

CAT-M1_B2_CH19100_20M_QPSK_1RB5



Date: 18.JAN.2021 11:15:29

CAT-M1_B2_CH19100_20M_16-QAM_1RB5



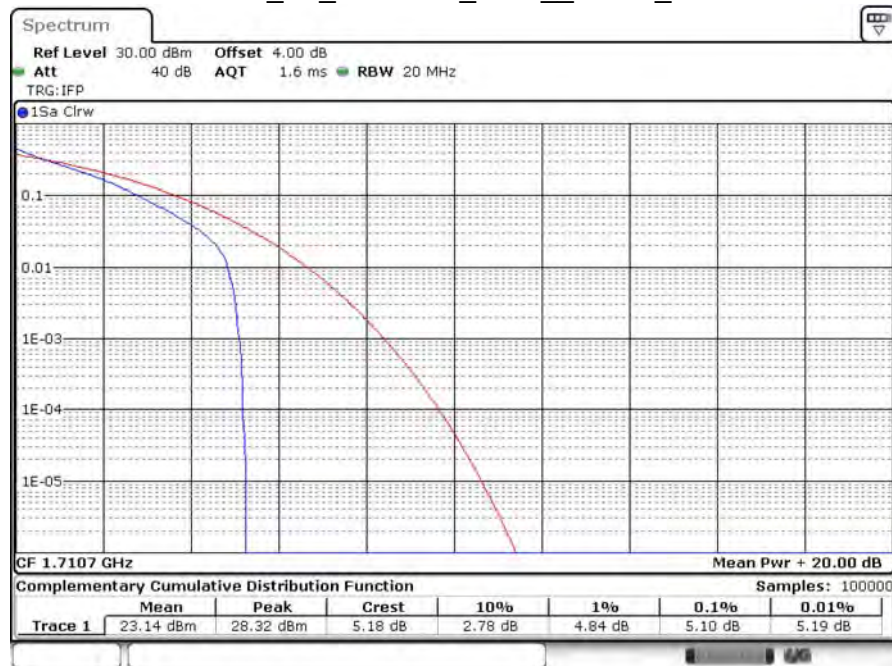
Date: 18.JAN.2021 11:17:05

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 2: Band4 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	19957	1710.7	QPSK	28.32	23.14	5.10
			16-QAM	28.34	22.33	5.88
	20175	1732.5	QPSK	28.24	22.91	5.25
			16-QAM	28.46	22.01	6.29
	20393	1754.3	QPSK	28.56	22.96	5.51
			16-QAM	28.55	21.90	6.52
3M	19965	1711.5	QPSK	28.48	23.09	5.04
			16-QAM	28.12	21.88	6.14
	20175	1732.5	QPSK	28.23	22.87	5.16
			16-QAM	28.72	22.23	6.00
	20385	1753.5	QPSK	28.40	22.93	5.36
			16-QAM	28.42	22.02	6.35
5M	19975	1712.5	QPSK	28.06	22.92	5.01
			16-QAM	28.42	22.62	5.71
	20175	1732.5	QPSK	28.09	22.94	5.04
			16-QAM	28.42	22.63	5.71
	20375	1752.5	QPSK	28.08	22.71	5.30
			16-QAM	28.59	22.52	6.03
10M	20000	1715	QPSK	27.62	22.52	5.01
			16-QAM	28.01	22.07	5.86
	20175	1732.5	QPSK	27.55	22.40	5.07
			16-QAM	28.18	22.33	5.77
	20350	1750	QPSK	27.82	22.43	5.25
			16-QAM	28.33	22.10	6.14
15M	20025	1717.5	QPSK	26.89	21.84	4.96
			16-QAM	27.38	21.88	5.42
	20175	1732.5	QPSK	26.62	21.46	5.07
			16-QAM	27.25	21.30	5.88
	20325	1747.5	QPSK	27.18	21.94	5.19
			16-QAM	27.71	21.60	6.03

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
20M	20050	1720	QPSK	25.82	20.75	5.01
			16-QAM	26.30	20.67	5.54
	20175	1732.5	QPSK	25.94	20.89	4.96
			16-QAM	27.17	21.17	5.48
	20300	1745	QPSK	26.34	21.13	5.10
			16-QAM	26.89	20.99	5.80

CAT-M1_B4_CH19957_1.4M_QPSK_1RB0



Date: 18.JAN.2021 11:19:40

CAT-M1_B4_CH19957_1.4M_16-QAM_1RB0



Date: 18.JAN.2021 11:19:08

CAT-M1_B4_CH20175_1.4M_QPSK_1RB0



Date: 18.JAN.2021 11:20:33

CAT-M1_B4_CH20175_1.4M_16-QAM_1RB0



Date: 18.JAN.2021 11:20:54

CAT-M1_B4_CH20393_1.4M_QPSK_1RB5



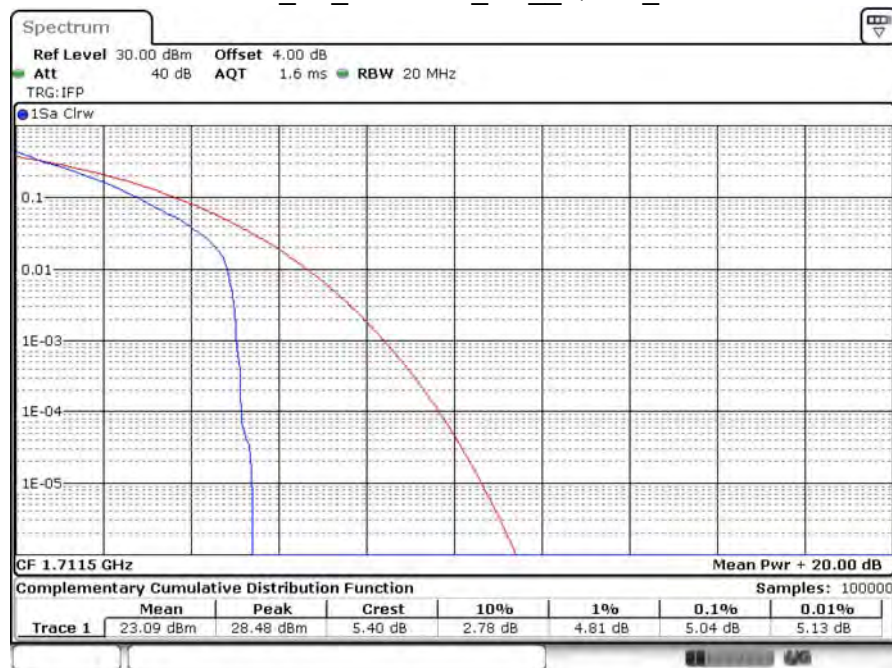
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Date: 18.JAN.2021 11:22.46

CAT-M1_B4_CH19965_3M_QPSK_1RB0



Date: 18.JAN.2021 11:25:52

CAT-M1_B4_CH19965_3M_16-QAM_1RB0



Date: 18.JAN.2021 11:26:46

CAT-M1_B4_CH20175_3M_QPSK_1RB0



Date: 18.JAN.2021 11:30:12

CAT-M1_B4_CH20175_3M_16-QAM_1RB0



Date: 18.JAN.2021 11:28:08

CAT-M1_B4_CH20385_3M_QPSK_1RB5



Date: 18.JAN.2021 11:36:44

CAT-M1_B4_CH20385_3M_16-QAM_1RB5



Date: 18.JAN.2021 11:41:53

CAT-M1_B4_CH19975_5M_QPSK_1RB0



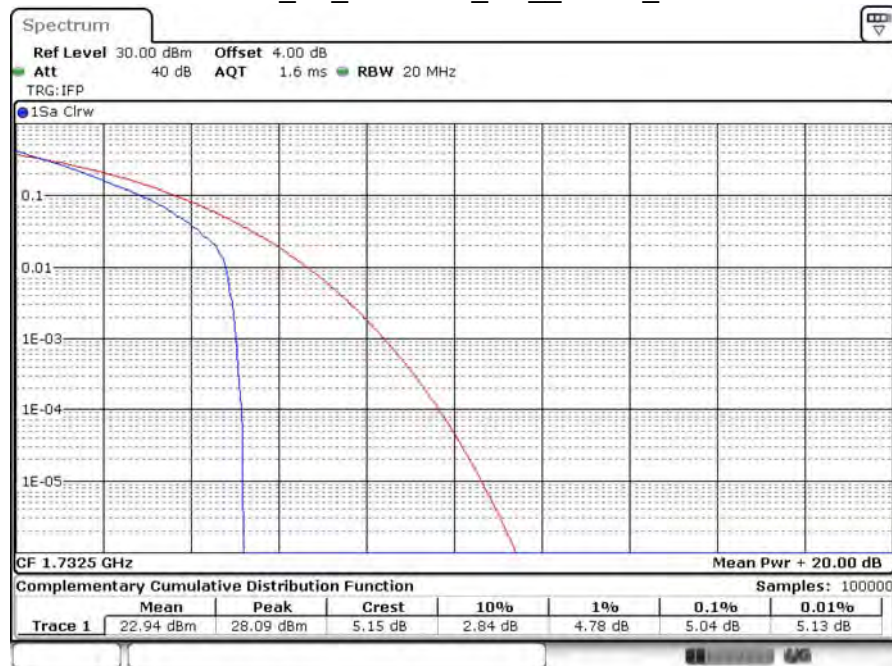
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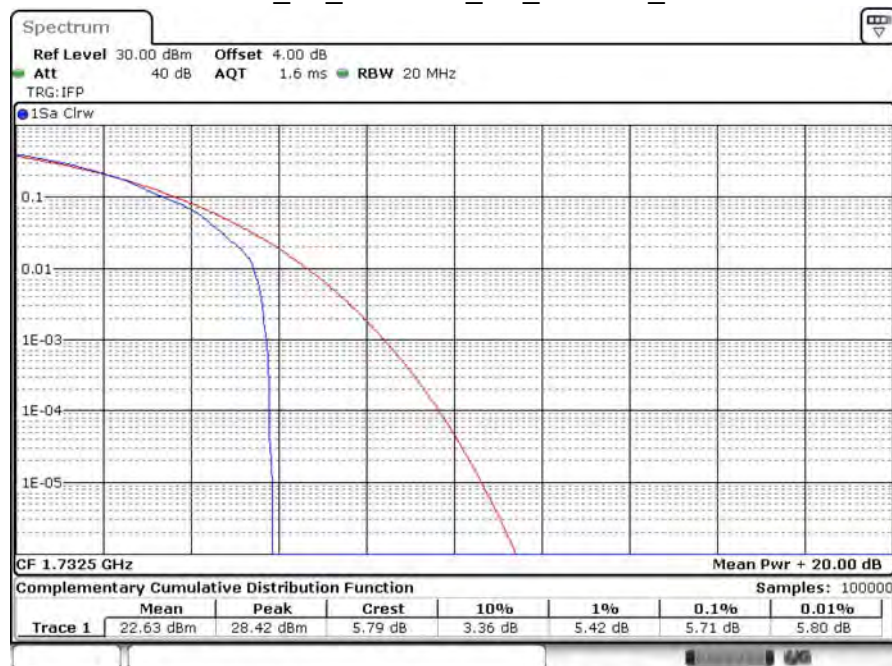
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CAT-M1_B4_CH20175_5M_16-QAM_1RB0



Date: 18 JAN 2021 13:44:18

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Date: 18 JAN 2021 13:53:07

CAT-M1_B4_CH20375_5M_16-QAM_1RB5



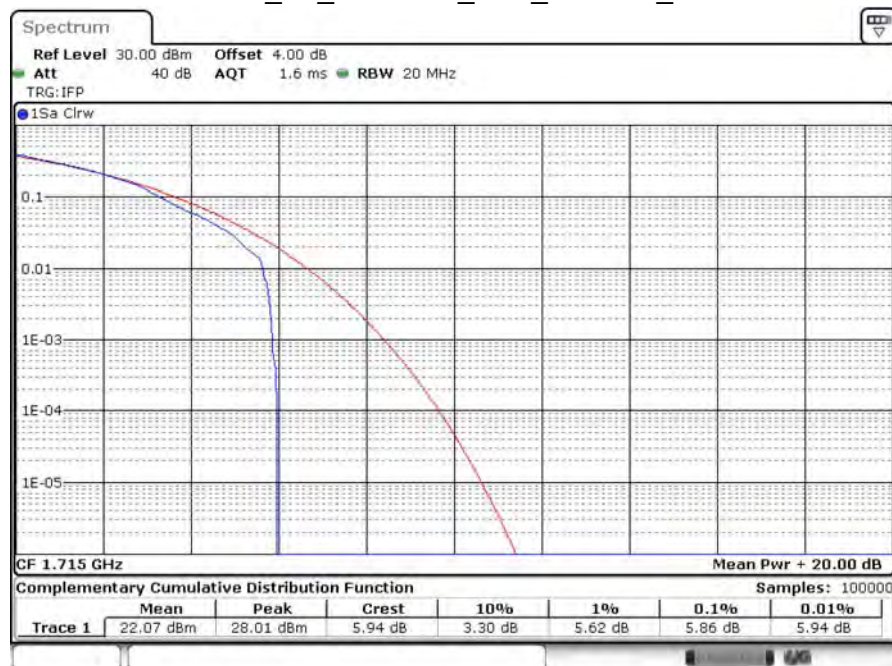
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Date: 18.JAN.2021 14:06:47

