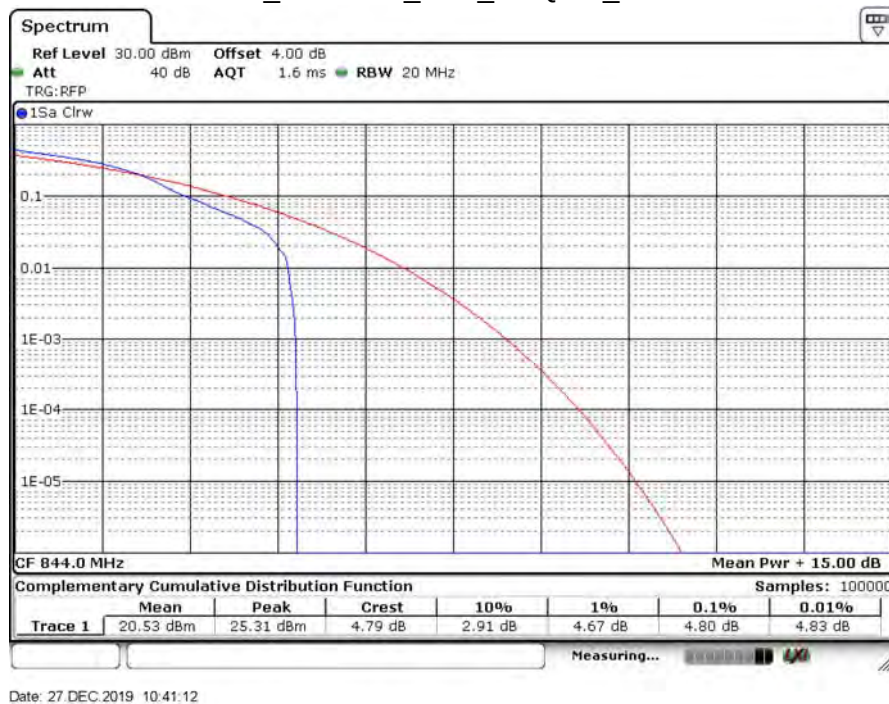
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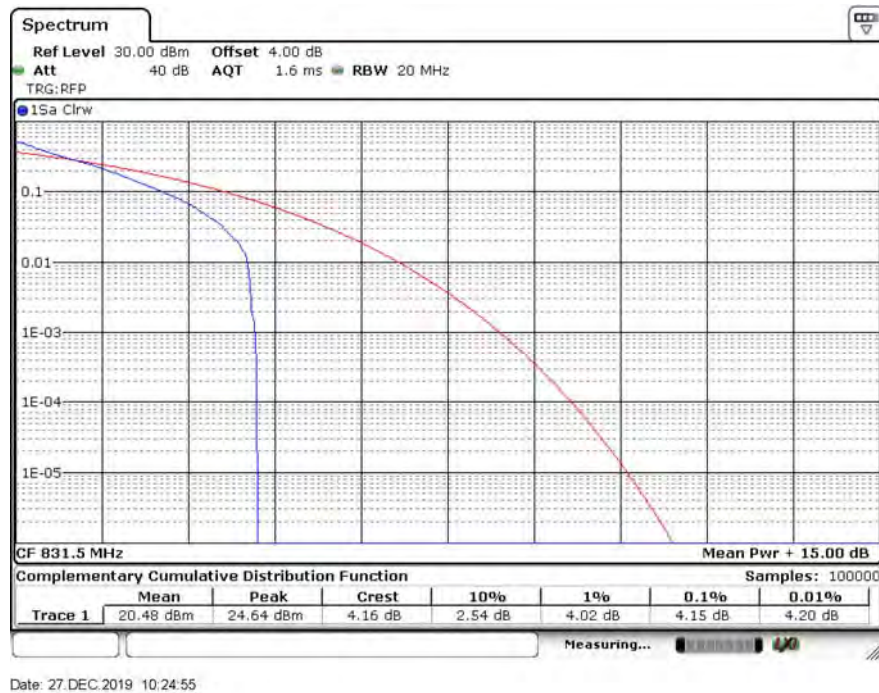
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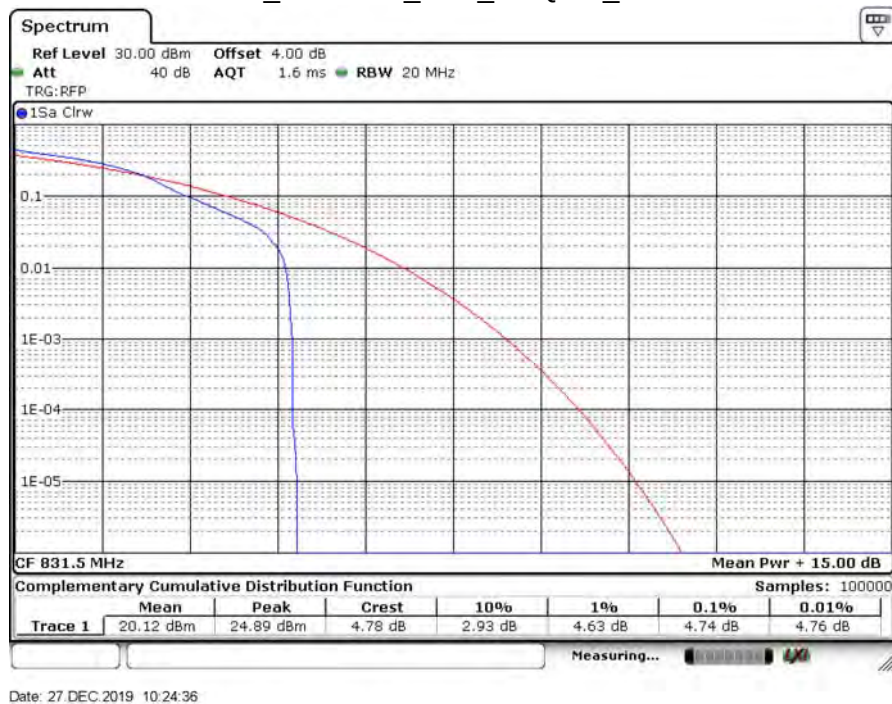
