

Appendix B.12

E-UTRA Band 26 (824-849)

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1. Main Test Instruments

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12
Spectrum Analyzer (20Hz-43GHz)	Rohde & Schwarz	FSU43	SEM004-08	2019/3/2	2020/3/1
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26
Horn Antenna (800MHz-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2018/9/2	2019/9/2
Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	EMC2063	2018/10/20	2019/10/19
Pre-amplifier (26-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019/3/2	2020/3/1
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2018/7/12	2019/7/11
Wideband Radio Communication Tester	Anritsu	MT8821C	6201462742	2019/4/3	2020/4/3
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2019/1/13	2020/1/12
RF conducted test					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
Dual Output Mobile Communication DC Source	Agilent Technologies Inc	66311B	W009-09	2018/11/2	2019/11/1
Signal Analyzer	Rohde & Schwarz	FSV	W005-02	2019/3/2	2020/3/1
Coaxial Cable	SGS	N/A	SEM031-01	2018/7/12	2019/7/11
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/11/2	2019/11/1
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	HTC-1	W006-17	2018/11/2	2019/11/1
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/2	2019/11/1
Wideband Radio Communication Tester	Anritsu	MT8821C	6201462742	2019/3/2	2020/3/1
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	W005-02	2018/11/2	2019/11/1

2. Measurement Uncertainty

For a 95% confidence level ($k = 2$), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Test Item	Extended Uncertainty	Data
Transmit Output Power Data	Power [dBm]	$U = \pm 0.37 \text{ dB}$
Bandwidth	Magnitude [%]	$U = \pm 0.2\%$
Band Edge Compliance	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Spurious Emissions, Conducted	Disturbance Power [dBm]	$U = \pm 2.0 \text{ dB}$
Frequency Stability	Frequency Accuracy [ppm]	$U = \pm 0.24 \text{ ppm}$

3. Effective (Isotropic) Radiated Power

3.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band26	1.4MHz	QPSK	26797	1RB#0	23.20	25.05	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.01	24.86	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	22.89	24.74	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#0	22.98	24.83	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#1	22.95	24.80	38.45	PASS
Band26	1.4MHz	QPSK	26797	3RB#3	23.01	24.86	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.10	23.95	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.42	25.27	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.40	25.25	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.37	25.22	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#0	23.28	25.13	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#1	23.42	25.27	38.45	PASS
Band26	1.4MHz	QPSK	26915	3RB#3	23.33	25.18	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.39	24.24	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.50	25.35	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.48	25.33	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.49	25.34	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#0	23.36	25.21	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#1	23.33	25.18	38.45	PASS
Band26	1.4MHz	QPSK	27033	3RB#3	23.34	25.19	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.34	24.19	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.35	24.20	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.14	23.99	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.15	24.00	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#0	22.10	23.95	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#1	22.09	23.94	38.45	PASS
Band26	1.4MHz	16QAM	26797	3RB#3	22.07	23.92	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.12	22.97	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.71	24.56	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.61	24.46	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.56	24.41	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#0	22.39	24.24	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#1	22.49	24.34	38.45	PASS
Band26	1.4MHz	16QAM	26915	3RB#3	22.41	24.26	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.42	23.27	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.55	24.40	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.53	24.38	38.45	PASS

Band26	1.4MHz	16QAM	27033	1RB#5	22.50	24.35	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#0	22.44	24.29	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#1	22.56	24.41	38.45	PASS
Band26	1.4MHz	16QAM	27033	3RB#3	22.44	24.29	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.46	23.31	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.06	24.91	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.07	24.92	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	22.99	24.84	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#0	22.06	23.91	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#4	21.98	23.83	38.45	PASS
Band26	3MHz	QPSK	26805	8RB#7	22.03	23.88	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.04	23.89	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.34	25.19	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.38	25.23	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.31	25.16	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#0	22.43	24.28	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#4	22.41	24.26	38.45	PASS
Band26	3MHz	QPSK	26915	8RB#7	22.32	24.17	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.39	24.24	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.49	25.34	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.68	25.53	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.60	25.45	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#0	22.51	24.36	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#4	22.39	24.24	38.45	PASS
Band26	3MHz	QPSK	27025	8RB#7	22.45	24.30	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	22.45	24.30	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.19	24.04	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.17	24.02	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.27	24.12	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#0	21.12	22.97	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#4	21.01	22.86	38.45	PASS
Band26	3MHz	16QAM	26805	8RB#7	21.06	22.91	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.12	22.97	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.48	24.33	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.54	24.39	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.45	24.30	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#0	21.40	23.25	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#4	21.41	23.26	38.45	PASS
Band26	3MHz	16QAM	26915	8RB#7	21.45	23.30	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.34	23.19	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.67	24.52	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.62	24.47	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.74	24.59	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#0	21.53	23.38	38.45	PASS

Band26	3MHz	16QAM	27025	8RB#4	21.45	23.30	38.45	PASS
Band26	3MHz	16QAM	27025	8RB#7	21.57	23.42	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.55	23.40	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.02	24.87	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.10	24.95	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	22.77	24.62	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#0	22.11	23.96	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#6	21.99	23.84	38.45	PASS
Band26	5MHz	QPSK	26815	12RB#13	21.94	23.79	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	21.97	23.82	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.28	25.13	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.45	25.30	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.10	24.95	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#0	22.41	24.26	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#6	22.27	24.12	38.45	PASS
Band26	5MHz	QPSK	26915	12RB#13	22.24	24.09	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.48	24.33	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.52	25.37	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	23.64	25.49	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.43	25.28	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#0	22.46	24.31	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#6	22.56	24.41	38.45	PASS
Band26	5MHz	QPSK	27015	12RB#13	22.45	24.30	38.45	PASS
Band26	5MHz	QPSK	27015	25RB#0	22.45	24.30	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.32	24.17	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.20	24.05	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.20	24.05	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#0	21.16	23.01	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#6	21.02	22.87	38.45	PASS
Band26	5MHz	16QAM	26815	12RB#13	21.05	22.90	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.05	22.90	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.64	24.49	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.69	24.54	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.47	24.32	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#0	21.43	23.28	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#6	21.34	23.19	38.45	PASS
Band26	5MHz	16QAM	26915	12RB#13	21.35	23.20	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.38	23.23	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.86	24.71	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.75	24.60	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.61	24.46	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#0	21.62	23.47	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#6	21.59	23.44	38.45	PASS
Band26	5MHz	16QAM	27015	12RB#13	21.56	23.41	38.45	PASS

Band26	5MHz	16QAM	27015	25RB#0	21.62	23.47	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.35	25.20	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.39	25.24	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.02	24.87	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#0	22.14	23.99	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#12	22.07	23.92	38.45	PASS
Band26	10MHz	QPSK	26840	25RB#25	22.09	23.94	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.08	23.93	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.20	25.05	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.91	25.76	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	22.66	24.51	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#0	22.77	24.62	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#12	22.44	24.29	38.45	PASS
Band26	10MHz	QPSK	26915	25RB#25	22.04	23.89	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.38	24.23	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.77	25.62	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.59	25.44	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.26	25.11	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#0	22.64	24.49	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#12	22.52	24.37	38.45	PASS
Band26	10MHz	QPSK	26990	25RB#25	22.42	24.27	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	22.55	24.40	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.50	24.35	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.21	24.06	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.55	24.40	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#0	21.16	23.01	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#12	21.04	22.89	38.45	PASS
Band26	10MHz	16QAM	26840	25RB#25	21.08	22.93	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.07	22.92	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.90	24.75	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.70	24.55	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.79	24.64	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#0	21.31	23.16	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#12	21.39	23.24	38.45	PASS
Band26	10MHz	16QAM	26915	25RB#25	21.28	23.13	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.43	23.28	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	23.10	24.95	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.69	24.54	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	23.33	25.18	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#0	21.56	23.41	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#12	21.50	23.35	38.45	PASS
Band26	10MHz	16QAM	26990	25RB#25	21.62	23.47	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.53	23.38	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.56	25.41	38.45	PASS

Band26	15MHz	QPSK	26865	1RB#38	23.50	25.35	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.33	25.18	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#0	22.52	24.37	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#18	22.41	24.26	38.45	PASS
Band26	15MHz	QPSK	26865	36RB#39	22.27	24.12	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.32	24.17	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.62	25.47	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.98	25.83	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.90	24.75	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#0	22.73	24.58	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#18	22.75	24.60	38.45	PASS
Band26	15MHz	QPSK	26915	36RB#39	22.33	24.18	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.42	24.27	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.89	25.74	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.48	25.33	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	23.23	25.08	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#0	22.91	24.76	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#18	22.57	24.42	38.45	PASS
Band26	15MHz	QPSK	26965	36RB#39	22.45	24.30	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.68	24.53	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.74	24.59	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.51	24.36	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.88	24.73	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#0	21.53	23.38	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#18	21.32	23.17	38.45	PASS
Band26	15MHz	16QAM	26865	36RB#39	21.15	23.00	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.31	23.16	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	22.77	24.62	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.56	24.41	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	23.07	24.92	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#0	21.82	23.67	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#18	21.56	23.41	38.45	PASS
Band26	15MHz	16QAM	26915	36RB#39	21.21	23.06	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.49	23.34	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	23.12	24.97	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	22.58	24.43	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	23.01	24.86	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#0	21.92	23.77	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#18	21.65	23.50	38.45	PASS
Band26	15MHz	16QAM	26965	36RB#39	21.34	23.19	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.75	23.60	38.45	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

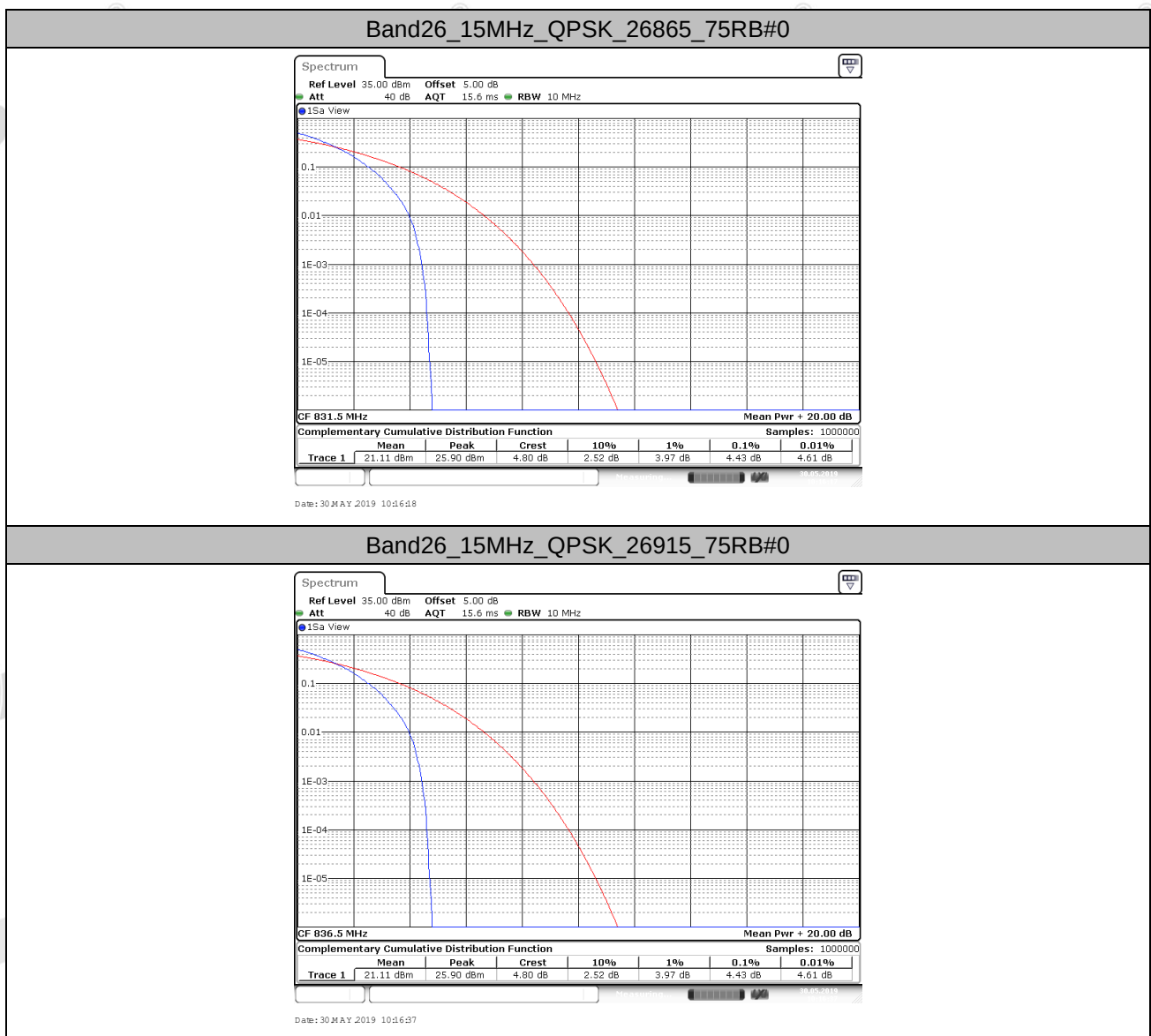
EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