CAT-M1_B4_CH20000_10M_16-QAM_1RB0



Date: 18.JAN.2021 14:05:34

CAT-M1_B4_CH20175_10M_QPSK_1RB0



Date: 18.JAN.2021 14:12:48

CAT-M1_B4_CH20175_10M_16-QAM_1RB0



Date: 18.JAN.2021 14:15:35

CAT-M1_B4_CH20350_10M_QPSK_1RB5



Date: 18.JAN.2021 14:22:24

CAT-M1_B4_CH20350_10M_16-QAM_1RB5



Date: 18.JAN.2021 14:22:09

CAT-M1_B4_CH20025_15M__QPSK_1RB0



Date: 18.JAN.2021 14:27:51

CAT-M1_B4_CH20025_15M_16-QAM_1RB0



Date: 18.JAN.2021 14:29:23

CAT-M1_B4_CH20175_15M__QPSK_1RB0



Date: 18.JAN.2021 14:31:03

CAT-M1_B4_CH20175_15M_16-QAM_1RB0



Date: 18.JAN.2021 14:30:14

CAT-M1_B4_CH20325_15M_QPSK_1RB5



Date: 18 JAN 2021 14:44:22

CAT-M1_B4_CH20325_15M_16-QAM_1RB5



Date: 18 JAN 2021 14:47:02

CAT-M1_B4_CH20050_20M__QPSK_1RB0



Date: 18.JAN.2021 15:38:07

CAT-M1_B4_CH20050_20M_16-QAM_1RB0



Date: 18.JAN.2021 15:17:30

CAT-M1_B4_CH20175_20M_QPSK_1RB0



Date: 18 JAN 2021 15:39:12

CAT-M1_B4_CH20175_20M_16-QAM_1RB0



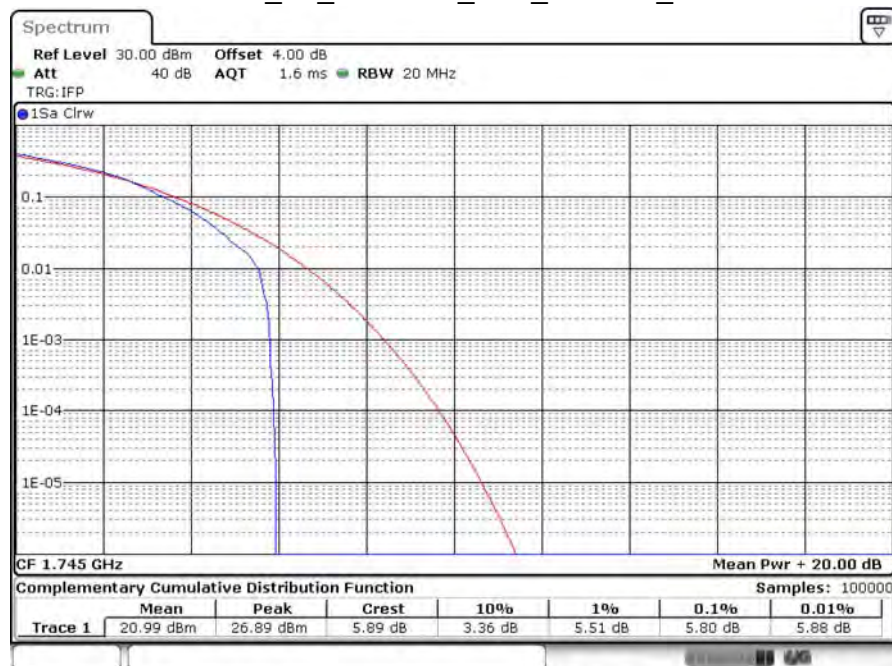
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CAT-M1_B4_CH20300_20M_QPSK_1RB5



Date: 18.JAN.2021 15:40:16

CAT-M1_B4_CH20300_20M_16-QAM_1RB5



Date: 18.JAN.2021 15:40:05

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 3: Band5 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	20407	824.7	QPSK	28.16	23.63	4.52
			16-QAM	28.22	22.78	5.39
	20525	836.5	QPSK	28.36	23.72	4.61
			16-QAM	28.29	22.65	5.54
	20643	848.3	QPSK	27.43	23.62	3.77
			16-QAM	28.53	22.67	5.77
3M	20415	825.5	QPSK	28.98	23.59	4.46
			16-QAM	28.09	22.75	5.30
	20525	836.5	QPSK	28.21	23.67	4.52
			16-QAM	28.15	22.79	5.36
	20635	847.5	QPSK	28.65	23.65	4.70
			16-QAM	28.46	22.35	6.00
5M	20425	826.5	QPSK	28.38	23.59	4.46
			16-QAM	28.96	23.48	5.07
	20525	836.5	QPSK	28.36	23.39	4.61
			16-QAM	28.53	23.73	4.81
	20625	846.5	QPSK	28.30	23.66	4.58
			16-QAM	28.74	23.83	4.93
10M	20450	829	QPSK	27.70	23.02	4.46
			16-QAM	27.97	23.14	4.81
	20525	836.5	QPSK	28.32	23.11	4.49
			16-QAM	28.57	22.56	5.39
	20600	844	QPSK	28.07	23.25	4.61
			16-QAM	28.58	23.28	5.16

CAT-M1_B5_CH20407_1.4M_QPSK_1RB0



Date: 18.JAN.2021 15:41:09

CAT-M1_B5_CH20407_1.4M_16-QAM_1RB0



Date: 18.JAN.2021 15:41:26

CAT-M1_B5_CH20525_1.4M_QPSK_1RB0



Date: 18.JAN.2021 15:42:11

CAT-M1_B5_CH20525_1.4M_16-QAM_1RB0



Date: 18.JAN.2021 15:41:59

CAT-M1_B5_CH20643_1.4M_QPSK_1RB5



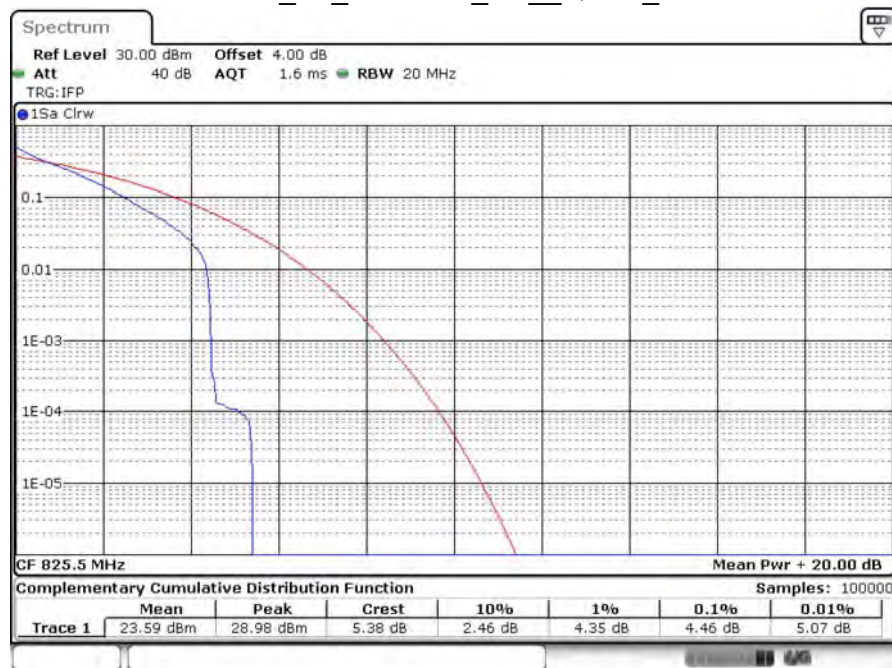
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Date: 18.JAN.2021 15:43:19

CAT-M1_B5_CH20415_3M_QPSK_1RB0



Date: 18.JAN.2021 16:01:06

CAT-M1_B5_CH20415_3M_16-QAM_1RB0



Date: 18.JAN.2021 15:57:28

CAT-M1_B5_CH20525_3M_QPSK_1RB0



Date: 18 JAN 2021 16:01:45

CAT-M1_B5_CH20525_3M_16-QAM_1RB0



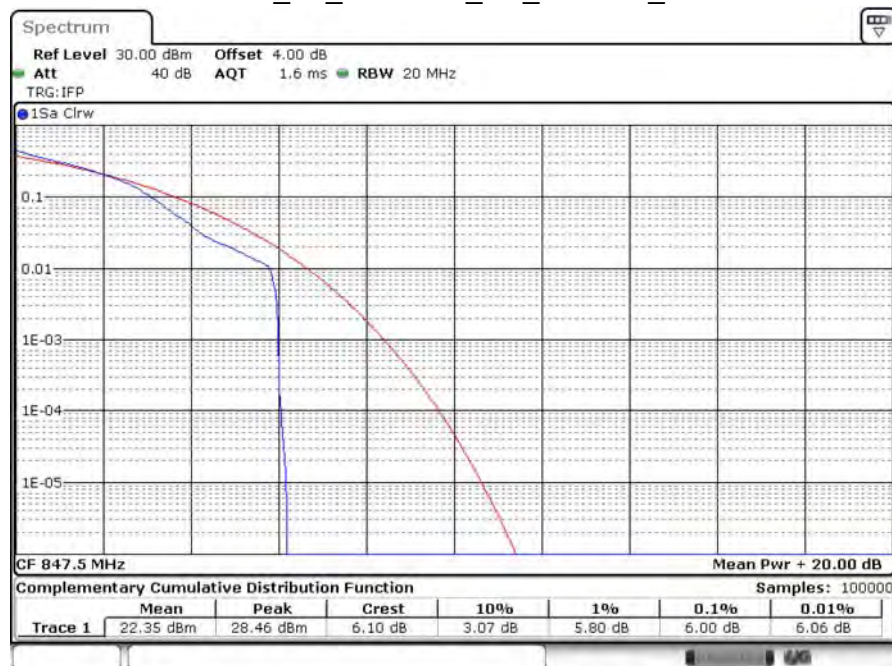
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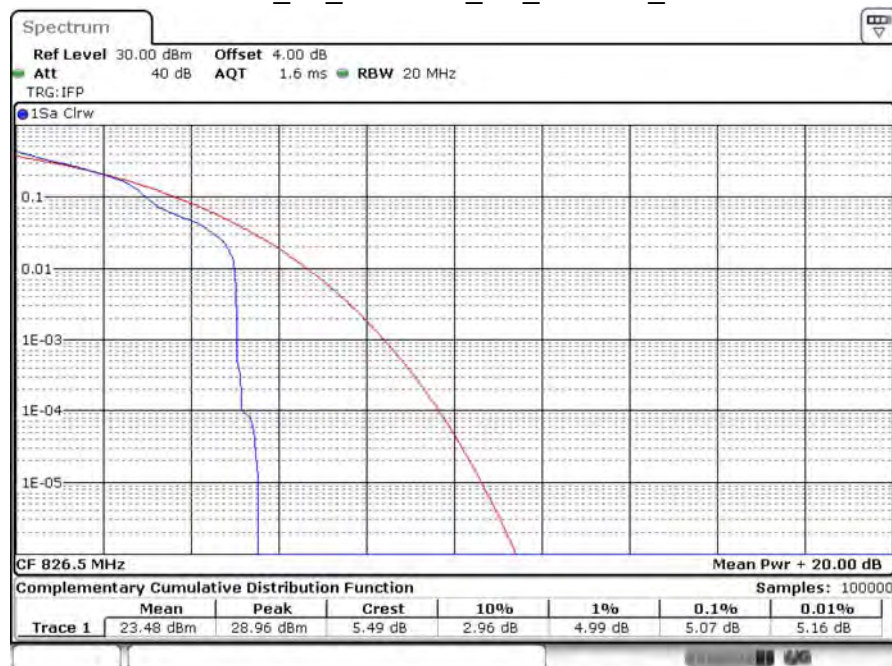
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Date: 18.JAN.2021 16:07:12

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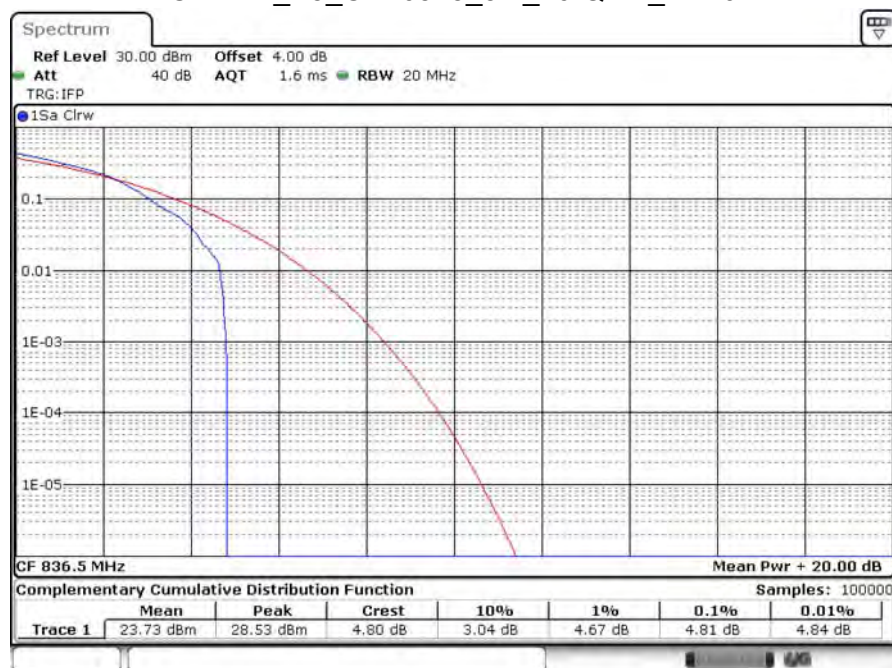
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Date: 18.JAN.2021 16:08:06

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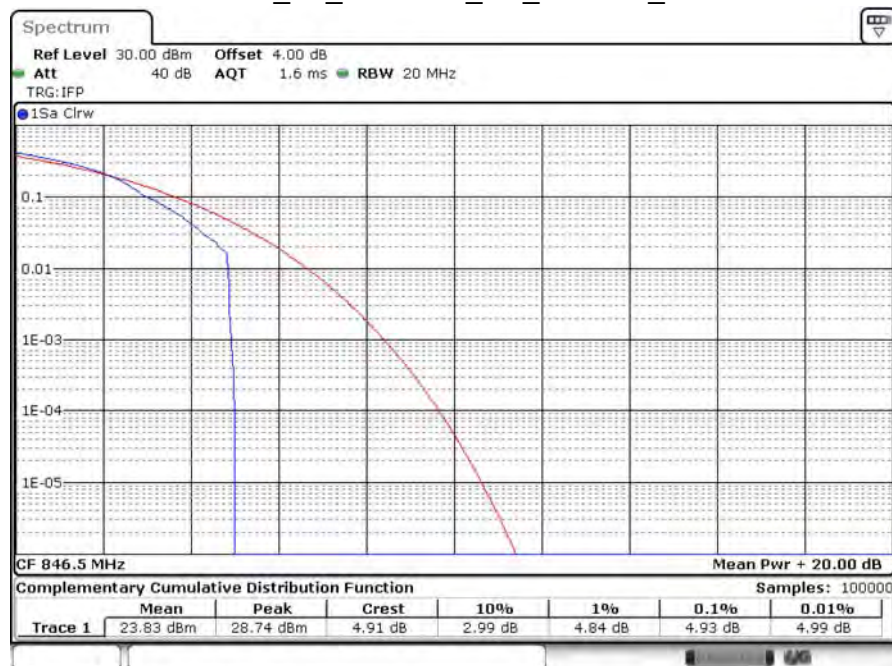
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Date: 18.JAN.2021 16:08:34