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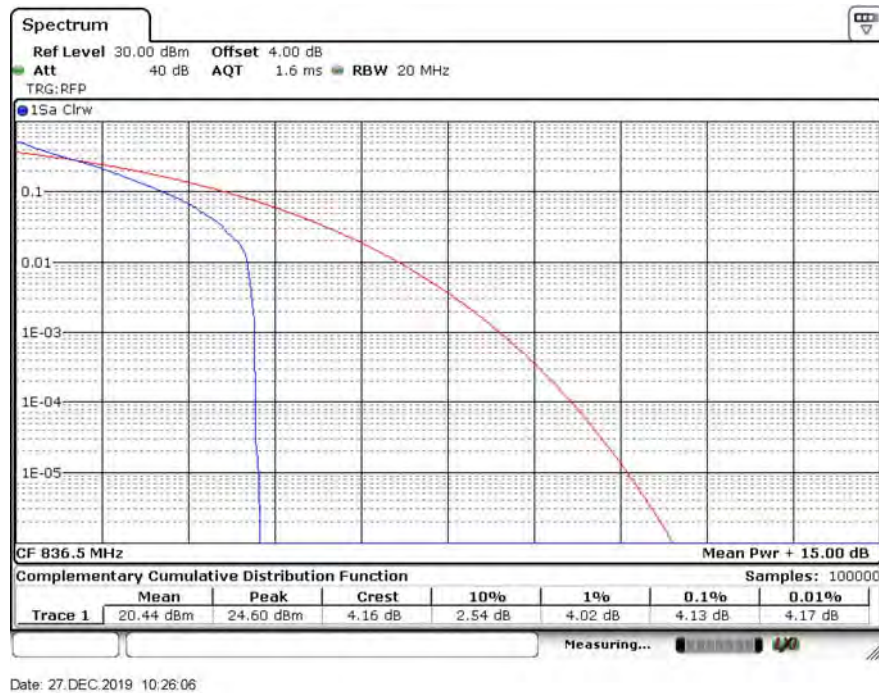
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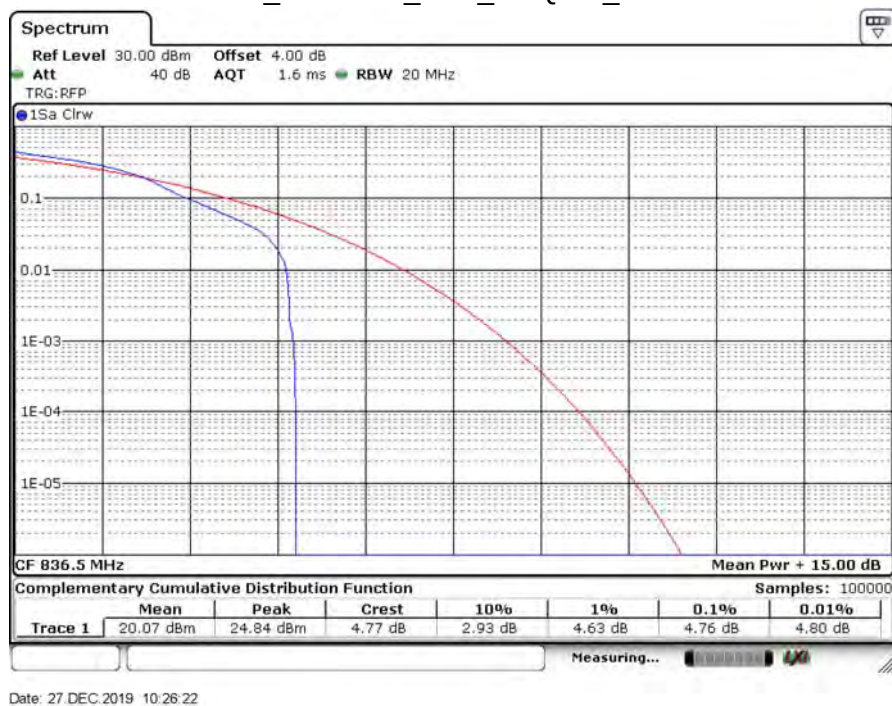