4. Peak-to-Average Ratio(CCDF)

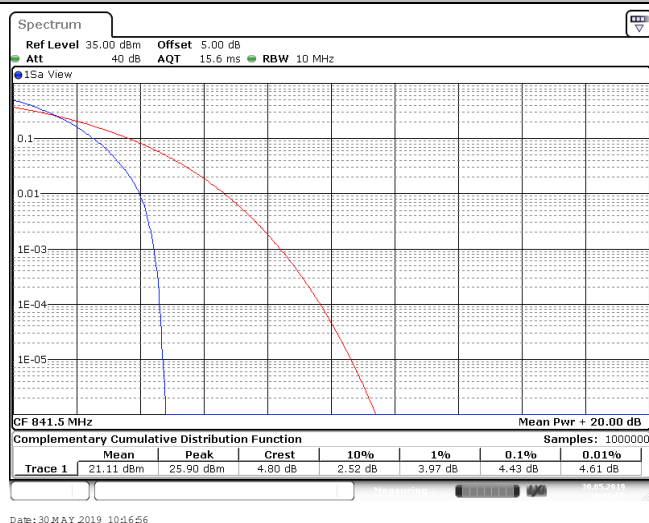
4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	4.43	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	4.43	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	4.43	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	4.43	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	4.43	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	4.43	13	PASS