CAT-M1_B5_CH20625_5M_16-QAM_1RB5



Date: 18.JAN.2021 16:08:49

CAT-M1_B5_CH20450_10M_QPSK_1RB0



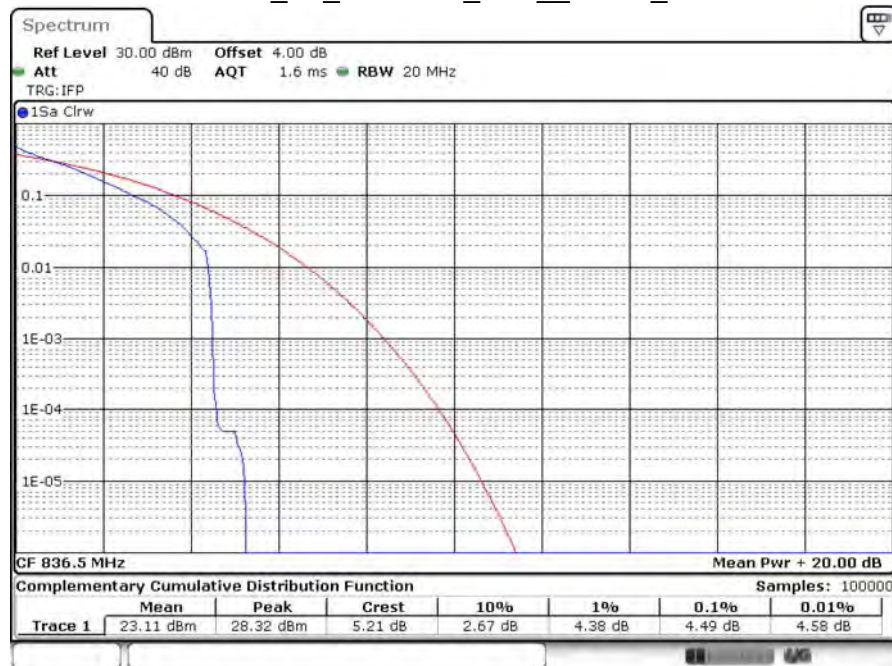
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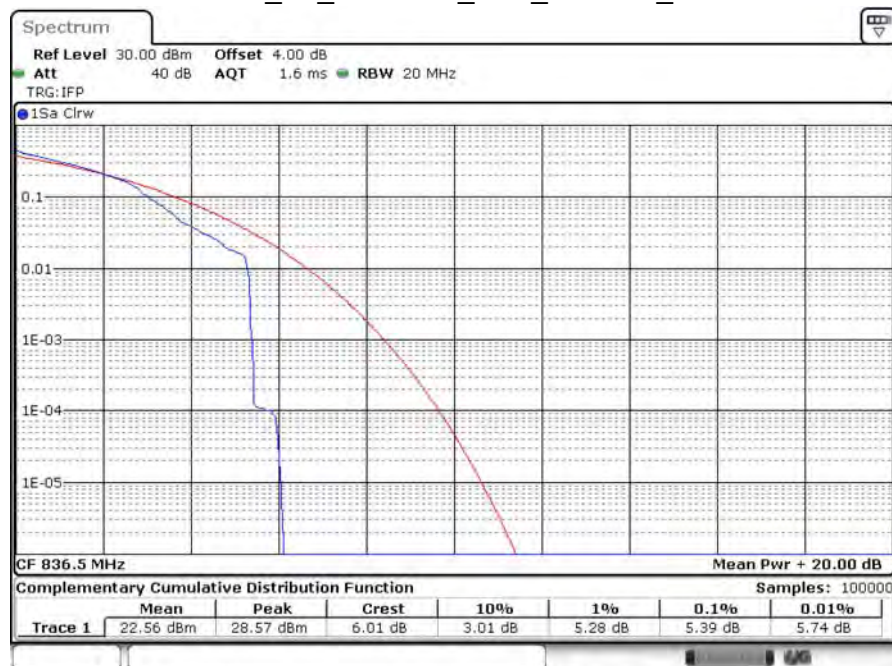
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CAT-M1_B5_CH20525_10M_QPSK_1RB0



Date: 18.JAN.2021 16:12:35

CAT-M1_B5_CH20525_10M_16-QAM_1RB0



Date: 18.JAN.2021 16:13:16

CAT-M1_B5_CH20600_10M__QPSK_1RB5



Date: 18 JAN 2021 16:13:48

CAT-M1_B5_CH20600_10M_16-QAM_1RB5



Date: 18 JAN 2021 16:13:37

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 4: Band12 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	23017	699.7	QPSK	29.08	23.84	5.16
			16-QAM	29.06	22.58	6.41
	23095	707..5	QPSK	28.92	23.73	5.13
			16-QAM	28.68	22.50	6.09
	23173	715.3	QPSK	28.79	23.76	5.01
			16-QAM	28.92	22.87	5.97
3M	23025	700.5	QPSK	28.74	23.66	5.04
			16-QAM	28.76	23.05	5.65
	23095	707..5	QPSK	29.94	23.42	5.07
			16-QAM	28.72	22.96	5.68
	23165	714.5	QPSK	29.45	23.53	4.96
			16-QAM	29.30	22.80	5.71
5M	23035	701.5	QPSK	29.78	23.86	4.99
			16-QAM	30.27	24.00	5.74
	23095	707..5	QPSK	29.14	23.29	5.01
			16-QAM	29.24	23.16	5.86
	23155	713.5	QPSK	28.38	23.44	4.90
			16-QAM	28.87	23.30	5.57
10M	23060	704	QPSK	29.67	23.25	4.99
			16-QAM	29.11	23.17	5.94
	23095	707..5	QPSK	28.45	23.18	4.99
			16-QAM	28.73	22.84	5.86
	23130	711	QPSK	28.86	23.15	4.96
			16-QAM	28.90	21.91	6.96

CAT-M1_B12_CH23017_1.4M_QPSK_1RB0



Date: 18.JAN.2021 16:16:34

CAT-M1_B12_CH23017_1.4M_16-QAM_1RB0



Date: 18.JAN.2021 16:23:47

CAT-M1_B12_CH23095_1.4M__QPSK_1RB0



Date: 18 JAN 2021 16:26:07

CAT-M1_B12_CH23095_1.4M_16-QAM_1RB0



Date: 18 JAN 2021 16:25:30

CAT-M1_B12_CH23173_1.4M_QPSK_1RB5



Date: 18 JAN 2021 16:26:54

CAT-M1_B12_CH23173_1.4M_16-QAM_1RB5



Date: 18 JAN 2021 16:27:08

CAT-M1_B12_CH23025_3M__QPSK_1RB0



Date: 18.JAN.2021 16:51:40

CAT-M1_B12_CH23025_3M_16-QAM_1RB0



Date: 18.JAN.2021 16:51:24

CAT-M1_B12_CH23095_3M__QPSK_1RB0



Date: 18.JAN.2021 16:52:13

CAT-M1_B12_CH23095_3M_16-QAM_1RB0



Date: 18.JAN.2021 17:00:40

CAT-M1_B12_CH23165_3M__QPSK_1RB5



Date: 18.JAN.2021 17:03:47

CAT-M1_B12_CH23165_3M_16-QAM_1RB5



Date: 18.JAN.2021 17:03:29

CAT-M1_B12_CH23035_5M__QPSK_1RB0



Date: 18.JAN.2021 17:13:18

CAT-M1_B12_CH23035_5M_16-QAM_1RB0



Date: 18.JAN.2021 17:21:29

CAT-M1_B12_CH23095_5M__QPSK_1RB0



Date: 18.JAN.2021 17:16:02

CAT-M1_B12_CH23095_5M_16-QAM_1RB0



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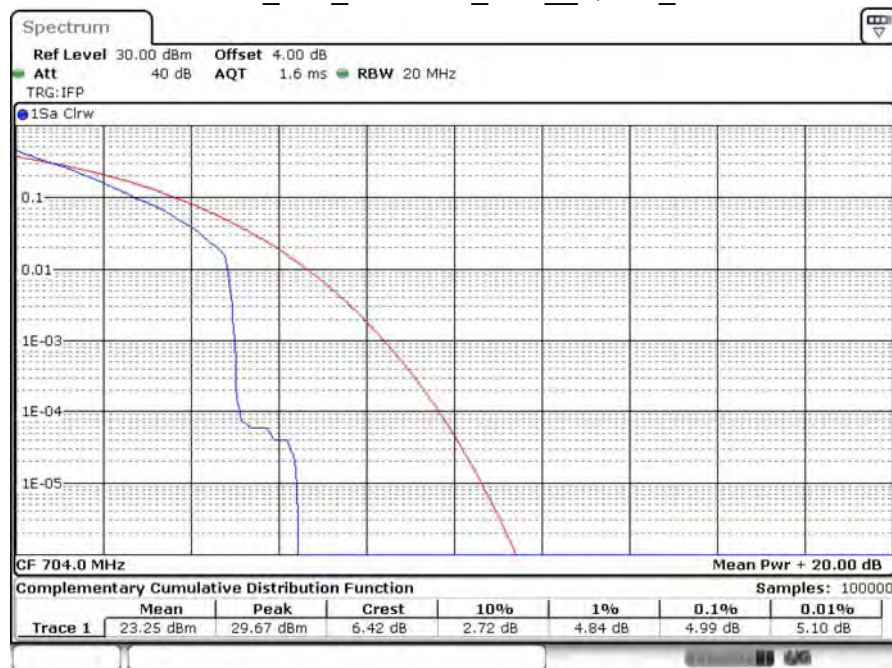
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CAT-M1_B12_CH23060_10M_QPSK_1RB0



Date: 18 JAN 2021 17:22:26

CAT-M1_B12_CH23060_10M_16-QAM_1RB0



Date: 18 JAN 2021 17:22:08

CAT-M1_B12_CH23095_10M_QPSK_1RB0



Date: 18.JAN.2021 17:31:32

CAT-M1_B12_CH23095_10M_16-QAM_1RB0



Date: 18.JAN.2021 17:33:14

CAT-M1_B12_CH23130_10M_QPSK_1RB5



Date: 18.JAN.2021 17:34:03

CAT-M1_B12_CH23130_10M_16-QAM_1RB5



Date: 18.JAN.2021 17:33:52

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 5: Band13 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

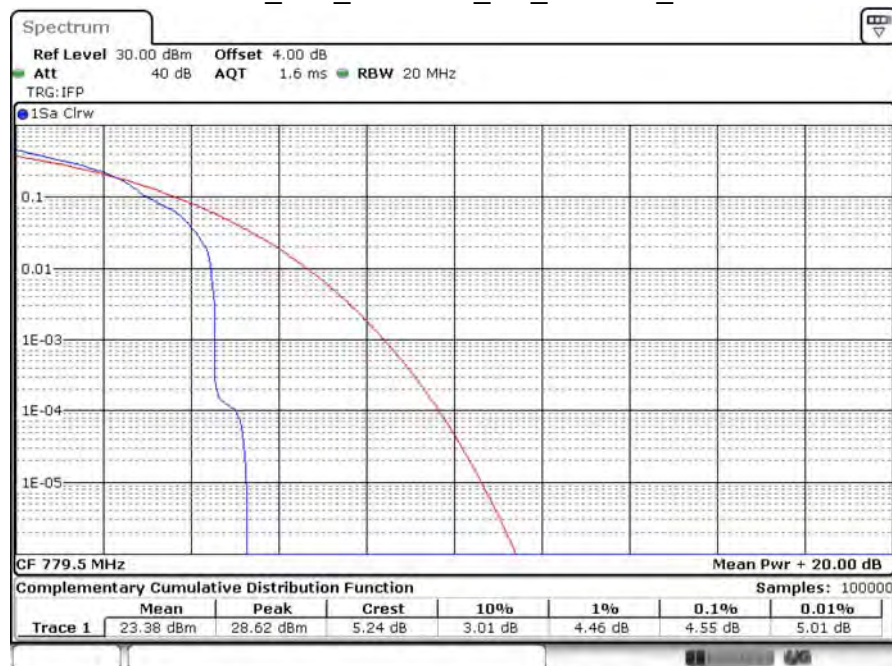
BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
5M	23205	779.5	QPSK	28.03	23.24	4.12
			16-QAM	28.62	23.38	4.55
	23230	782	QPSK	28.16	23.74	3.97
			16-QAM	28.21	24.04	4.17
	23255	784.5	QPSK	27.57	23.68	3.88
			16-QAM	28.10	23.83	4.29
10M	23230	782 low	QPSK	27.89	23.10	4.03
			16-QAM	27.78	23.19	4.38
		782 high	QPSK	27.75	23.31	4.03
			16-QAM	28.08	23.39	4.43

CAT-M1_B13_CH23205_5M__QPSK_1RB0



Date: 18.JAN.2021 17:49:49

CAT-M1_B13_CH23205_5M_16-QAM_1RB0



Date: 18.JAN.2021 17:49:39

CAT-M1_B13_CH23230_5M__QPSK_1RB0



Date: 18.JAN.2021 17:50:06

CAT-M1_B13_CH23230_5M_16-QAM_1RB0



Date: 18.JAN.2021 17:50:19

CAT-M1_B13_CH23255_5M__QPSK_1RB5



Date: 18.JAN.2021 17:49:07

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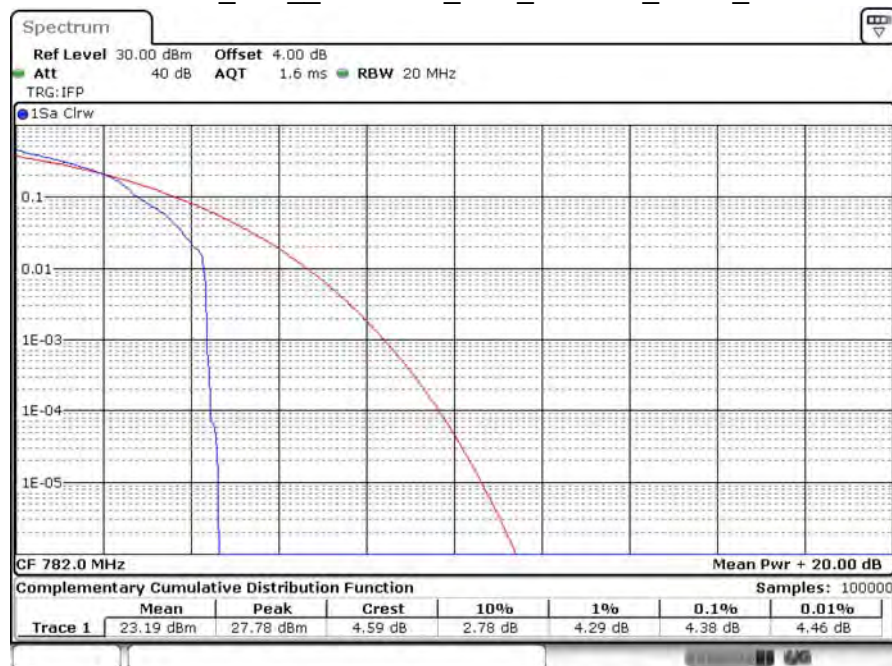
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Date: 18.JAN.2021 17:51:21