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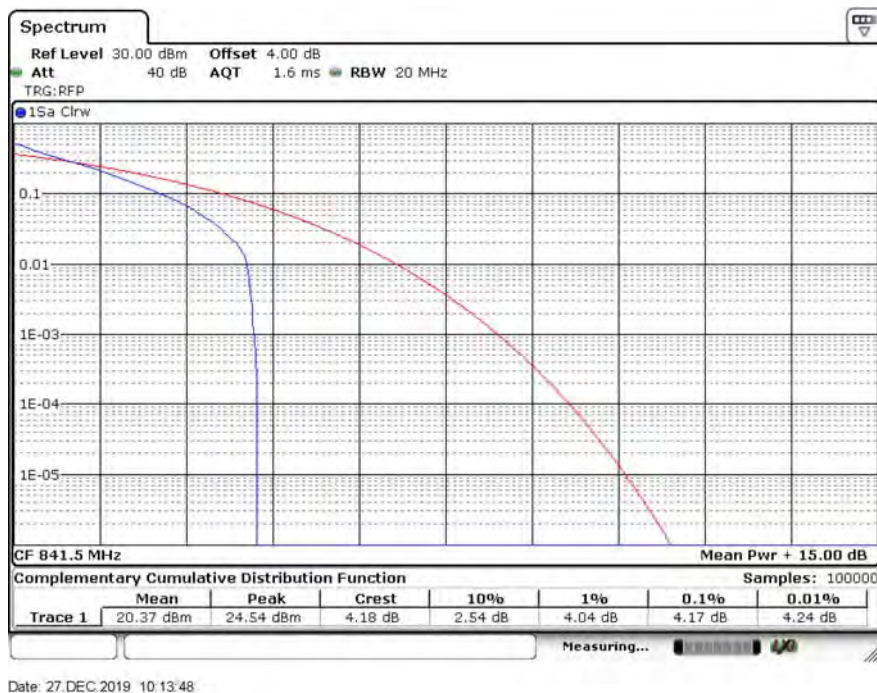
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B26_CH26915_15M_16-QAM_1RB0



B26_CH26965_15M_QPSK_1RB5



B26_CH26965_15M_16-QAM_1RB5