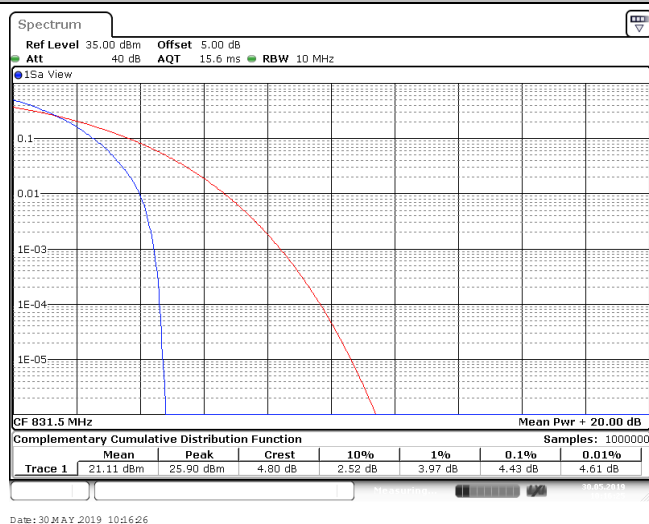
4.2. Test Plots



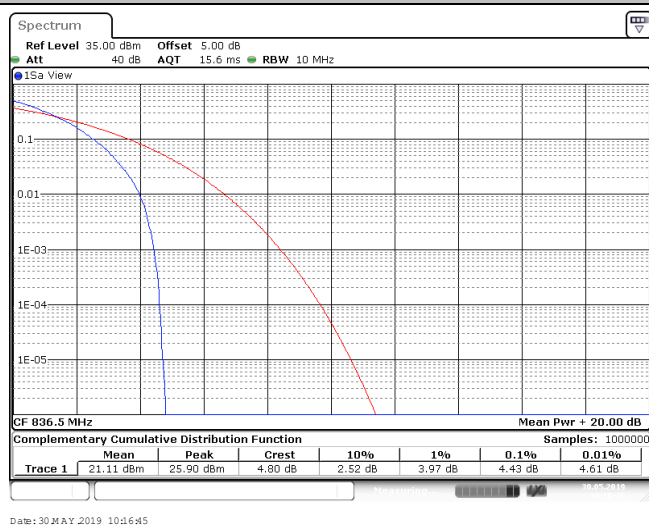
Band26_15MHz_QPSK_26965_75RB#0



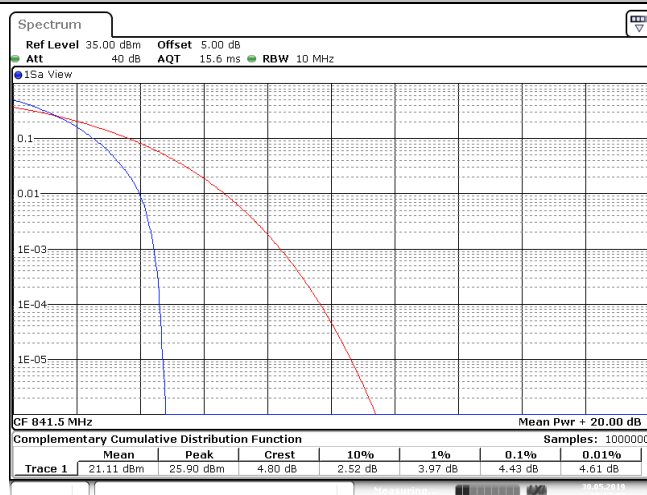
Band26_15MHz_16QAM_26865_75RB#0



Band26_15MHz_16QAM_26915_75RB#0



Band26_15MHz_16QAM_26965_75RB#0



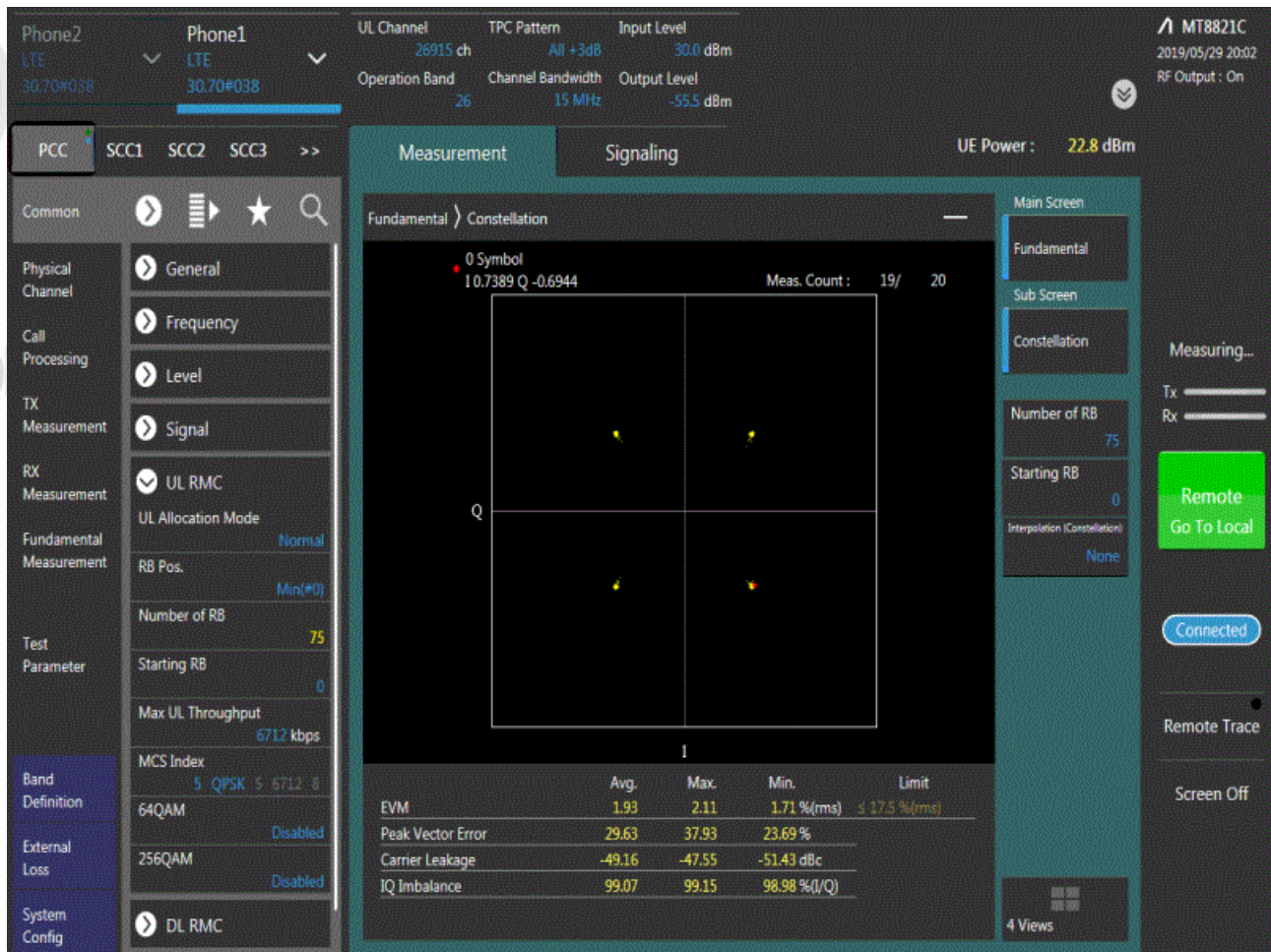
Date: 30 MAY 2019 10:17:04

5. Modulation Characteristics

5.1. Test BAND = LTE Band 26

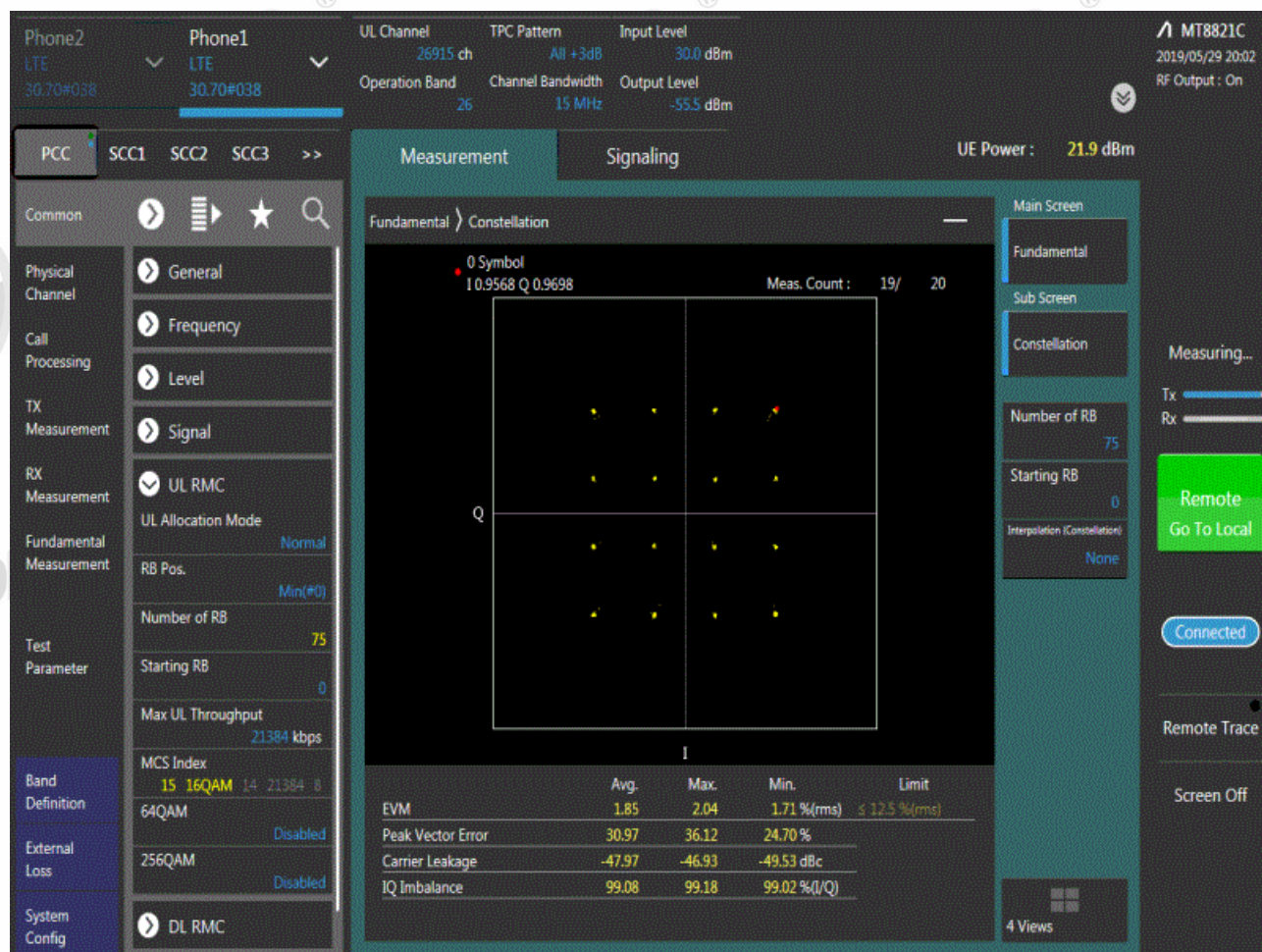
5.2. Test Mode = LTE /TM1 15MHz

5.2.1. Test Channel = MCH



5.3. Test Mode = LTE /TM2 15MHz

5.3.1. Test Channel = MCH



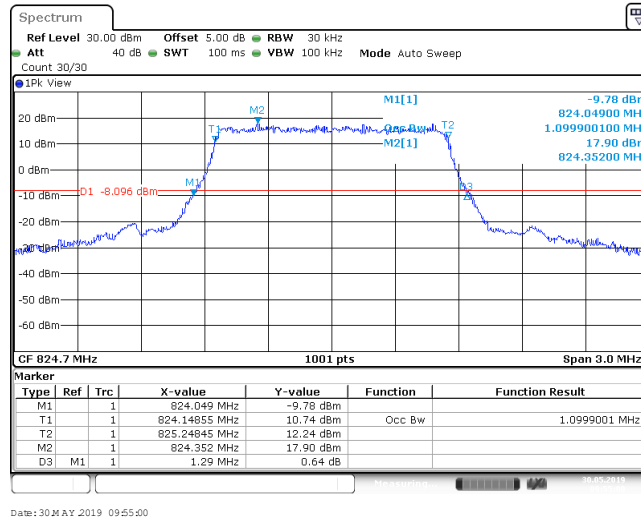
6. 26dB Bandwidth and Occupied Bandwidth

6.1. Test Result

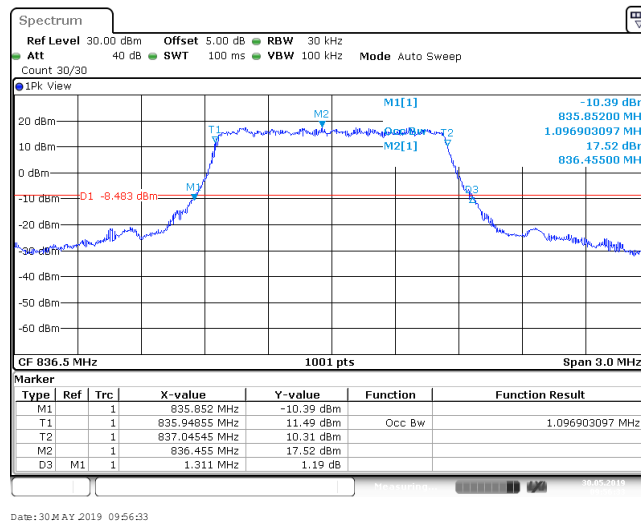
BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26797	6RB#0	1.100	1.290	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.097	1.311	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.094	1.341	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.097	1.296	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.103	1.317	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.100	1.311	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.703	2.976	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.703	2.994	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.703	2.994	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.703	3.012	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.691	3.000	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.691	2.988	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.486	4.960	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.486	4.930	PASS
Band26	5MHz	QPSK	27015	25RB#0	4.466	4.930	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.476	4.920	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.476	4.930	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.466	4.880	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.931	9.840	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.931	9.720	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.911	9.740	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.931	9.620	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.911	9.660	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.911	9.760	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.457	14.790	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.427	14.760	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.427	14.790	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.457	14.790	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.457	14.820	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.457	14.730	PASS