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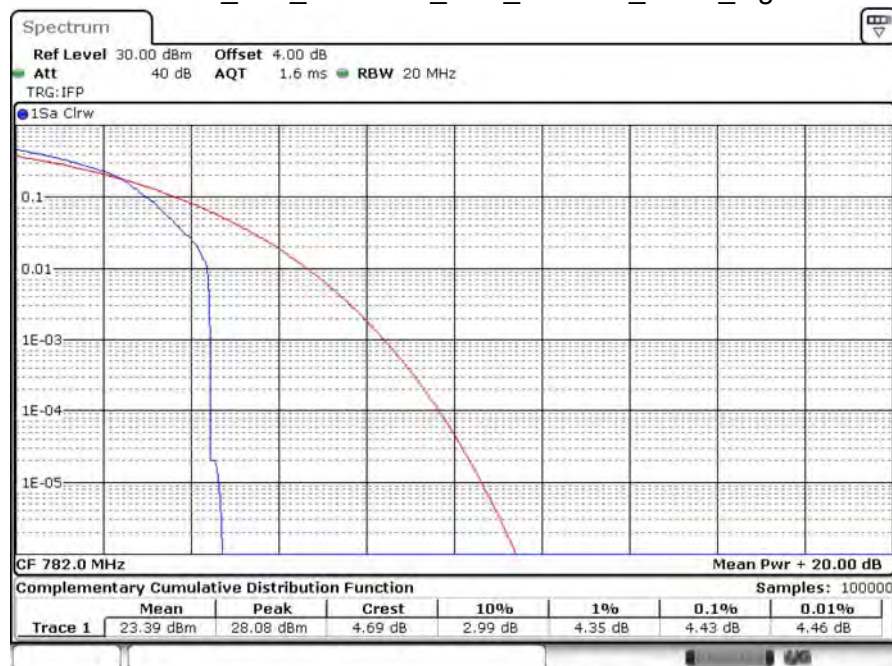
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CAT-M1_B13_CH23230_10M_QPSK_1RB5_high



Date: 18.JAN.2021 17:51:11

CAT-M1_B13_CH23230_10M_16-QAM_1RB5_high



Date: 18.JAN.2021 17:51:01

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 6: Band26_Part22 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	26797	824.7	QPSK	28.04	23.48	4.52
			16-QAM	28.02	22.46	5.54
	26915	836.5	QPSK	28.21	23.52	4.64
			16-QAM	28.16	22.73	5.42
	27033	848.3	QPSK	28.23	23.38	4.78
			16-QAM	28.23	22.35	5.80
3M	26805	825.5	QPSK	29.18	23.57	4.43
			16-QAM	28.08	22.64	5.39
	26915	836.5	QPSK	28.89	23.50	4.58
			16-QAM	28.59	22.72	5.42
	27025	847.5	QPSK	28.19	23.56	4.61
			16-QAM	29.31	22.93	5.25
5M	26815	826.5	QPSK	28.75	23.55	4.41
			16-QAM	28.67	23.26	5.07
	26915	836.5	QPSK	28.79	23.30	4.58
			16-QAM	28.30	23.11	5.16
	27015	846.5	QPSK	28.16	23.58	4.55
			16-QAM	28.35	23.02	5.30
10M	26840	829	QPSK	27.46	22.93	4.46
			16-QAM	28.13	22.81	5.07
	26915	836.5	QPSK	27.58	23.10	4.43
			16-QAM	28.00	22.98	5.01
	26990	844	QPSK	28.56	23.22	4.58
			16-QAM	28.28	23.23	5.01

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
15M	26865	831.5	QPSK	26.69	22.21	4.46
			16-QAM	28.07	22.02	5.10
	26915	836.5	QPSK	27.79	22.14	4.46
			16-QAM	28.03	21.77	5.28
	26965	841.5	QPSK	27.37	22.84	4.49
			16-QAM	28.27	22.57	5.10

CAT-M1_B26_CH26797_1.4M_QPSK_1RB0



Date: 19.JAN.2021 11:27:19

CAT-M1_B26_CH26797_1.4M_16-QAM_1RB0



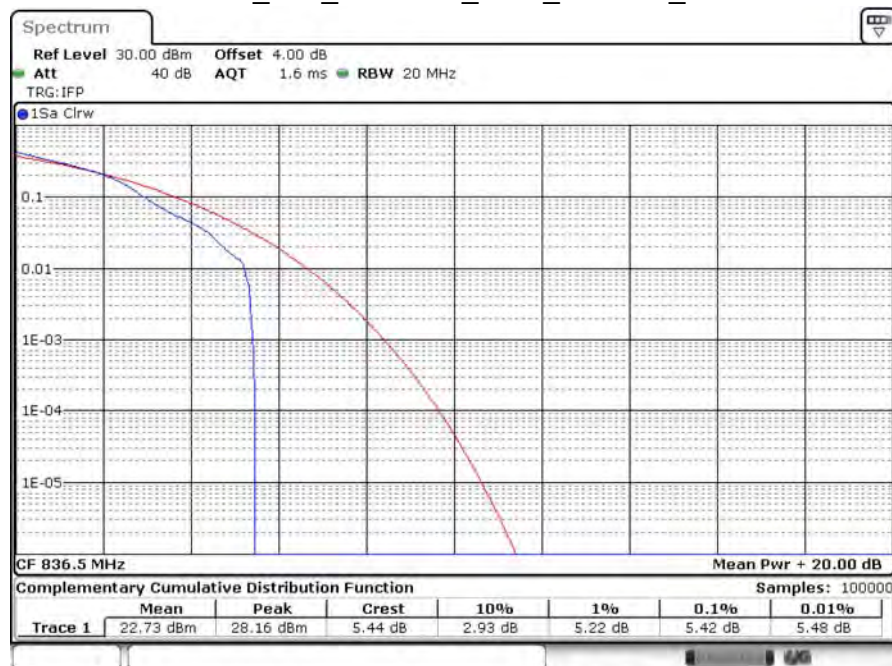
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Date: 19.JAN.2021 11:37:14

CAT-M1_B26_CH26915_1.4M_16-QAM_1RB0



Date: 19.JAN.2021 11:36:58

CAT-M1_B26_CH27033_1.4M_QPSK_1RB5



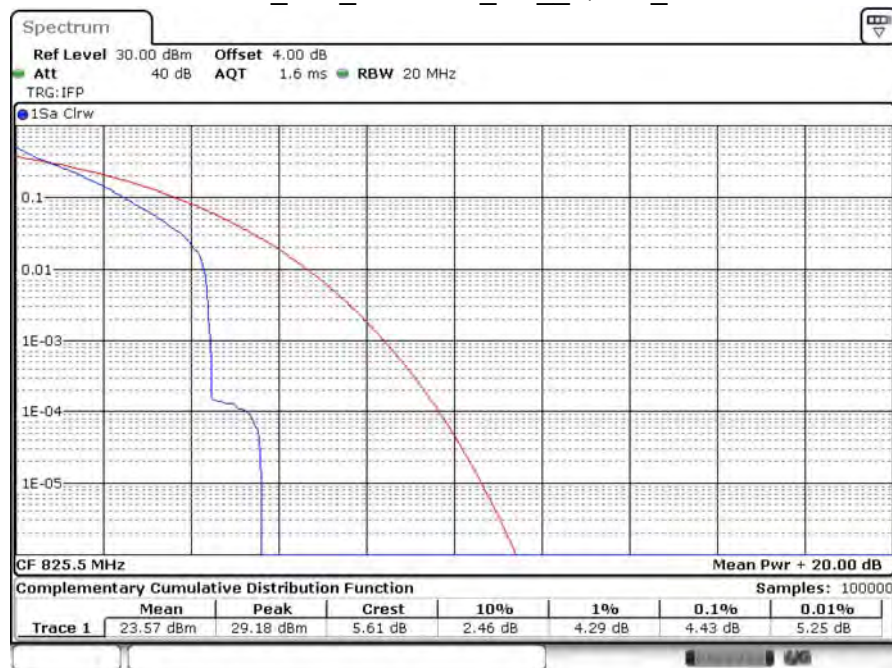
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Date: 19.JAN.2021 16:26:55

CAT-M1_B26_CH26805_3M__QPSK_6RB0



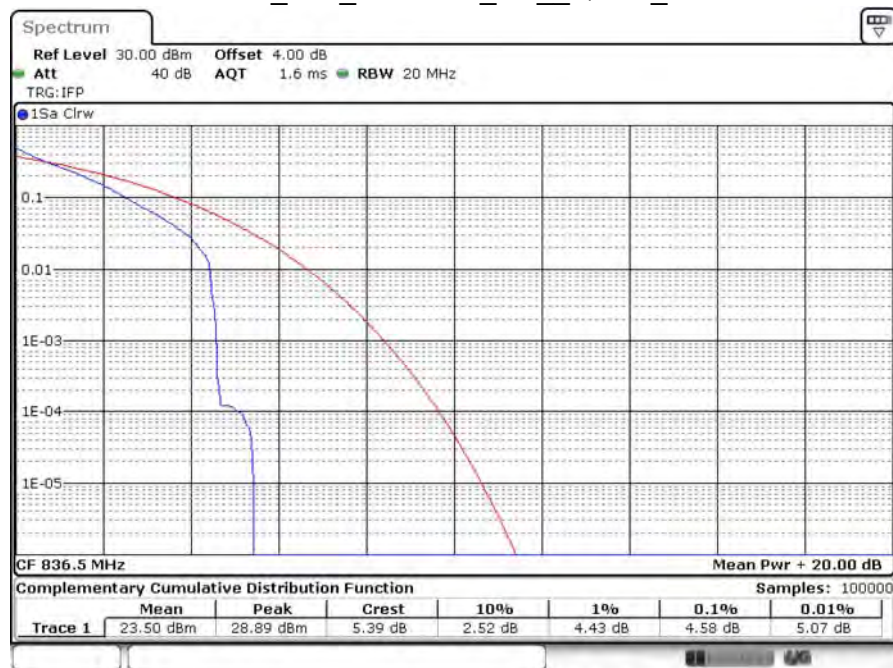
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Date: 19.JAN.2021 13:34:15

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Date: 19.JAN.2021 13:33:05

CAT-M1_B26_CH26915_3M_16-QAM_6RB0



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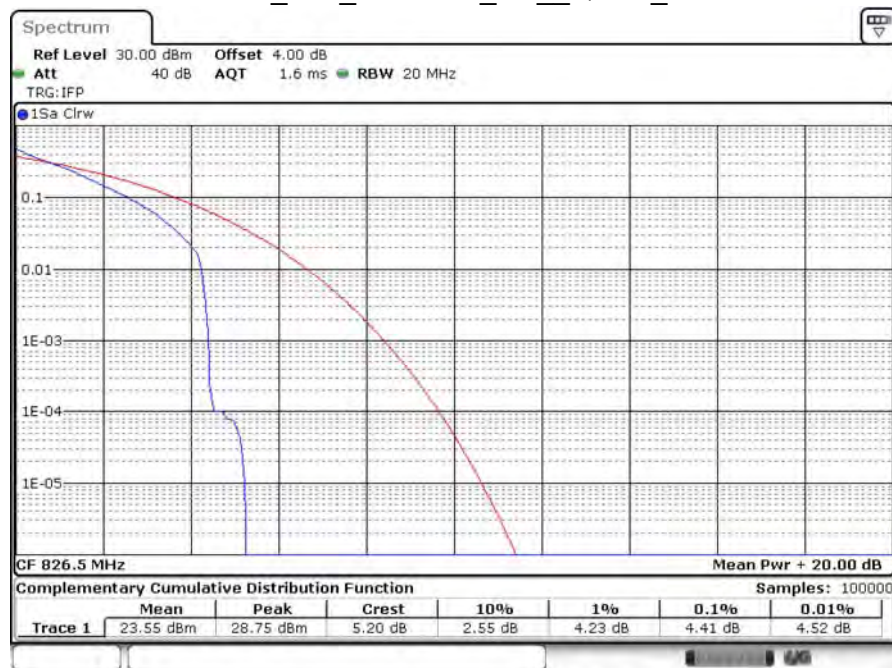
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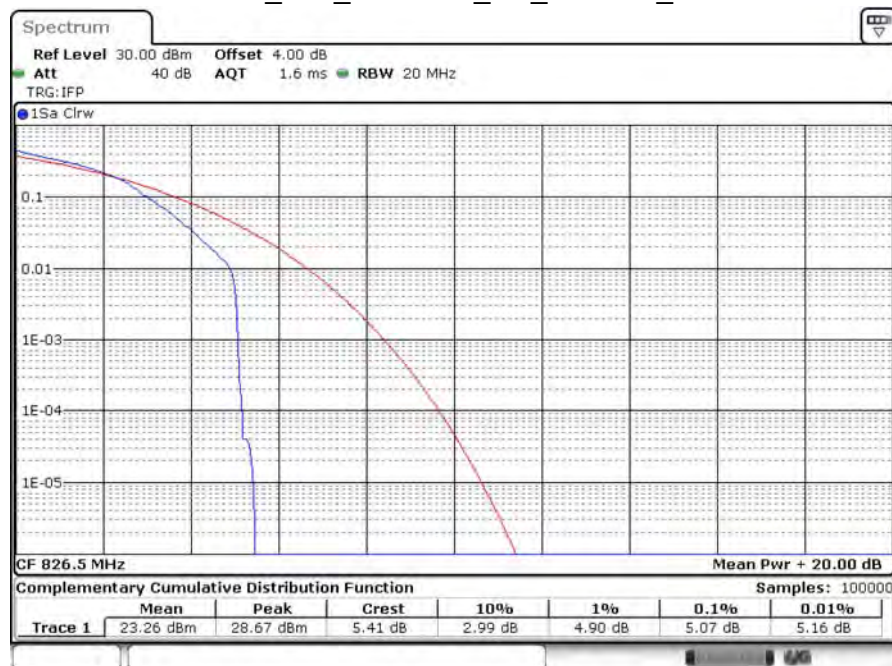
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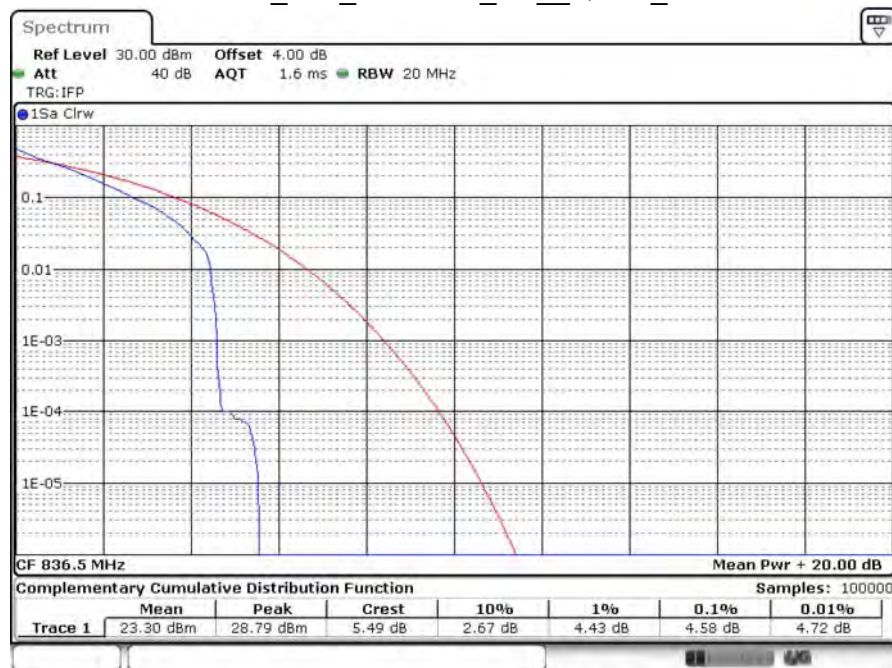
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Date: 19.JAN.2021 13:40:26