6.2. Test Plots

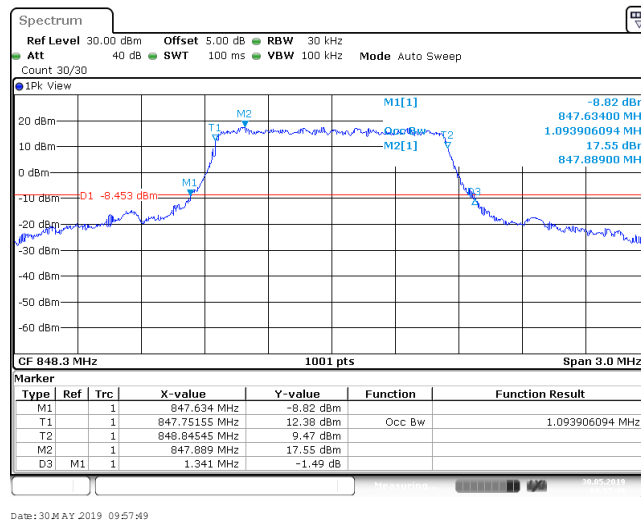
Band26_1.4MHz_QPSK_26797_6RB#0



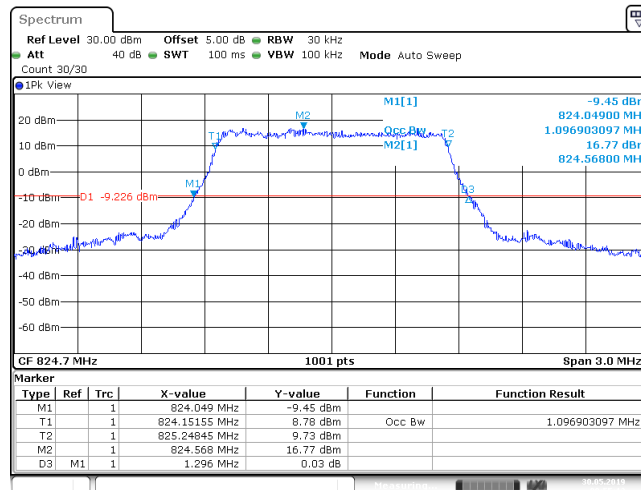
Band26_1.4MHz_QPSK_26915_6RB#0



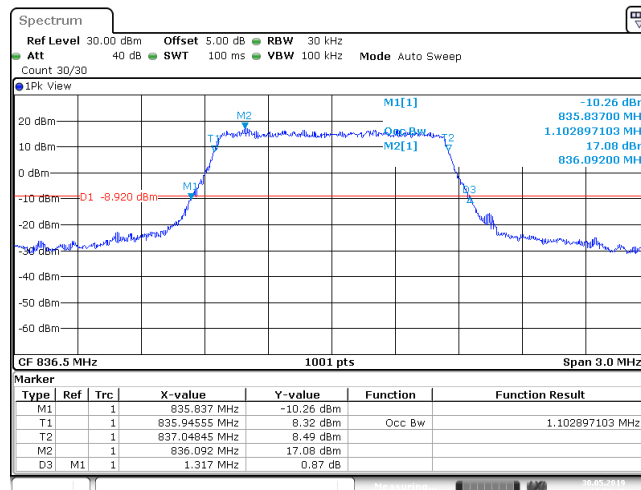
Band26_1.4MHz_QPSK_27033_6RB#0



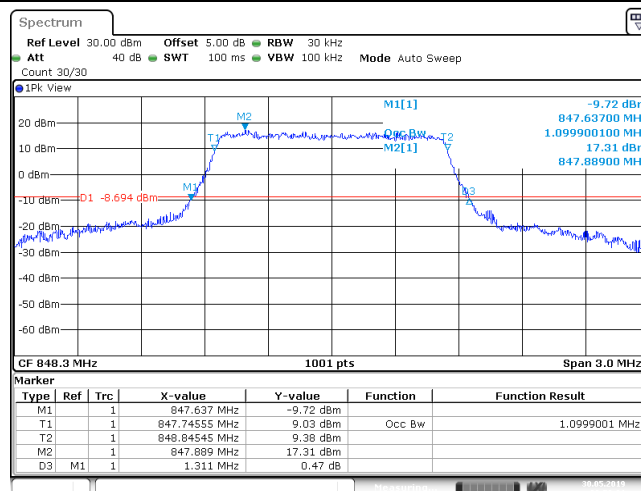
Band26_1.4MHz_16QAM_26797_6RB#0



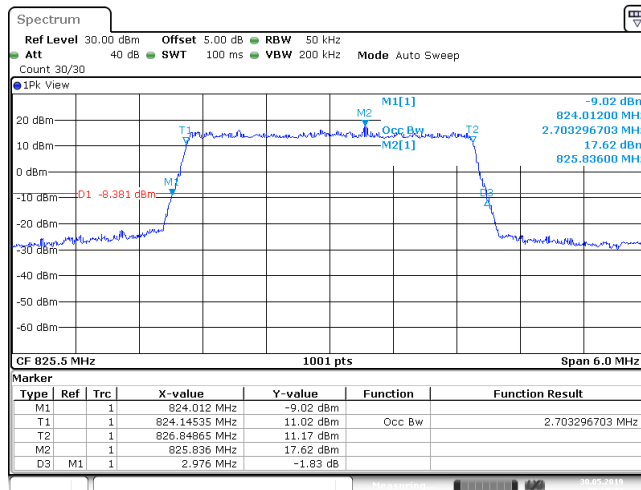
Band26_1.4MHz_16QAM_26915_6RB#0



Band26_1.4MHz_16QAM_27033_6RB#0

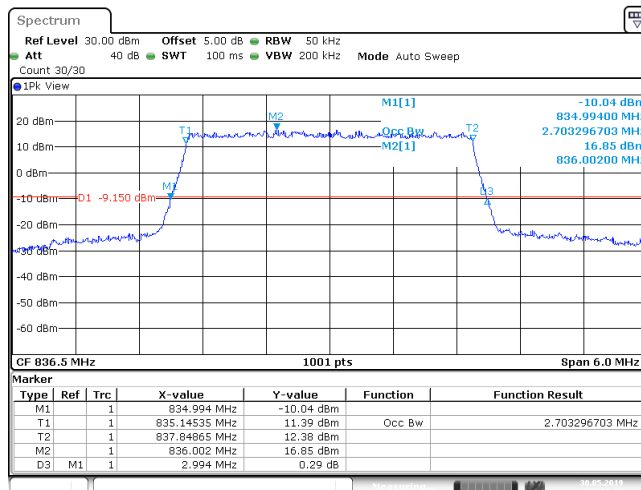


Band26_3MHz_QPSK_26805_15RB#0



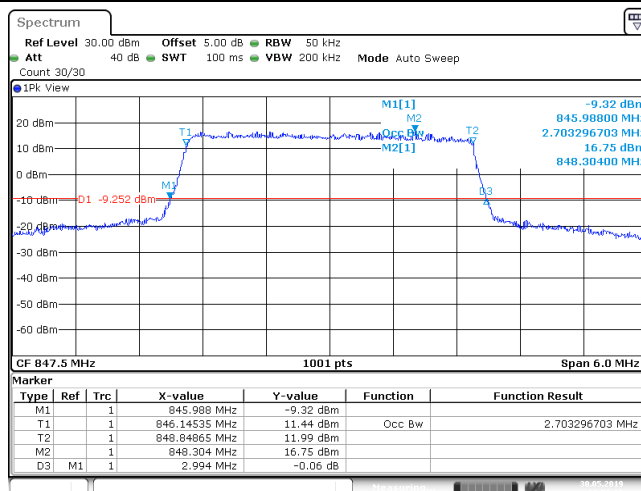
Date: 30 MAY 2019 09:58:44

Band26_3MHz_QPSK_26915_15RB#0



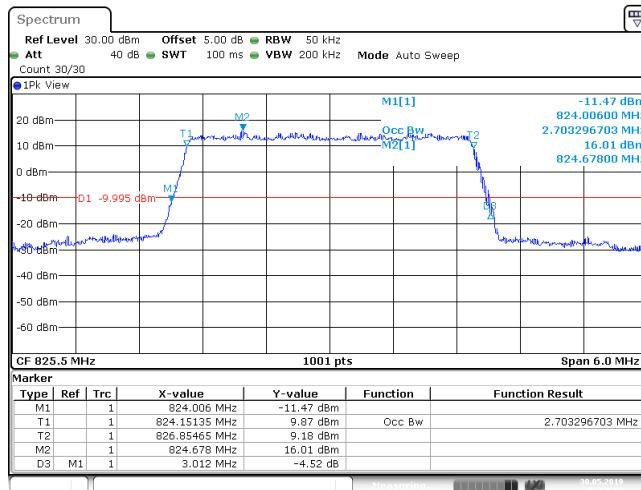
Date: 30 MAY 2019 09:59:11

Band26_3MHz_QPSK_27025_15RB#0



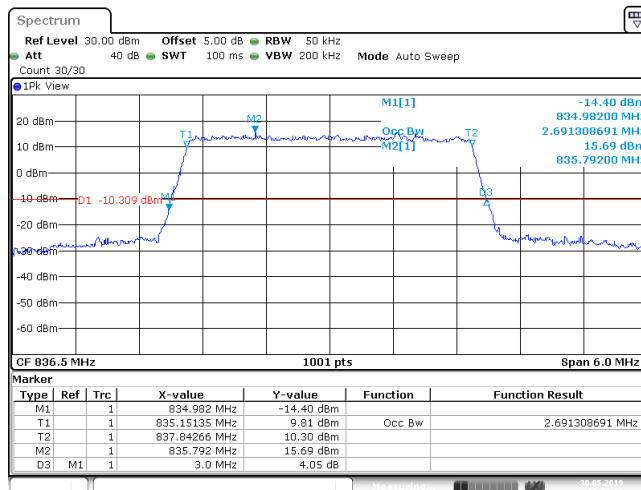
Date: 30 MAY 2019 09:59:39

Band26_3MHz_16QAM_26805_15RB#0



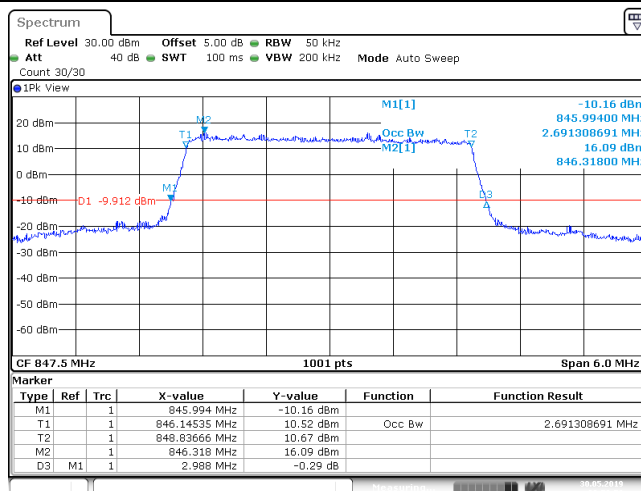
Date: 30 MAY 2019 09:58:56

Band26_3MHz_16QAM_26915_15RB#0



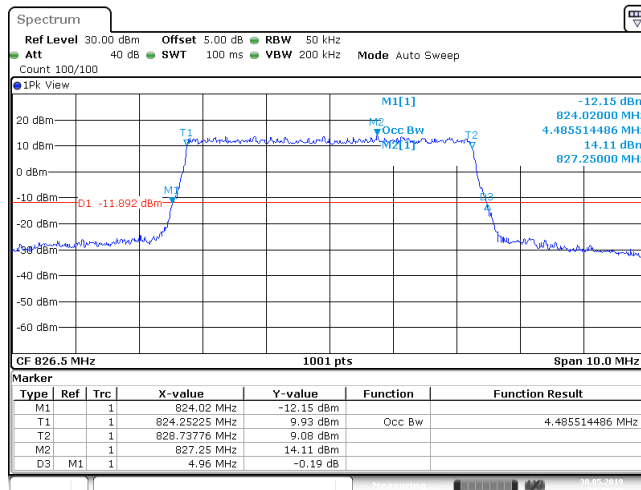
Date: 30 MAY 2019 09:59:24

Band26_3MHz_16QAM_27025_15RB#0



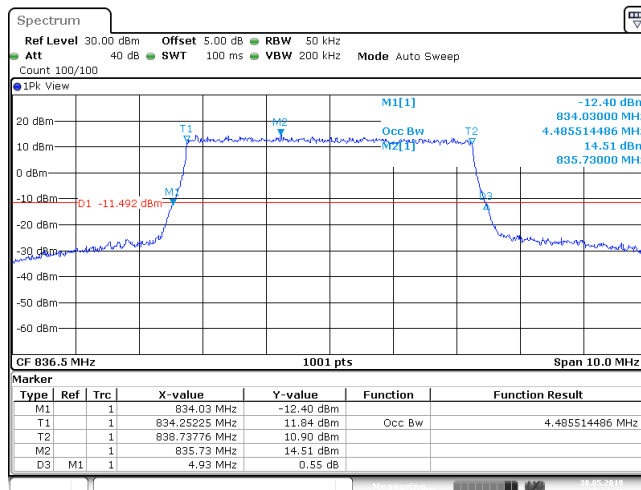
Date: 30 MAY 2019 09:59:52

Band26_5MHz_QPSK_26815_25RB#0



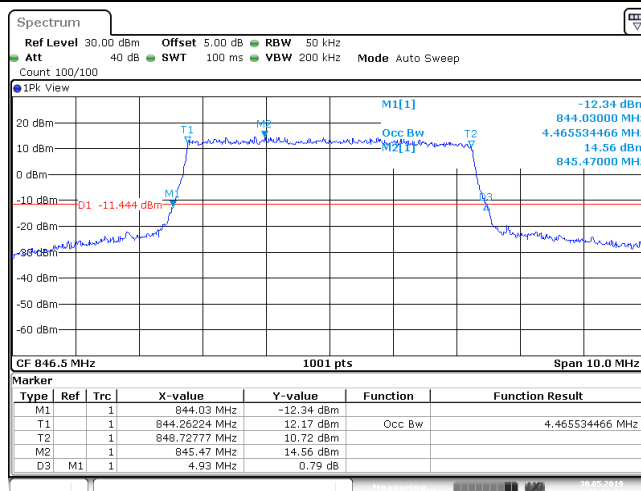
Date: 30 MAY 2019 10:00:49

Band26_5MHz_QPSK_26915_25RB#0



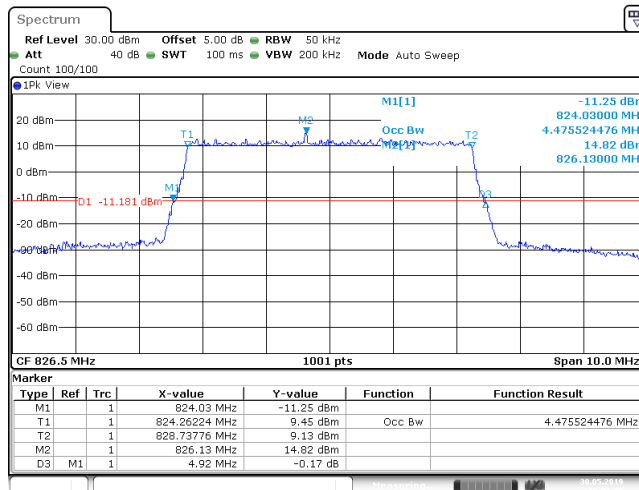
Date: 30 MAY 2019 10:01:42

Band26_5MHz_QPSK_27015_25RB#0



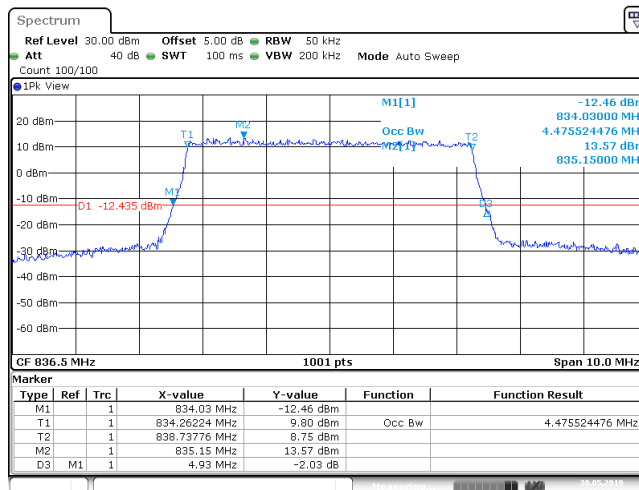
Date: 30 MAY 2019 10:02:24

Band26_5MHz_16QAM_26815_25RB#0



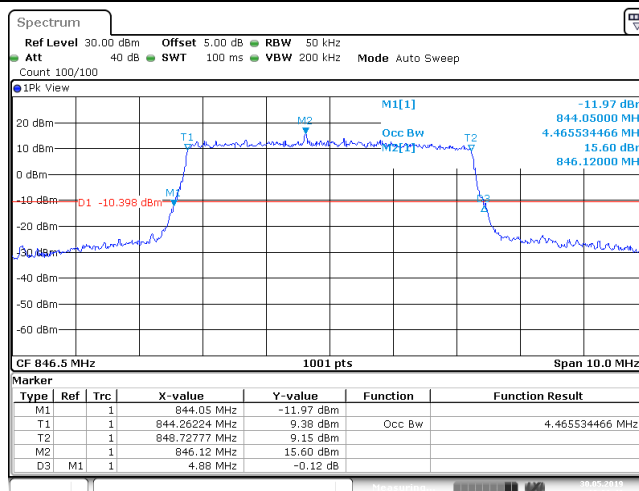
Date: 30 MAY 2019 10:01:09

Band26_5MHz_16QAM_26915_25RB#0



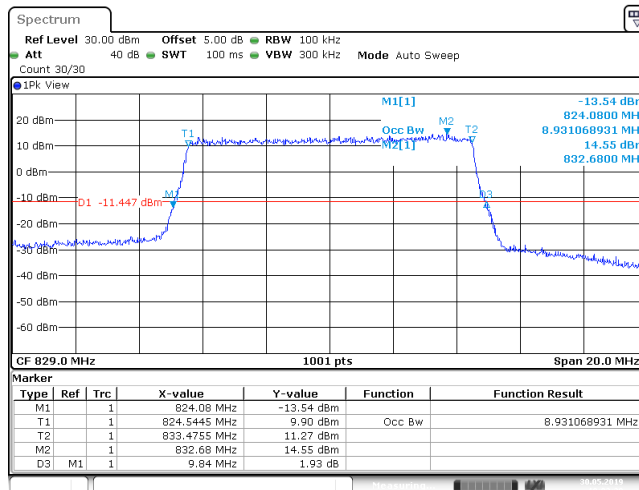
Date: 30 MAY 2019 10:02:01

Band26_5MHz_16QAM_27015_25RB#0



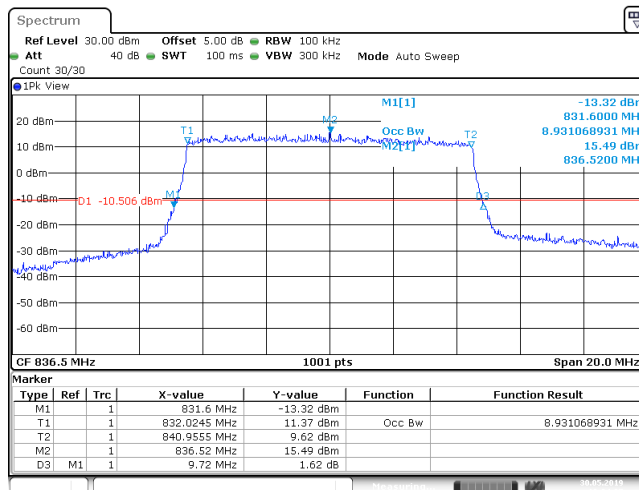
Date: 30 MAY 2019 10:02:43

Band26_10MHz_QPSK_26840_50RB#0



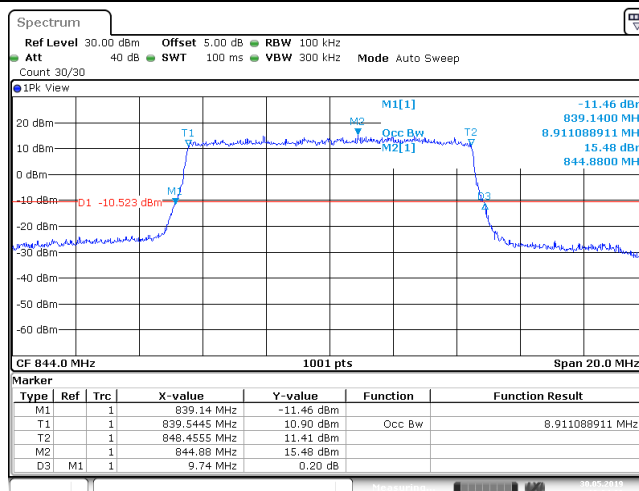
Date: 30 MAY 2019 10:03:40

Band26_10MHz_QPSK_26915_50RB#0



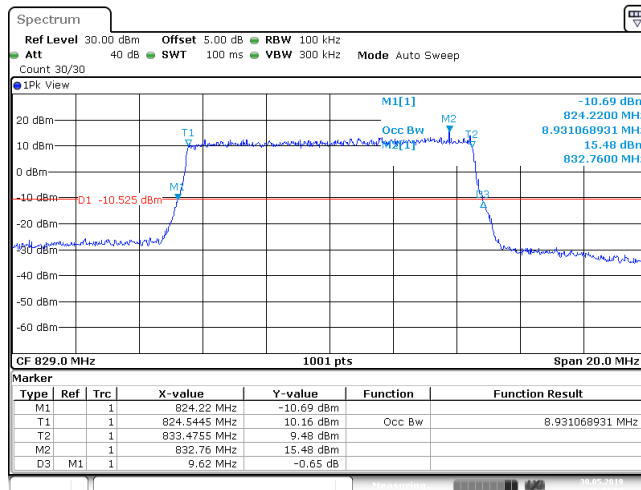