CAT-M1_B26_CH26915_5M__QPSK_1RB0



Date: 19.JAN.2021 13:41:32

CAT-M1_B26_CH26915_5M_16-QAM_1RB0



Date: 19.JAN.2021 13:41:13

CAT-M1_B26_CH27015_5M__QPSK_1RB5



Date: 19.JAN.2021 13:43:21

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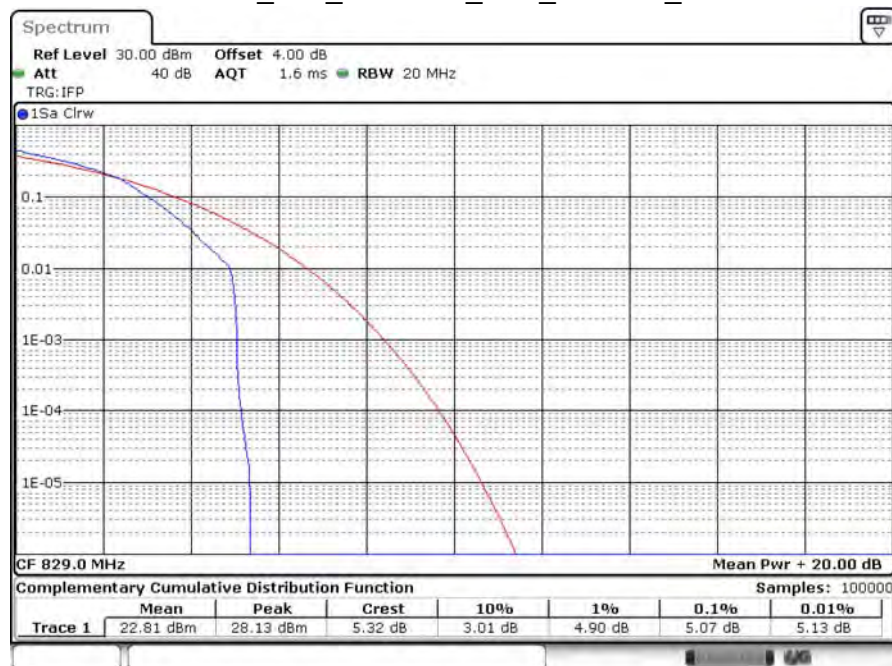
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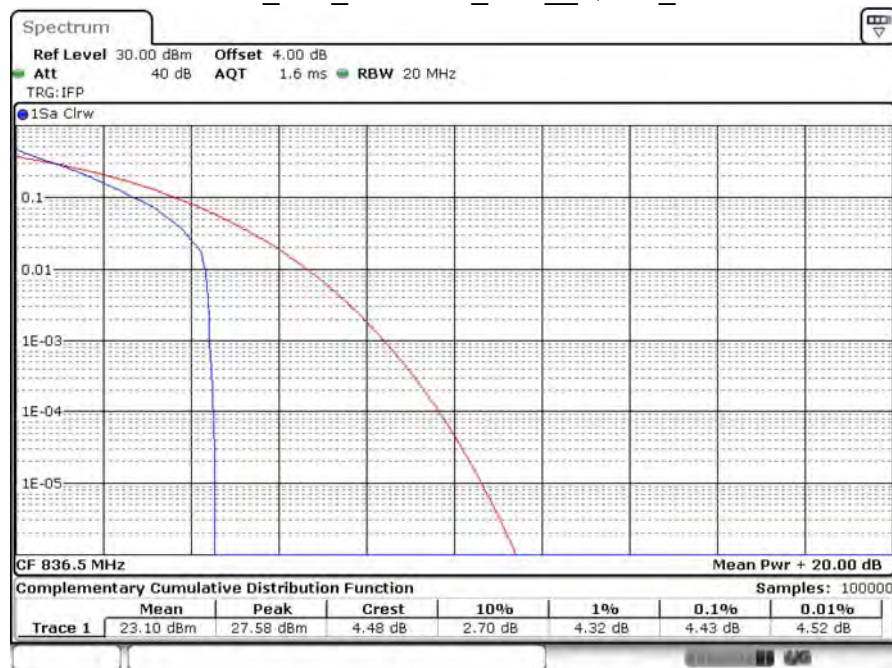
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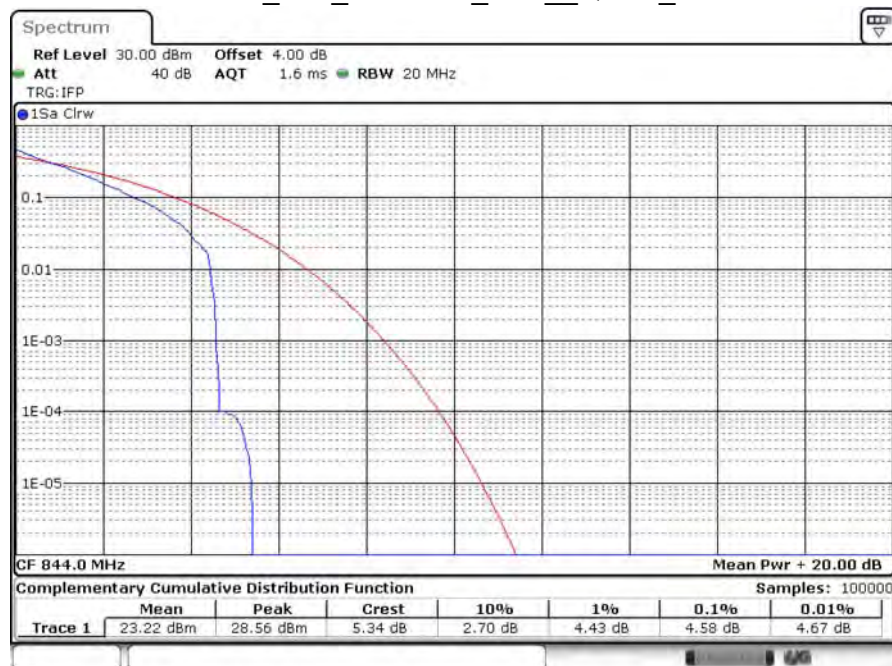
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Date: 19.JAN.2021 13:50:36

CAT-M1_B26_CH26990_10M_QPSK_1RB5



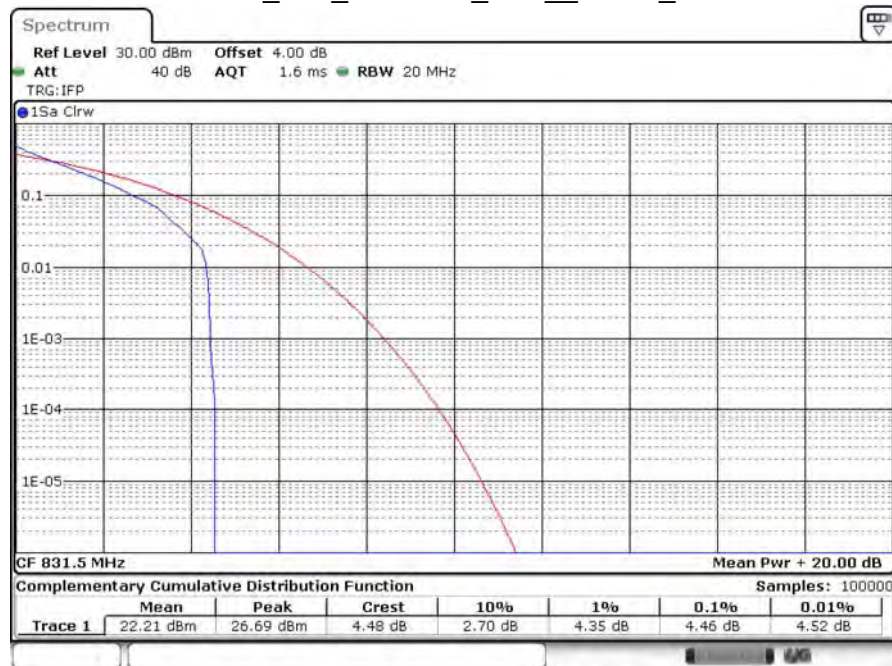
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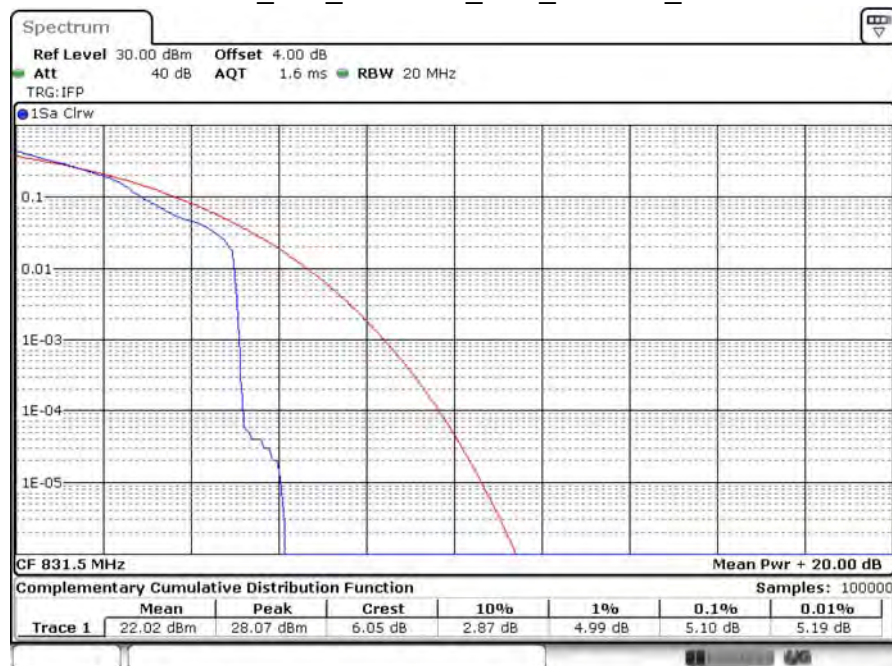
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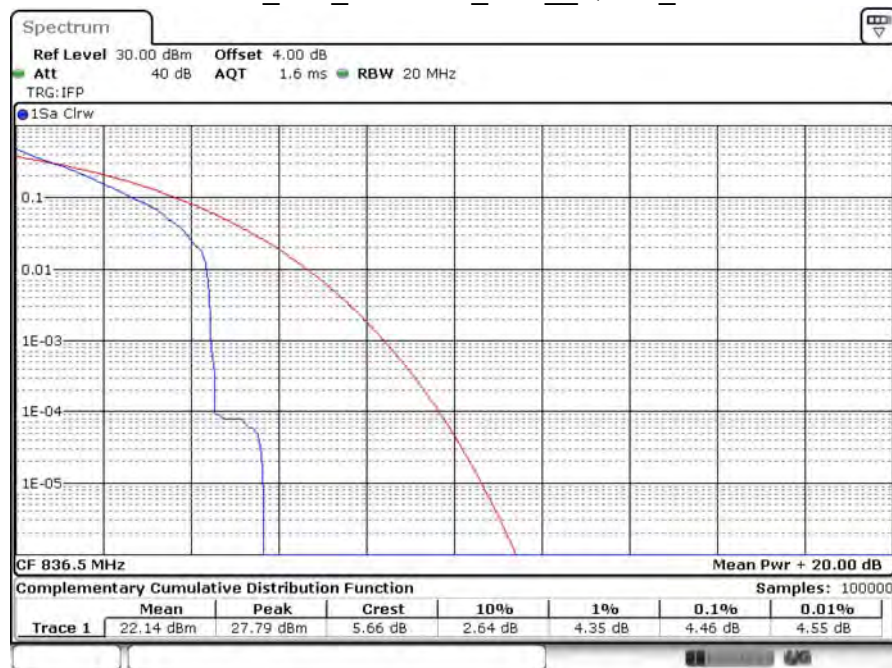
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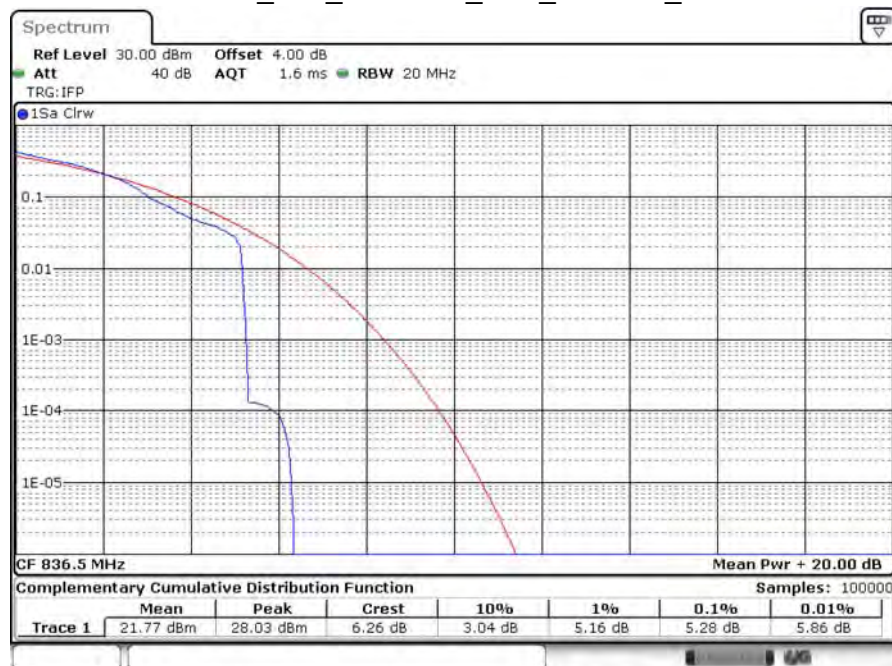
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CAT-M1_B26_CH26915_15M_QPSK_1RB0