Date: 30 MAY 2019 10:04:08

Band26_10MHz_QPSK_26990_50RB#0



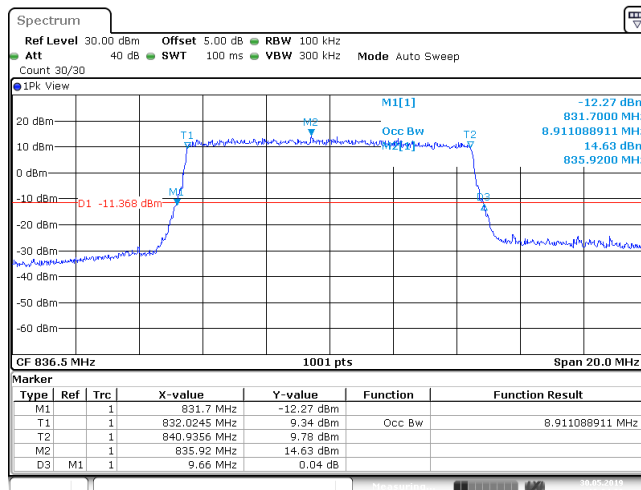
Date: 30 MAY 2019 10:04:36

Band26_10MHz_16QAM_26840_50RB#0



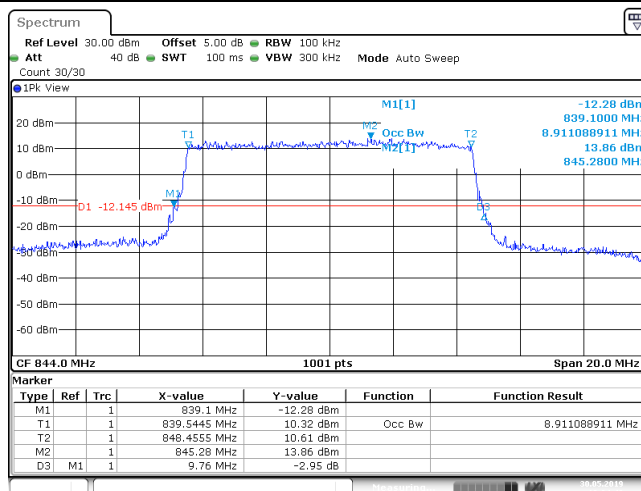
Date: 30 MAY 2019 10:03:52

Band26_10MHz_16QAM_26915_50RB#0



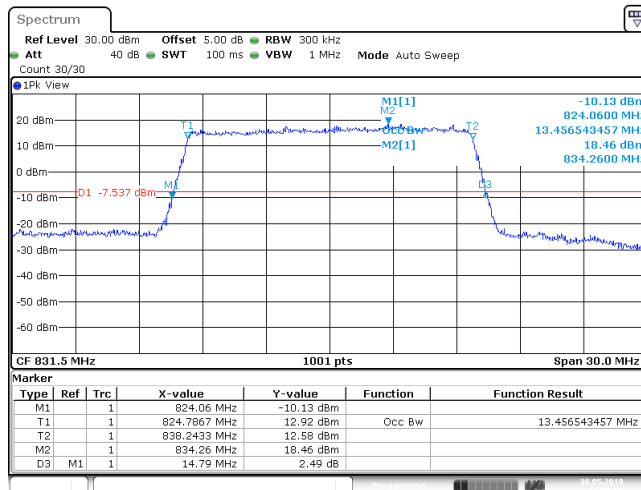
Date: 30 MAY 2019 10:04:21

Band26_10MHz_16QAM_26990_50RB#0



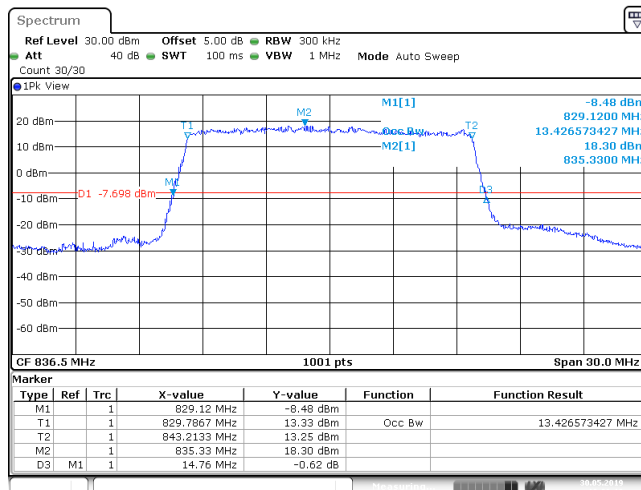
Date: 30 MAY 2019 10:04:49

Band26_15MHz_QPSK_26865_75RB#0



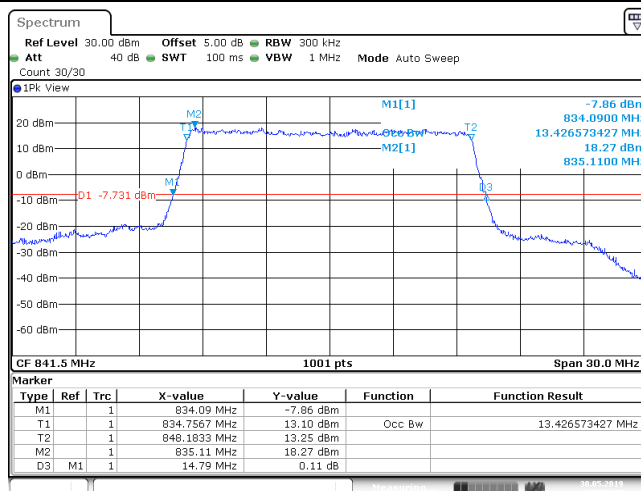
Date: 30 MAY 2019 10:05:50

Band26_15MHz_QPSK_26915_75RB#0



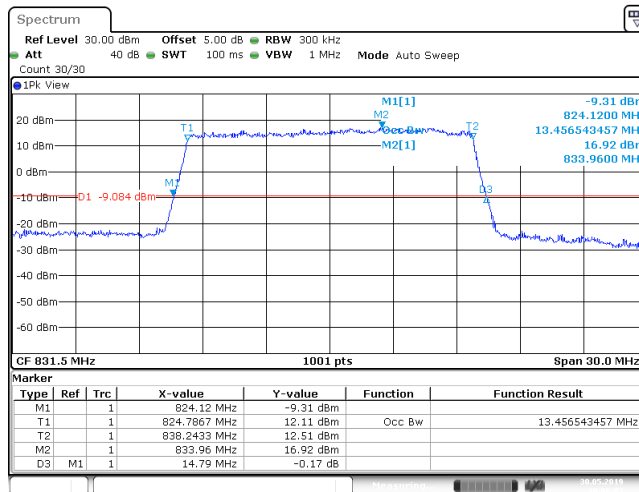
Date: 30 MAY 2019 10:06:18

Band26_15MHz_QPSK_26965_75RB#0



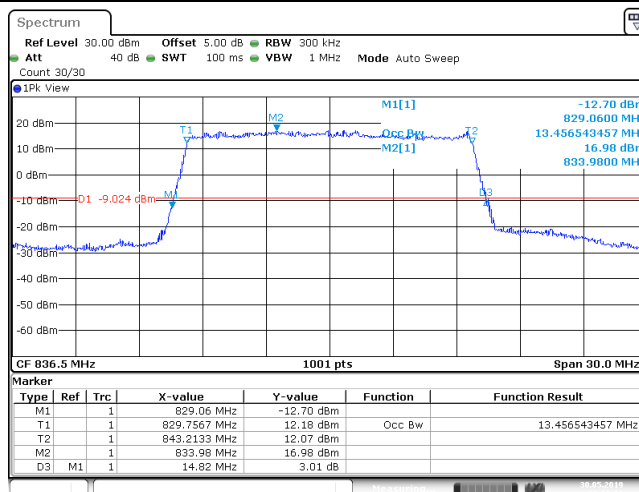
Date: 30 MAY 2019 10:06:46

Band26_15MHz_16QAM_26865_75RB#0



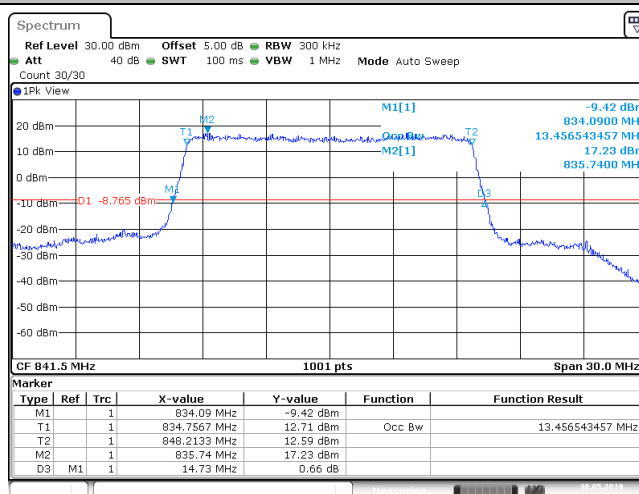
Date: 30 MAY 2019 10:06:03

Band26_15MHz_16QAM_26915_75RB#0



Date: 30 MAY 2019 10:06:31