Date: 19.JAN.2021 14:01:54

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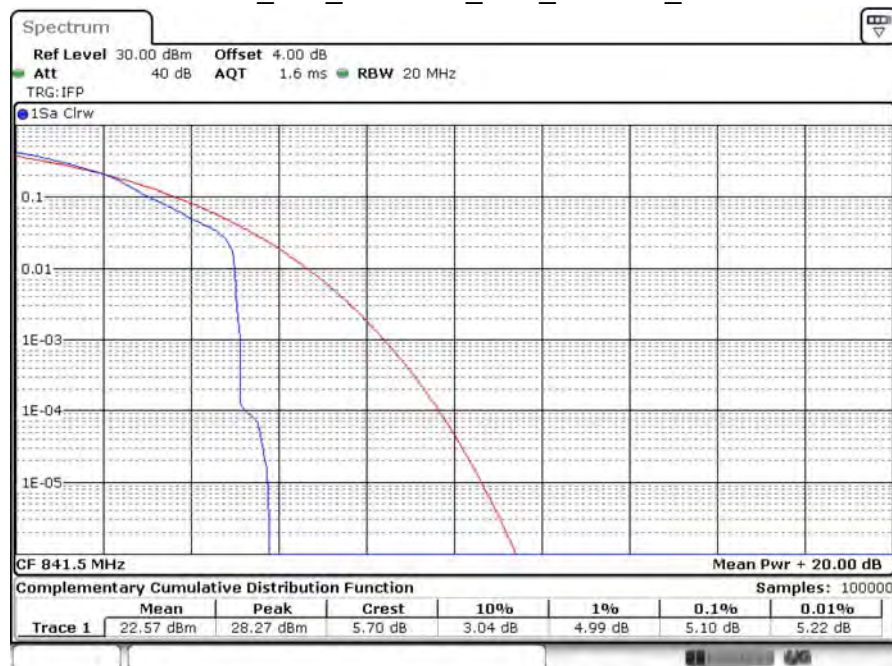
Date: 19.JAN.2021 14:00:36

CAT-M1_B26_CH26965_15M_QPSK_1RB5



Date: 19.JAN.2021 14:02:35

CAT-M1_B26_CH26965_15M_16-QAM_1RB5

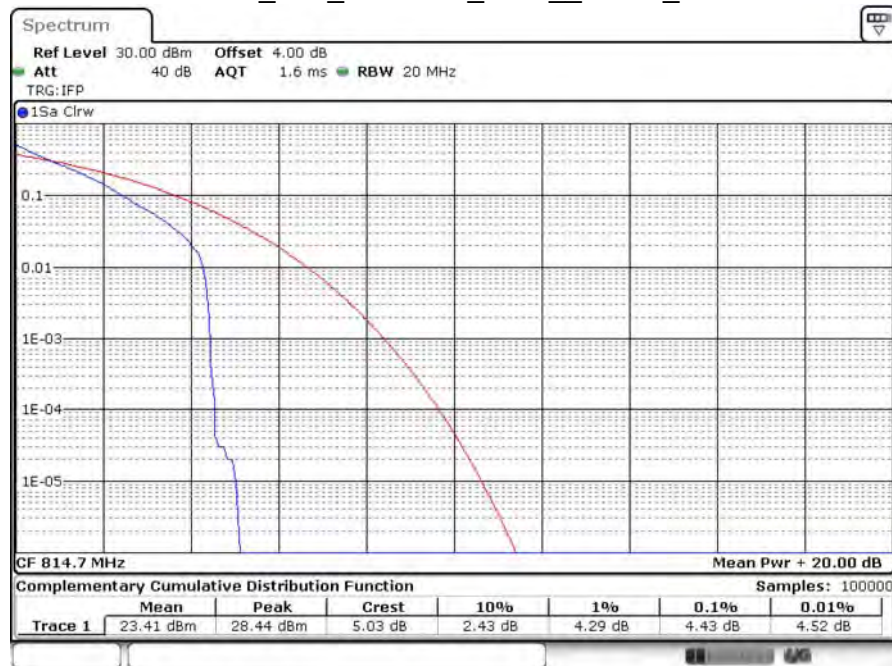


Date: 19.JAN.2021 14:04:03

Product	Connectivity Module		
Test Item	Peak To Average Ratio		
Test Mode	Mode 7: Band26_Part90 Link		
Date of Test	2021/01/19	Test Site	SR12-H
Temperature (°C)	24	Humidity (%RH)	59

BW	Ch	Freq. (MHz)	Modulation	Peak (dBm)	Average (dBm)	PAPR (dB)
1.4M	26697	814.7	QPSK	28.44	23.41	4.43
			16-QAM	27.98	22.54	5.39
	26740	819	QPSK	28.05	23.50	4.46
			16-QAM	28.25	22.55	5.36
	26783	823.3	QPSK	28.15	23.57	4.52
			16-QAM	28.34	22.76	5.39
3M	26705	815.5	QPSK	29.04	23.60	4.32
			16-QAM	27.90	22.48	5.36
	26740	819	QPSK	27.90	23.49	4.38
			16-QAM	29.10	22.48	5.39
	26775	822.5	QPSK	29.01	23.63	4.41
			16-QAM	28.17	23.08	5.04
5M	26715	816.5	QPSK	27.76	23.37	4.38
			16-QAM	28.27	23.55	4.70
	26740	819	QPSK	27.77	23.41	4.35
			16-QAM	28.31	23.19	4.99
	26765	821.5	QPSK	27.80	23.41	4.38
			16-QAM	28.78	23.58	4.90
10M	26740	819 low	QPSK	28.06	23.12	4.29
			16-QAM	27.81	22.54	5.25
		819 high	QPSK	27.49	22.63	4.84
			16-QAM	28.94	22.88	5.07

CAT-M1_B26_CH26697_1.4M_QPSK_1RB0



Date: 19.JAN.2021 09:47:28

CAT-M1_B26_CH26697_1.4M_16-QAM_1RB0



Date: 19.JAN.2021 09:57:26

CAT-M1_B26_CH26740_1.4M_QPSK_1RB0



Date: 19.JAN.2021 09:59:17

CAT-M1_B26_CH26740_1.4M_16-QAM_1RB0



Date: 19.JAN.2021 09:58:24

CAT-M1_B26_CH26783_1.4M_QPSK_1RB5



Date: 19.JAN.2021 10:02:34

CAT-M1_B26_CH26783_1.4M_16-QAM_1RB5



Date: 19.JAN.2021 10:07:24

CAT-M1_B26_CH26705_3M__QPSK_1RB0



Date: 19.JAN.2021 10:16:16

CAT-M1_B26_CH26705_3M_16-QAM_1RB0



Date: 19.JAN.2021 10:15:15

CAT-M1_B26_CH26740_3M__QPSK_1RB0



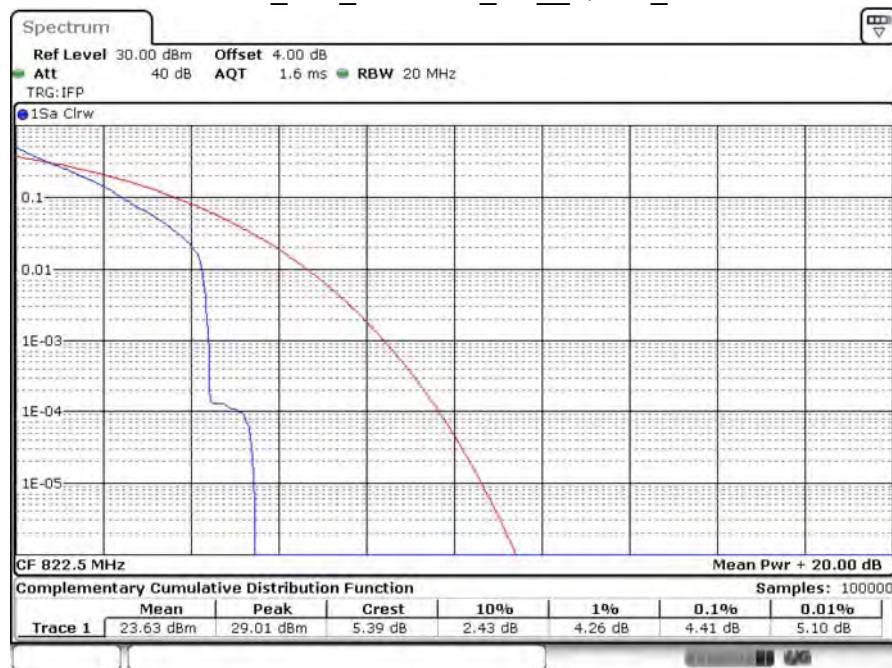
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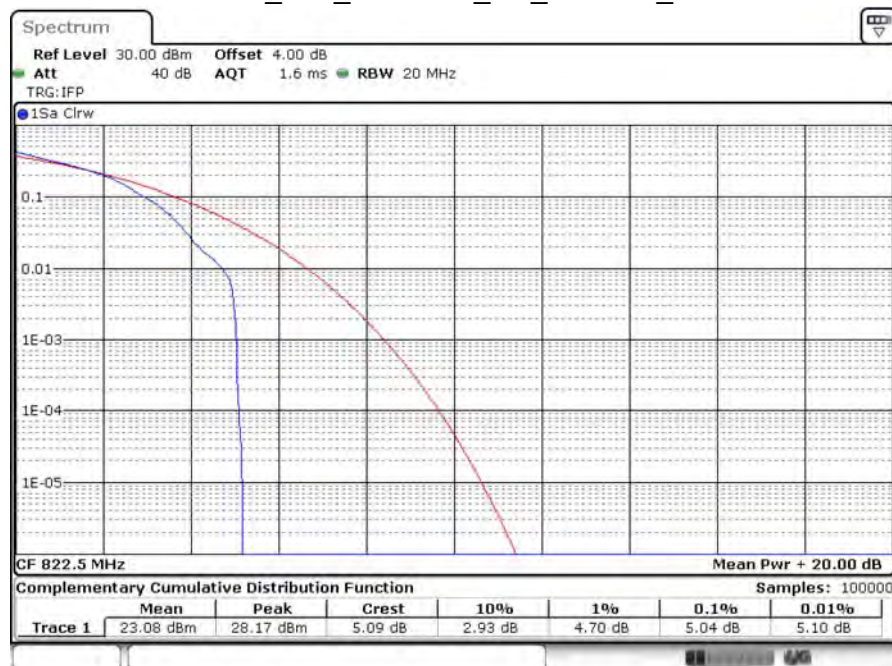
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Date: 19.JAN.2021 10:39:09

CAT-M1_B26_CH26775_3M_16-QAM_1RB5



Date: 19.JAN.2021 10:38:47

CAT-M1_B26_CH26715_5M_QPSK_1RB0



Date: 19.JAN.2021 11:01:37

CAT-M1_B26_CH26715_5M_16-QAM_1RB0



Date: 19.JAN.2021 11:00:56

CAT-M1_B26_CH26740_5M__QPSK_1RB0



Date: 19.JAN.2021 11:07:43

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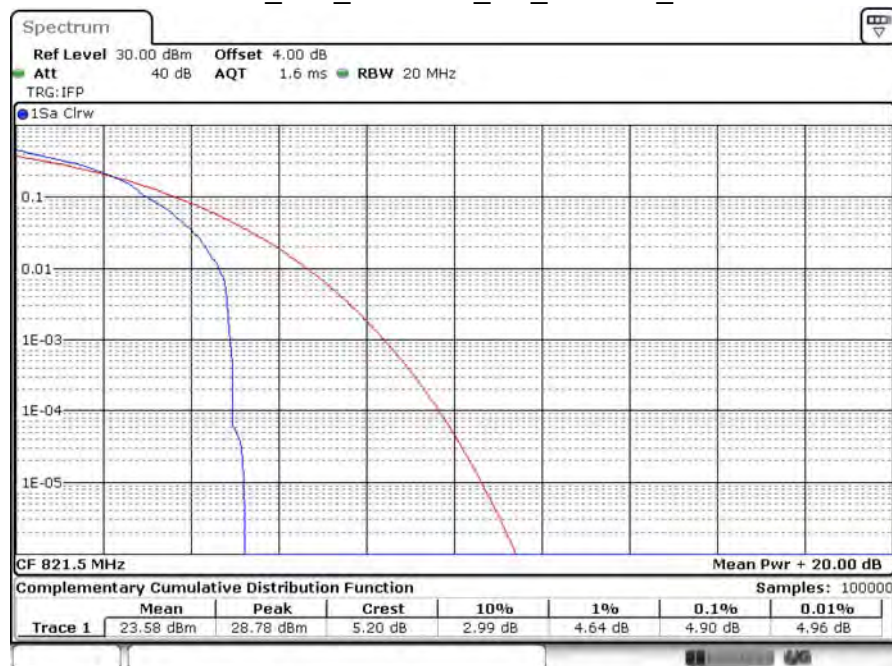
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Date: 19.JAN.2021 11:13:43

CAT-M1_B26_CH26765_5M_16-QAM_1RB5



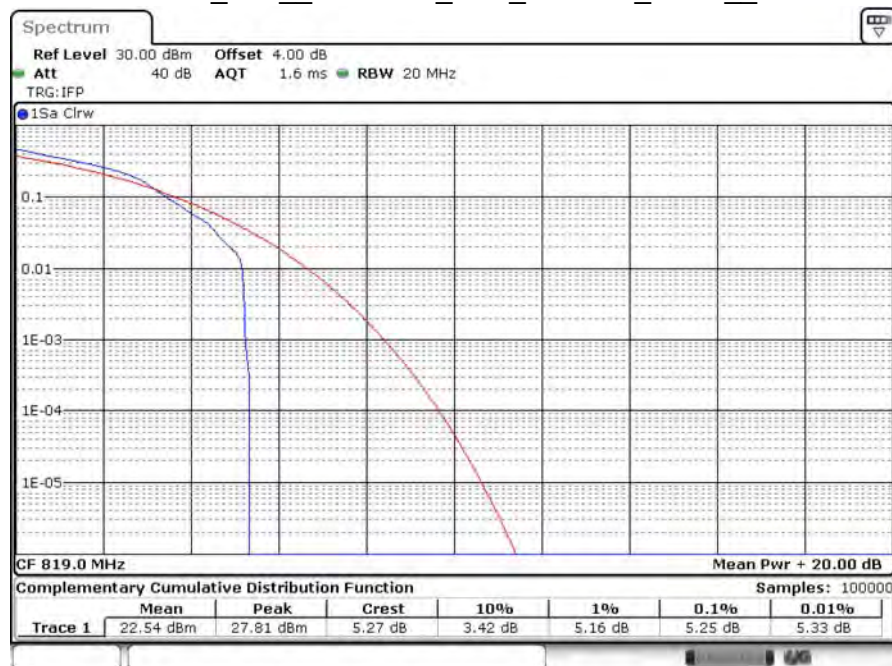
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CAT-M1_B26__CH26740_10M__QPSK_1RB0__low



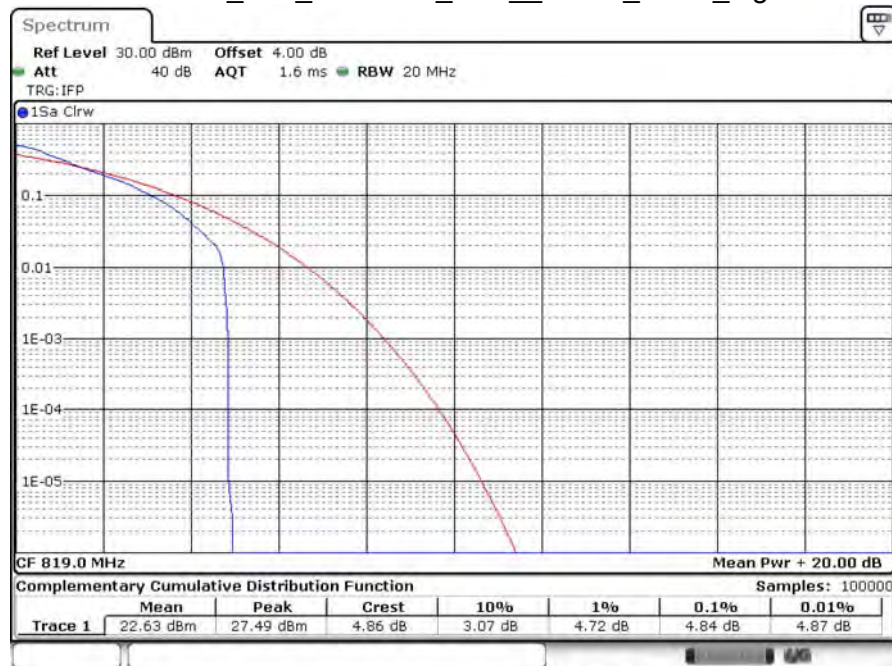
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CAT-M1_B26__CH26740_10M_16-QAM_1RB0__low



Date: 19.JAN.2021 11:16:48

CAT-M1_B26_CH26740_10M_QPSK_1RB5_high



Date: 19.JAN.2021 11:17:31

CAT-M1_B26_CH26740_10M_16-QAM_1RB5_high

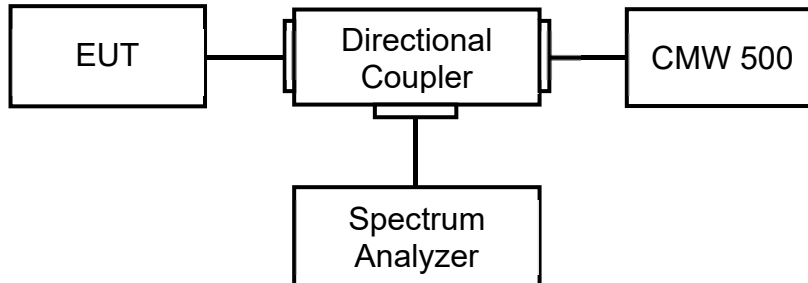


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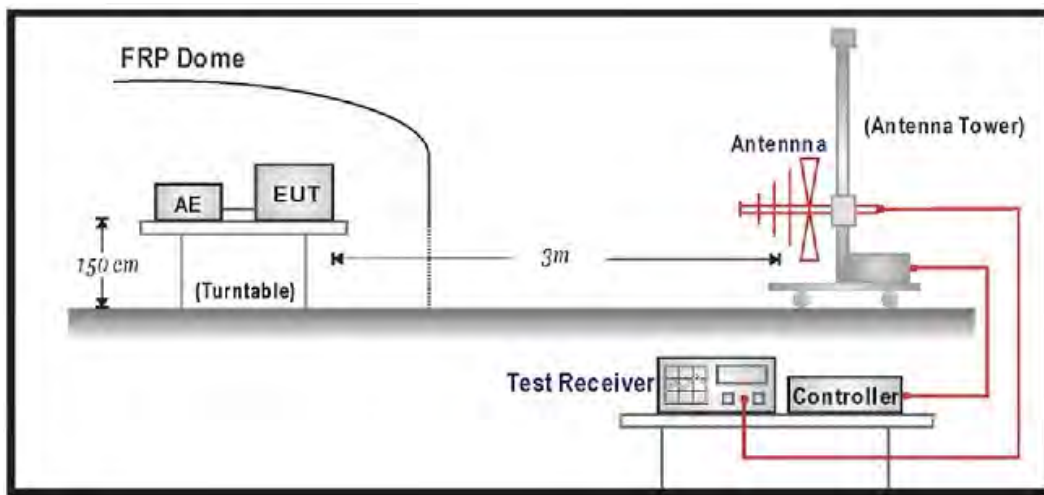
6. Spurious Emissions

6.1. Test Setup

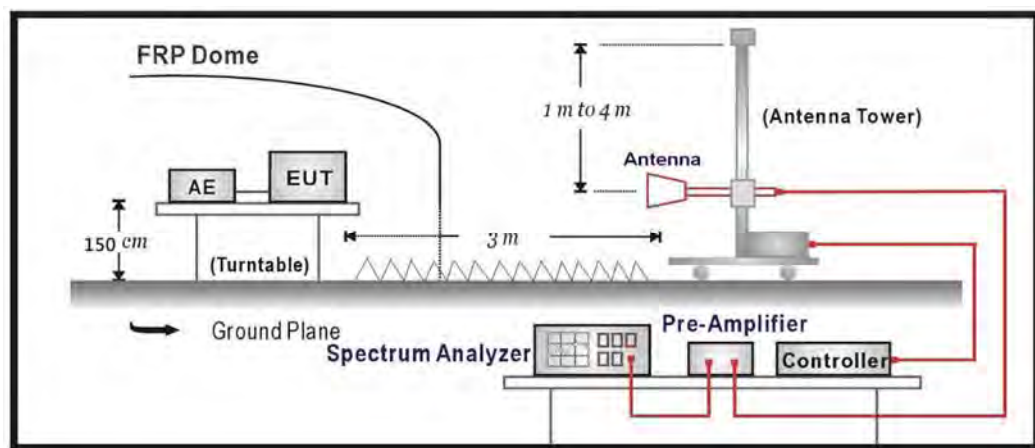
Conducted Spurious Measurement:



Radiated Spurious Measurement (below 1GHz)



Radiated Spurious Measurement (above 1GHz)



6.2. Test Procedure

Conducted Spurious Measurement:

- a) Place the EUT on a bench and set it in transmitting mode.
- b) Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- c) EUT Communicate with CMW500, then select a channel for testing.
- d) Add a correction factor to the display of spectrum, and then test.
- e) The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

- a) The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
- b) The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- c) The table was rotated 360 degrees to determine the position of the highest spurious emission.
- d) The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
- e) Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 1MHz, Sweep 500ms, Taking the record of maximum spurious emission.
- f) A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- g) Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- h) Taking the record of output power at antenna port
- i) Repeat step 7 to step 8 for another polarization.
- j) $EIRP = SG - \text{Cable loss} + \text{Antenna Gain}$

6.3. Test Method

Conducted Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 6.1
ANSI C63.26: 2015 Sub-clause 5.7

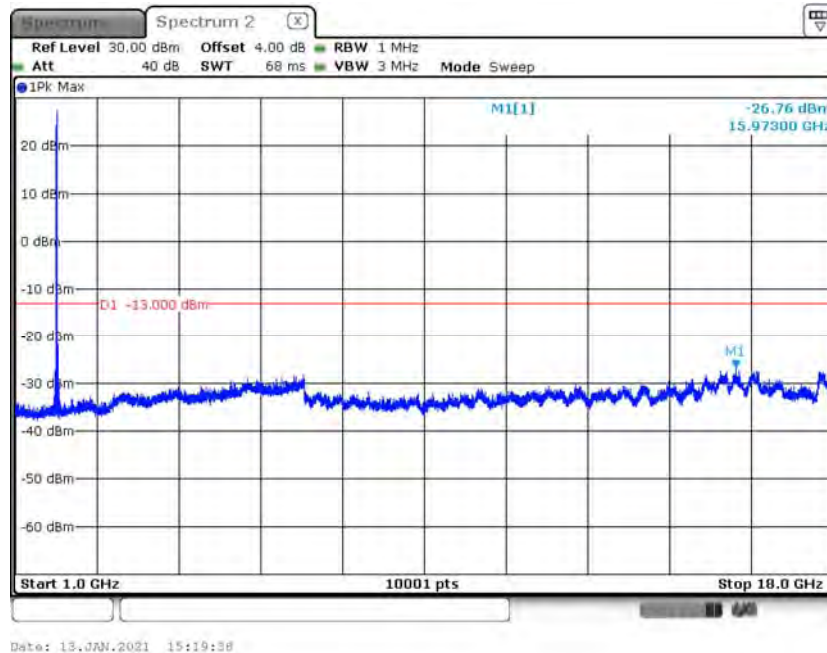
Radiated Spurious Measurement:

KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 5.8
ANSI C63.26: 2015 Sub-clause 5.5.3.2

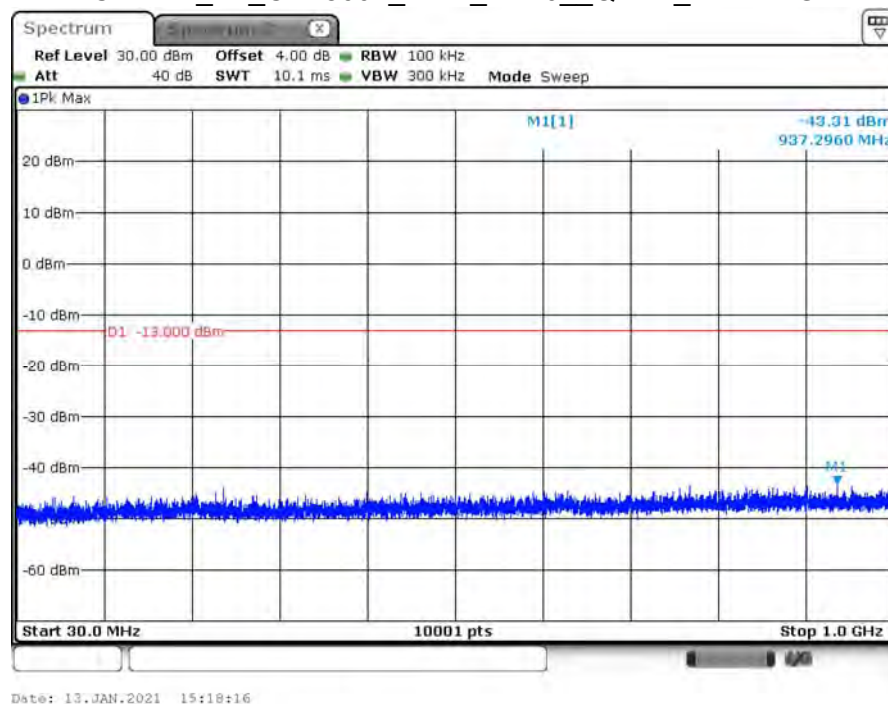
6.4. Test Result

Product	Connectivity Module		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 1: Band2 Link		
Date of Test	2021/01/13	Test Site	SR12-H
Temperature (°C)	20	Humidity (%RH)	59