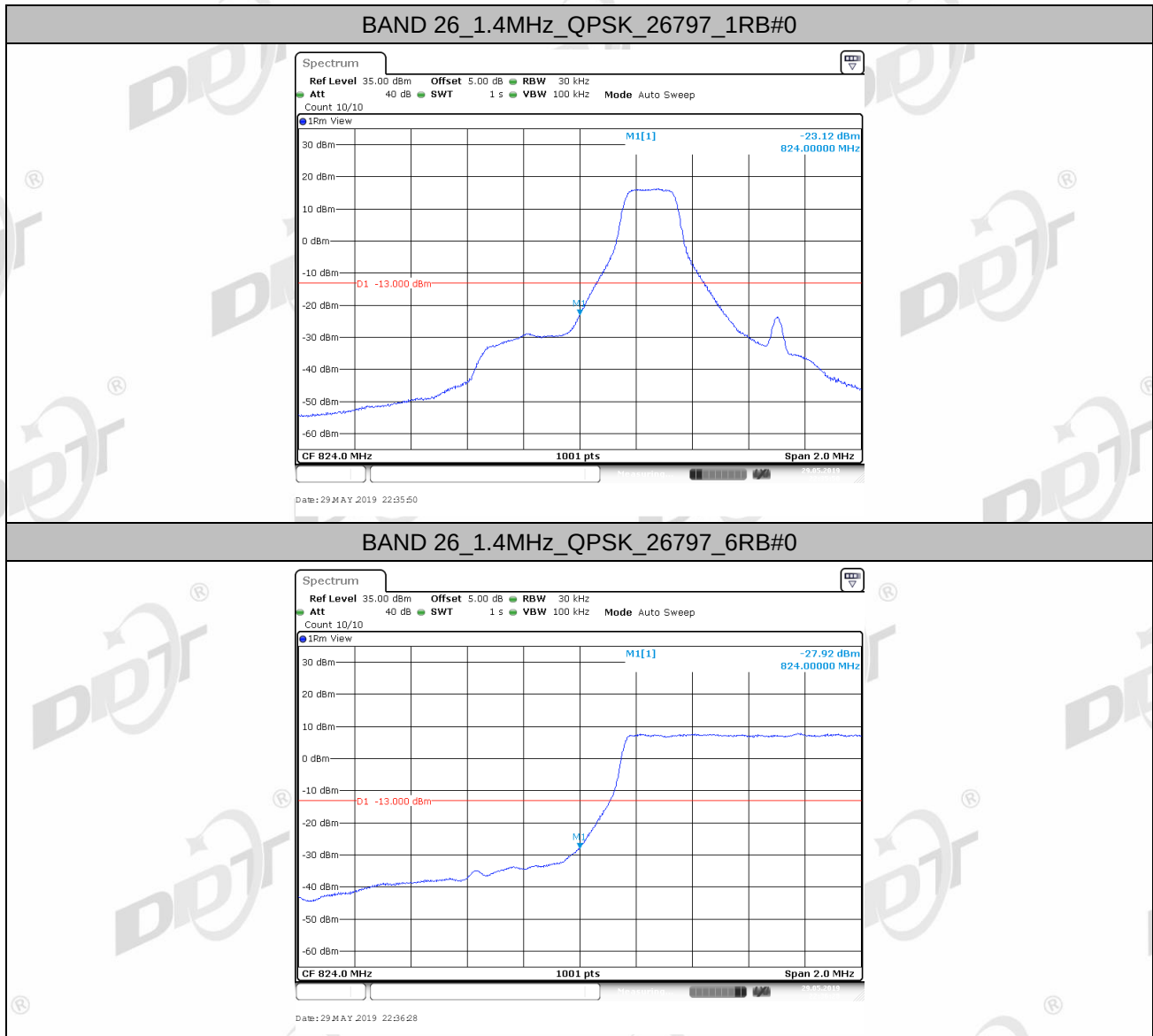
Band26_15MHz_16QAM_26965_75RB#0



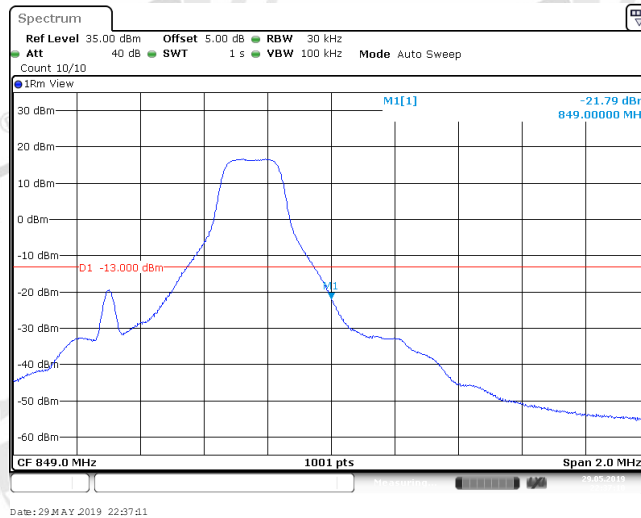
Date: 30 MAY 2019 10:06:59

7. Band Edge Compliance

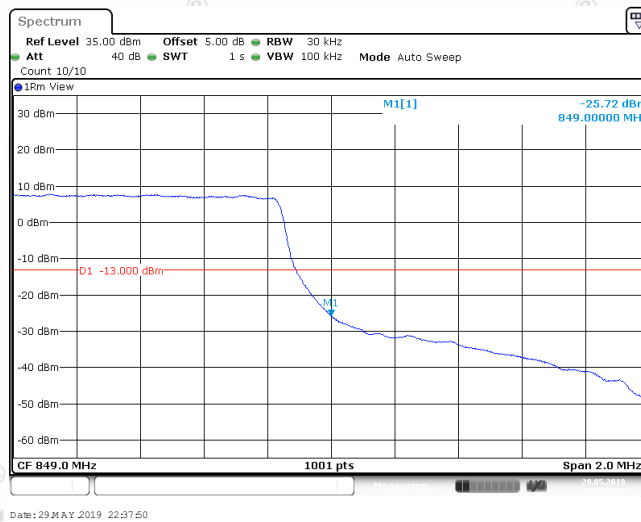
7.1. Test Plots



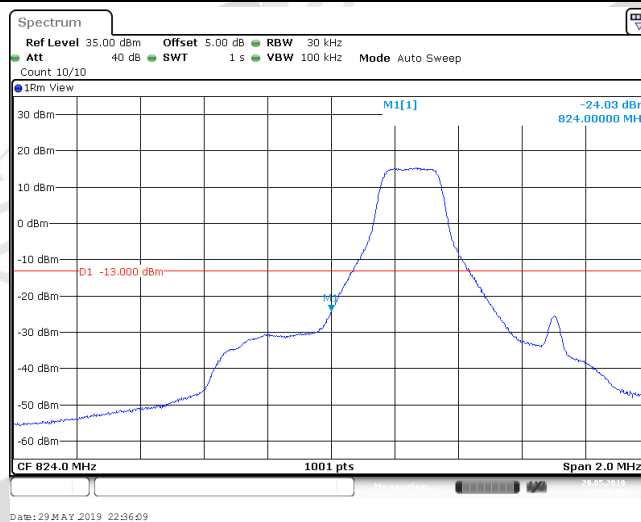
BAND 26_1.4MHz_QPSK_27033_1RB#5



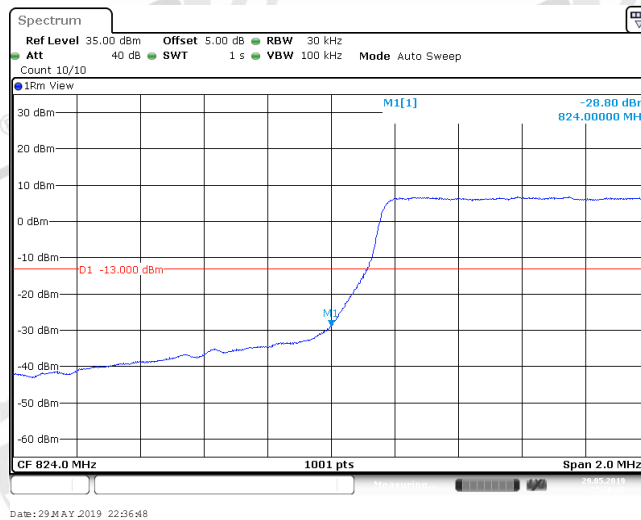
BAND 26_1.4MHz_QPSK_27033_6RB#0



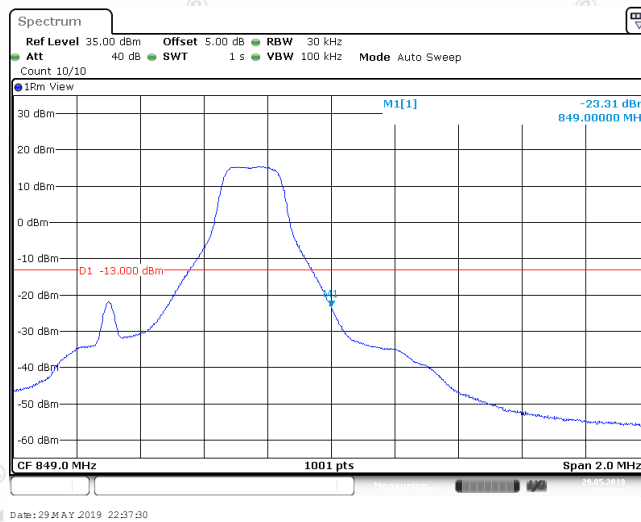
BAND 26_1.4MHz_16QAM_26797_1RB#0



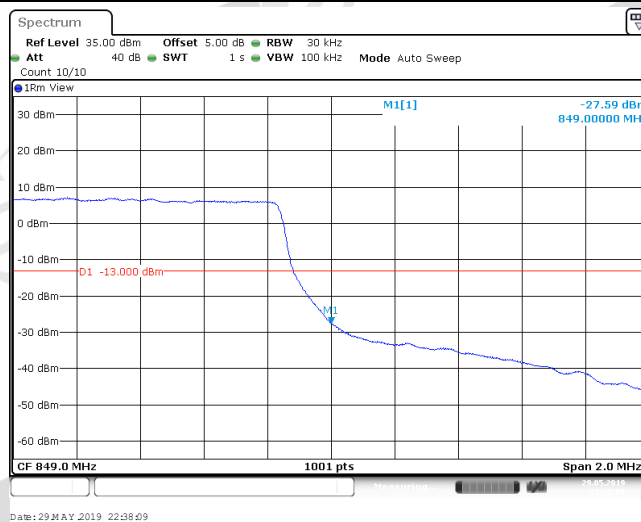
BAND 26_1.4MHz_16QAM_26797_6RB#0



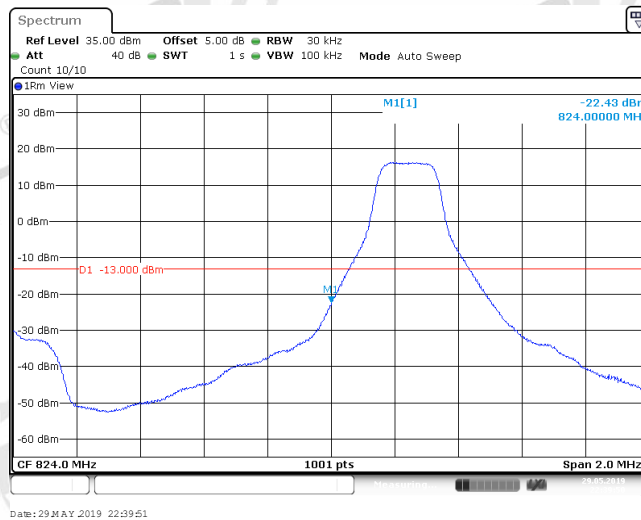
BAND 26_1.4MHz_16QAM_27033_1RB#5



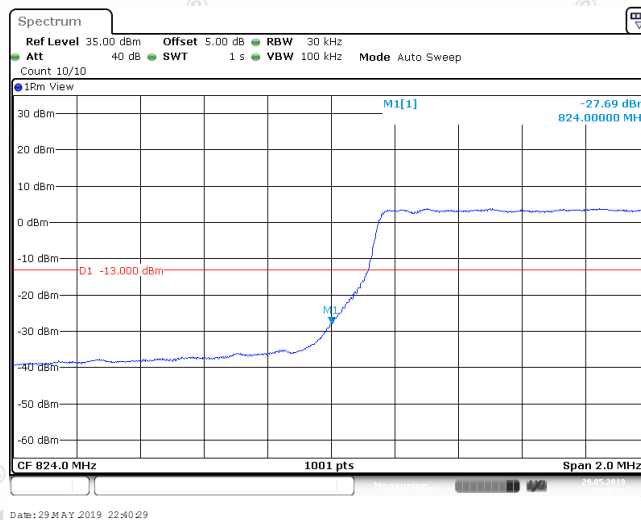
BAND 26_1.4MHz_16QAM_27033_6RB#0



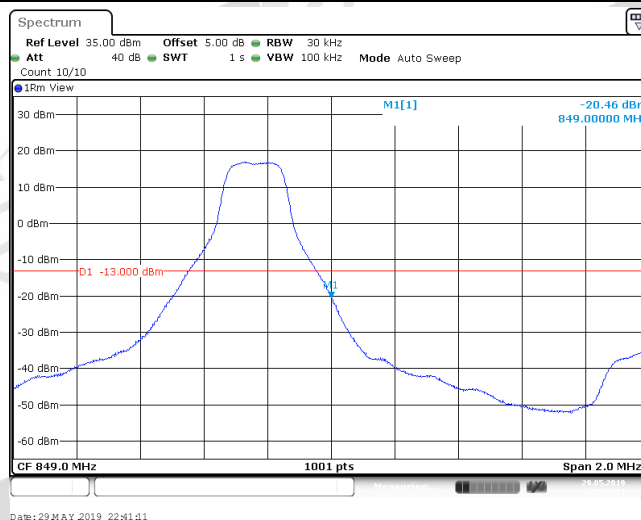
BAND 26_3MHz_QPSK_26805_1RB#0



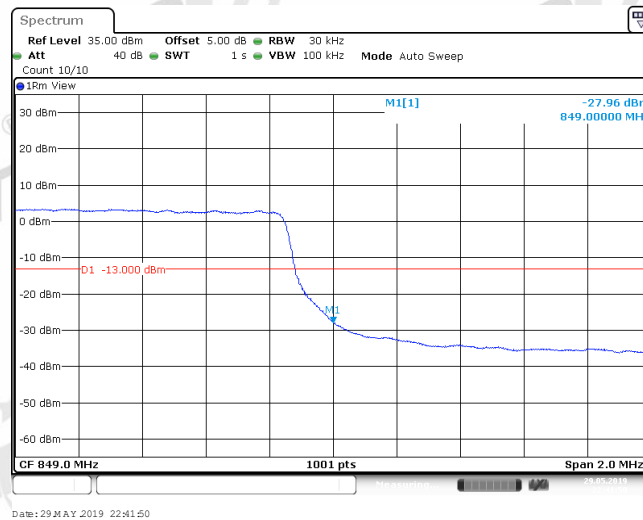
BAND 26_3MHz_QPSK_26805_15RB#0



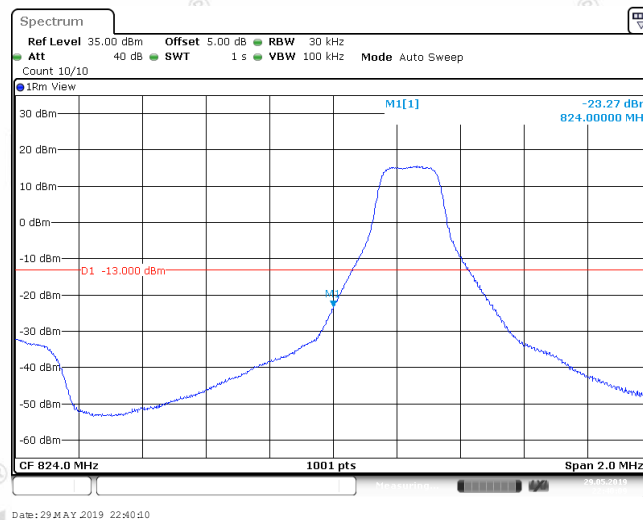
BAND 26_3MHz_QPSK_27025_1RB#14



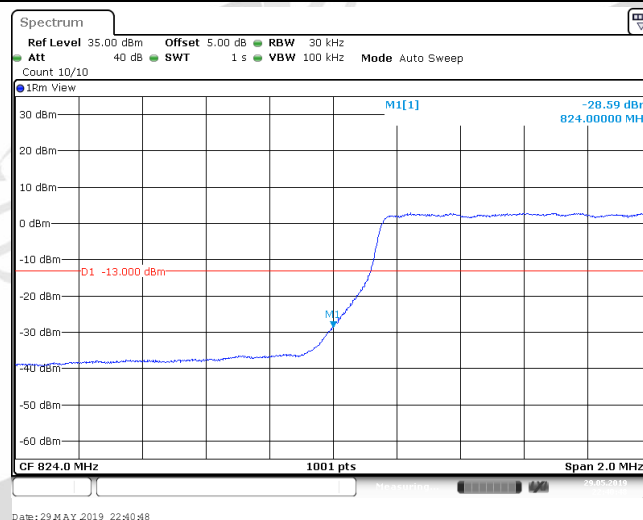