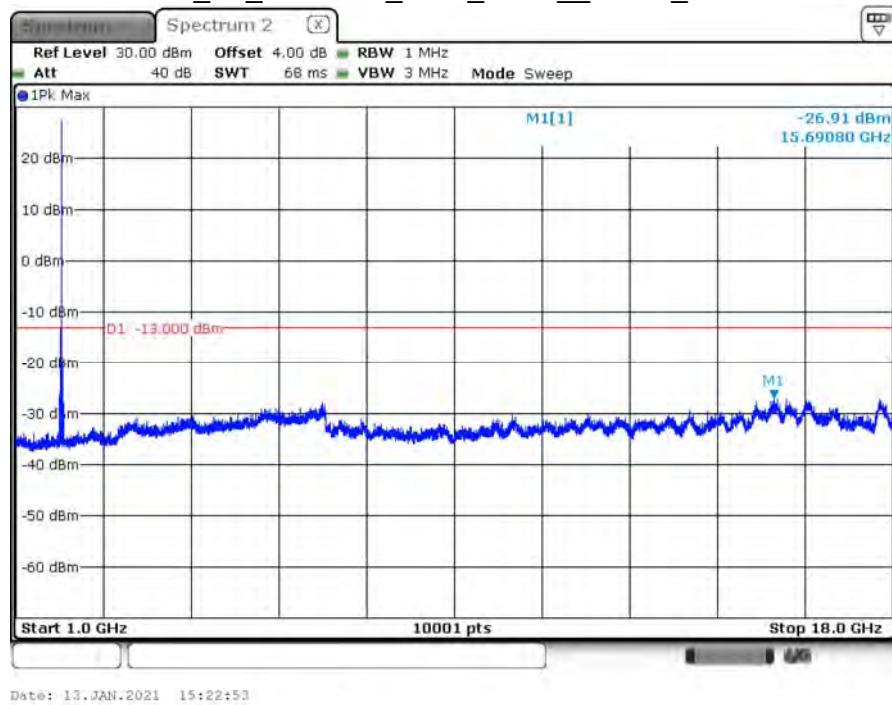
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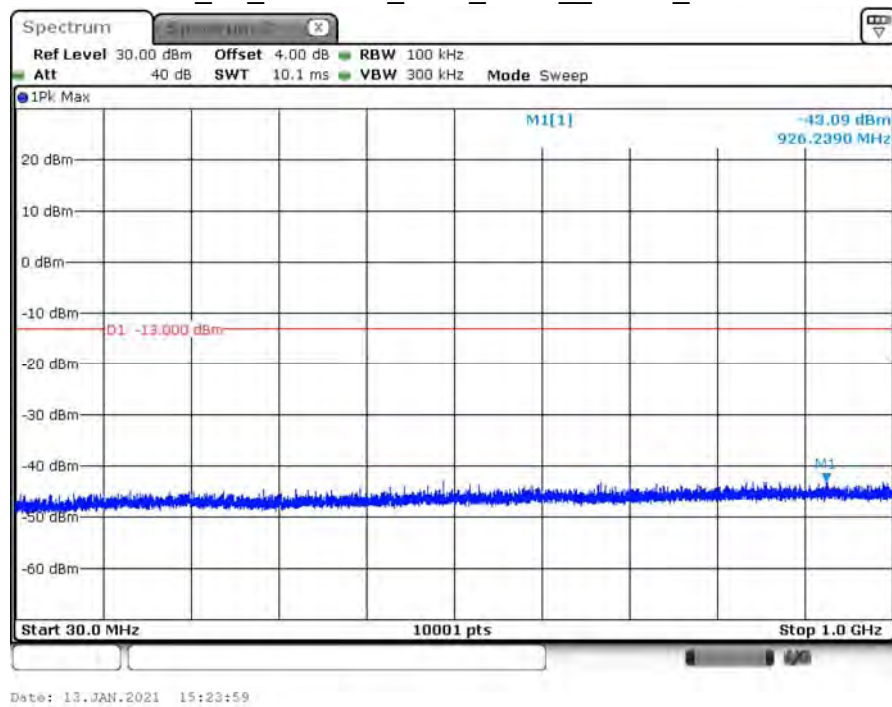
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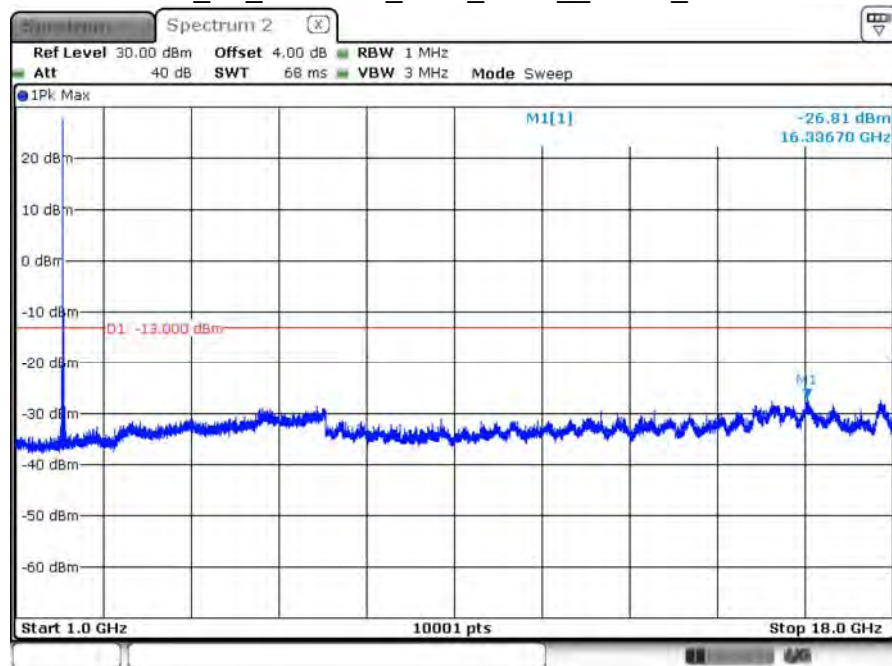
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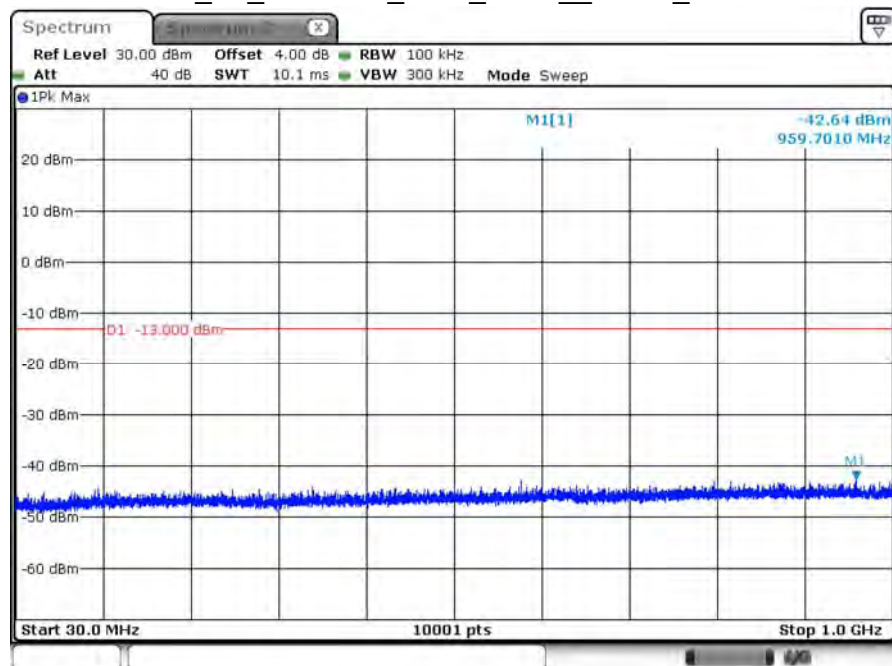


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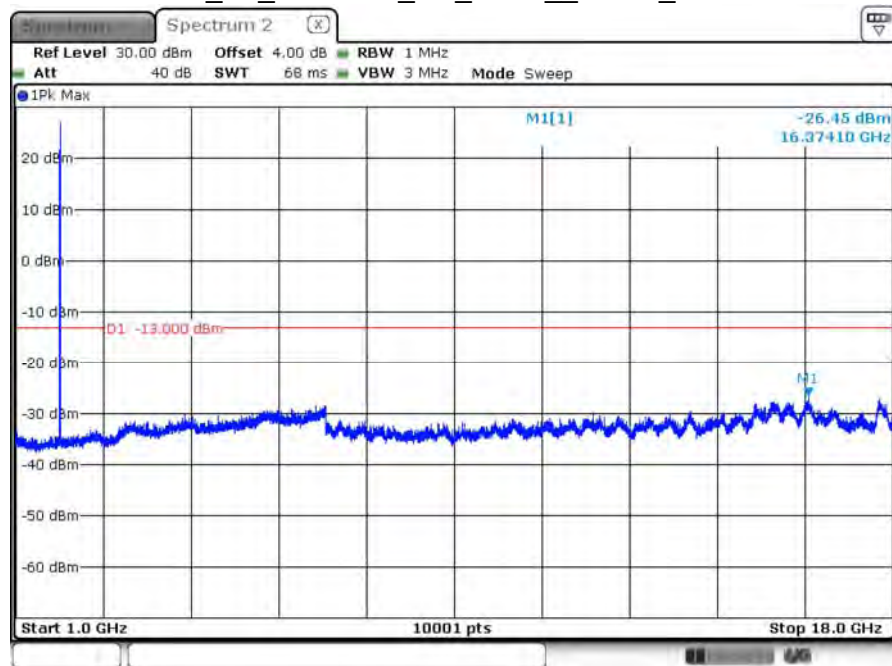
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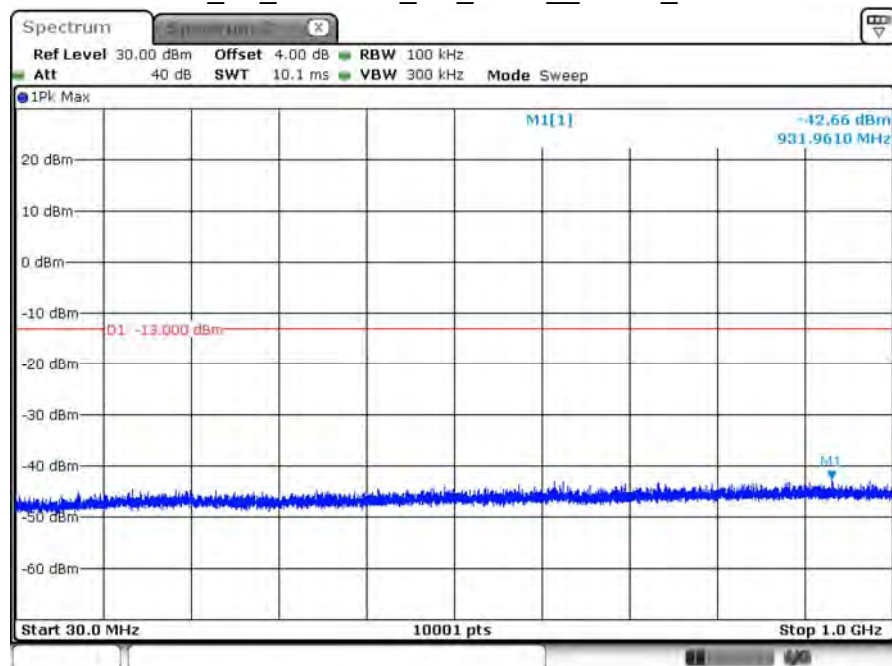
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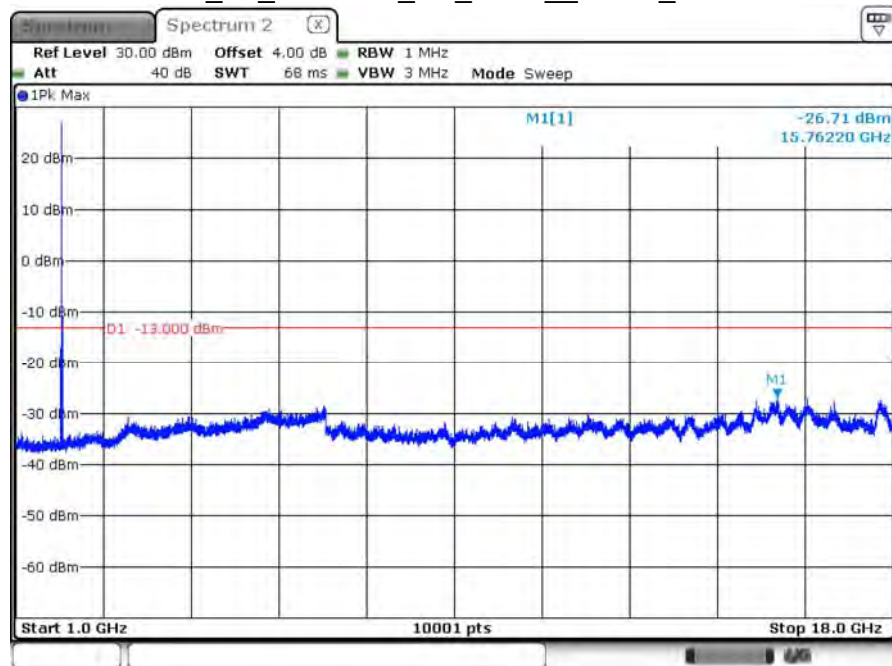
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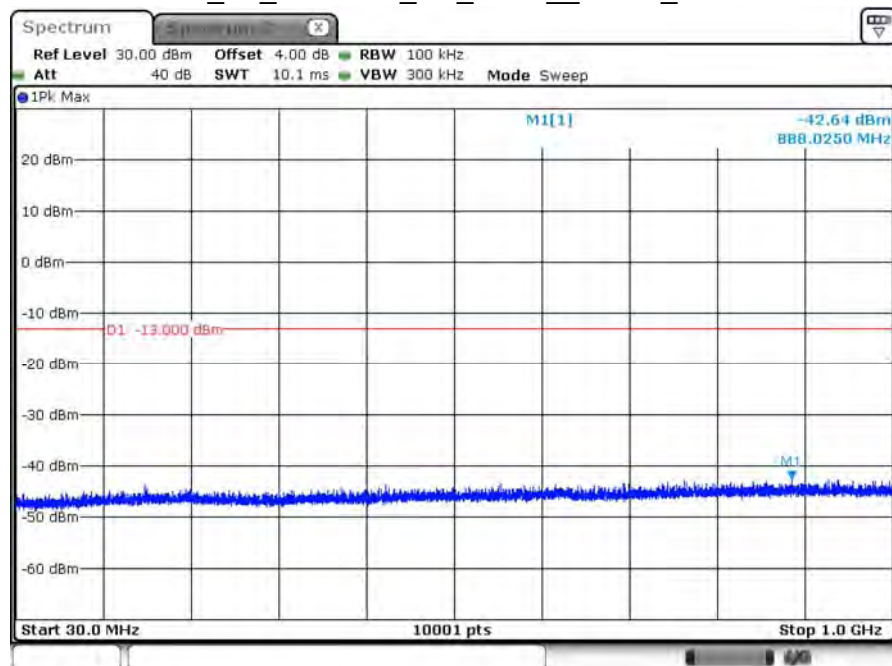
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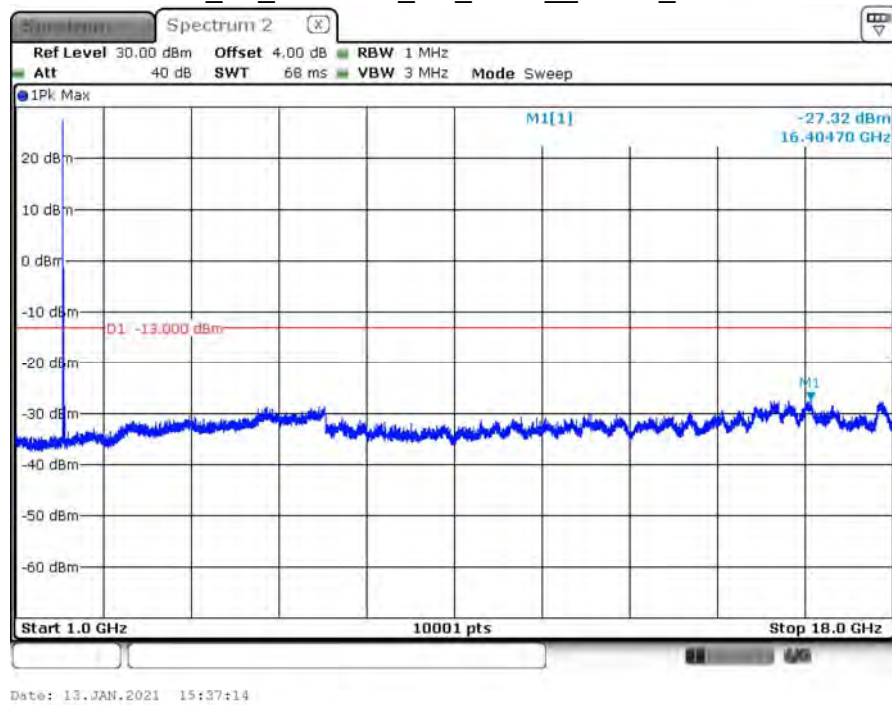
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Date: 13.JAN.2021 15:33:53

CAT-M1_B2_CH19185_3M_1RB5_QPSK_Above 1G



CAT-M1_B2_CH19185_3M_1RB5_QPSK_Below 1G