BAND 26_3MHz_QPSK_27025_15RB#0



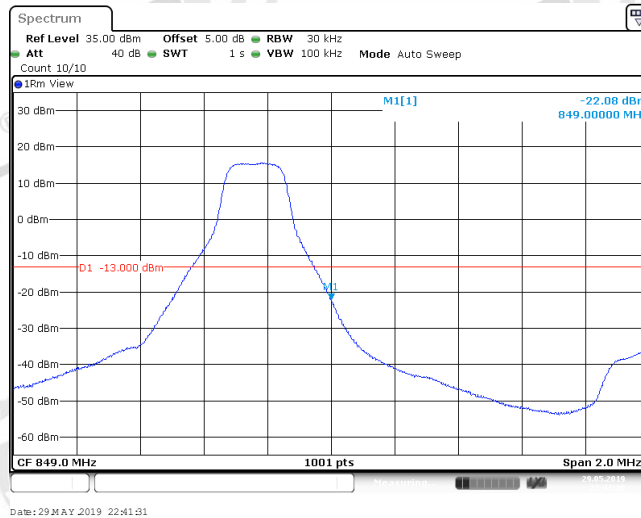
BAND 26_3MHz_16QAM_26805_1RB#0



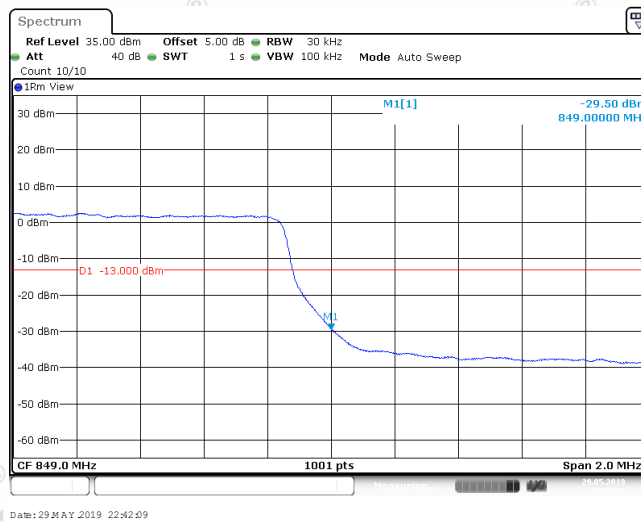
BAND 26_3MHz_16QAM_26805_15RB#0



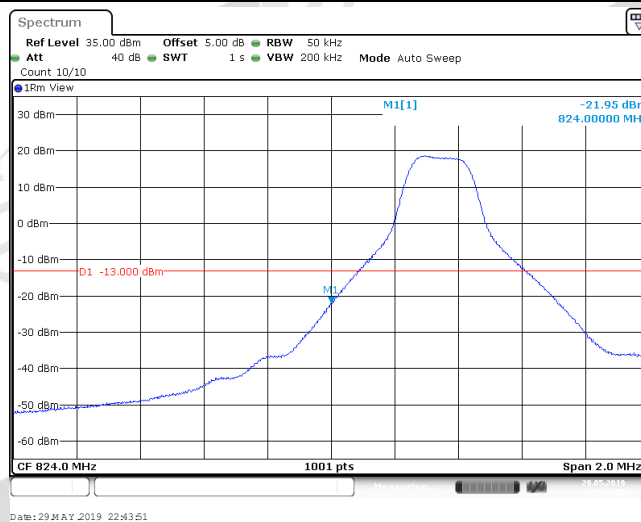
BAND 26_3MHz_16QAM_27025_1RB#14



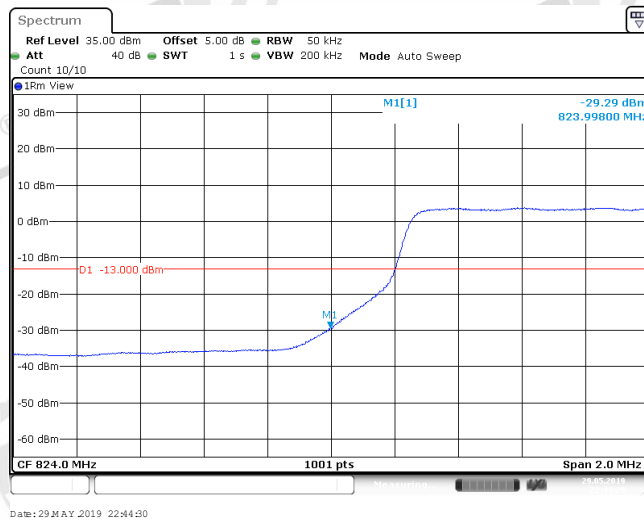
BAND 26_3MHz_16QAM_27025_15RB#0



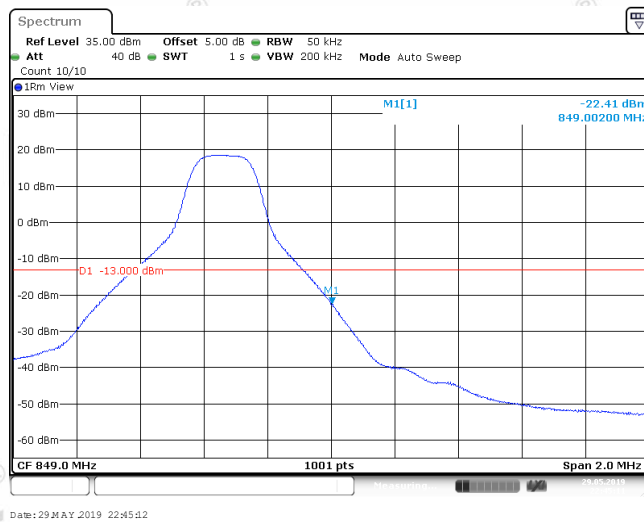
BAND 26_5MHz_QPSK_26815_1RB#0



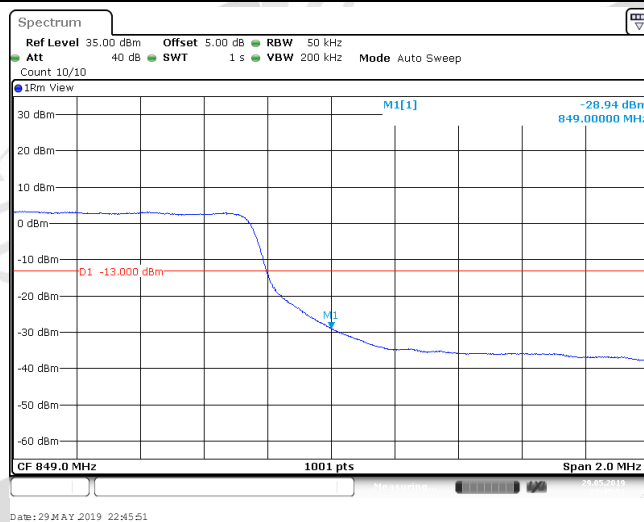
BAND 26_5MHz_QPSK_26815_25RB#0



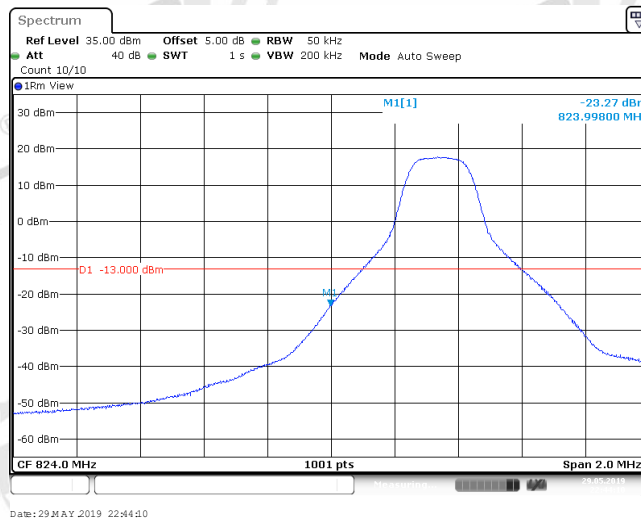
BAND 26_5MHz_QPSK_27015_1RB#24



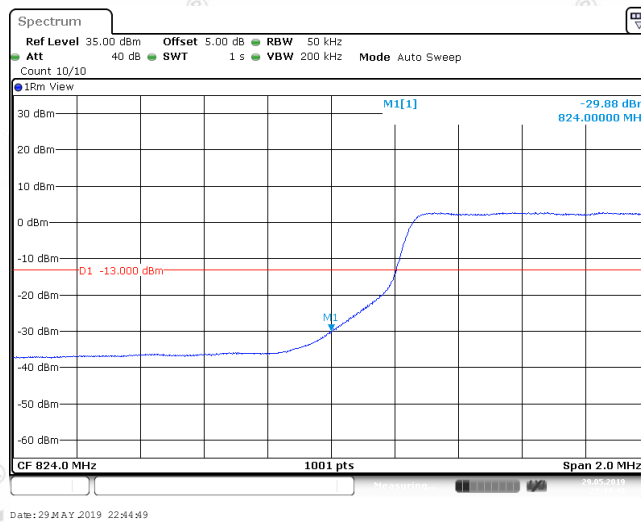
BAND 26_5MHz_QPSK_27015_25RB#0



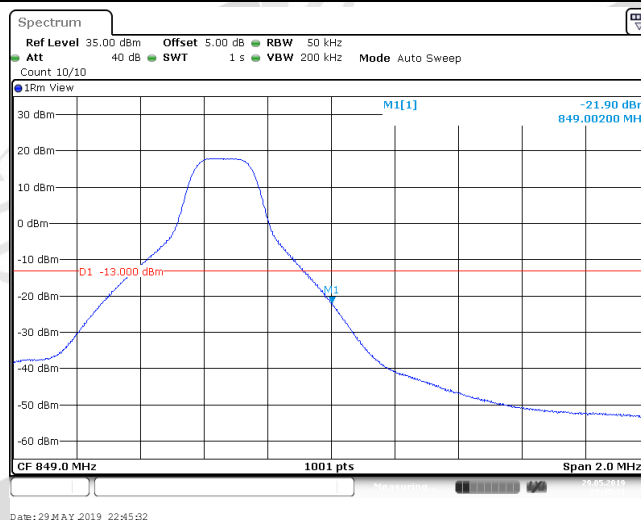
BAND 26_5MHz_16QAM_26815_1RB#0



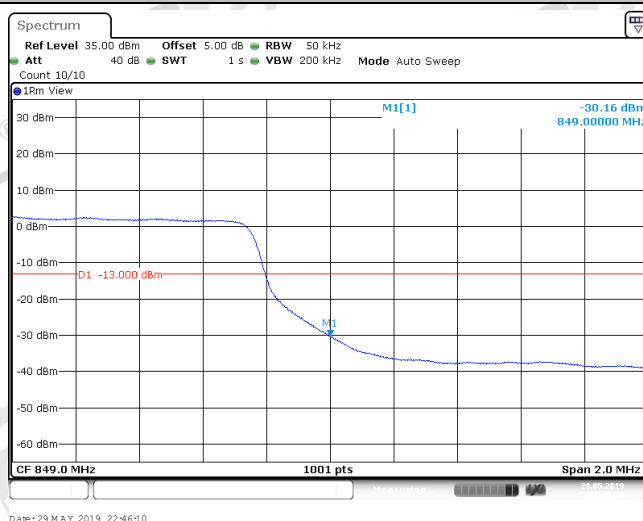
BAND 26_5MHz_16QAM_26815_25RB#0



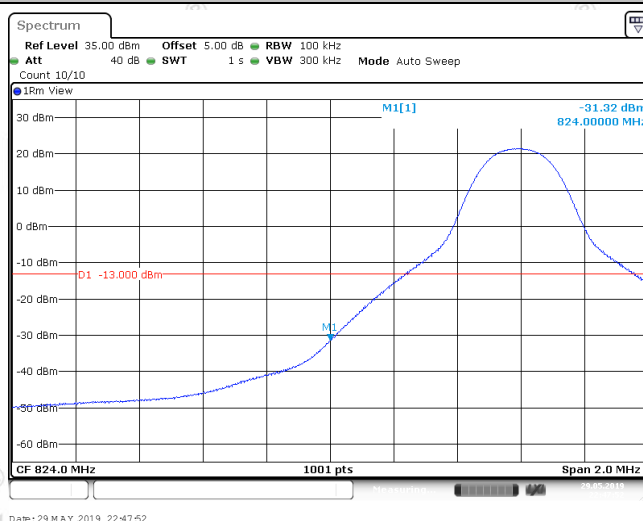
BAND 26_5MHz_16QAM_27015_1RB#24



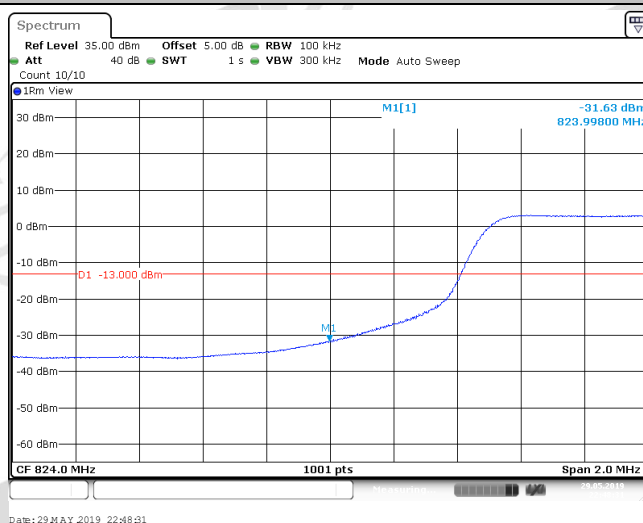
BAND 26_5MHz_16QAM_27015_25RB#0



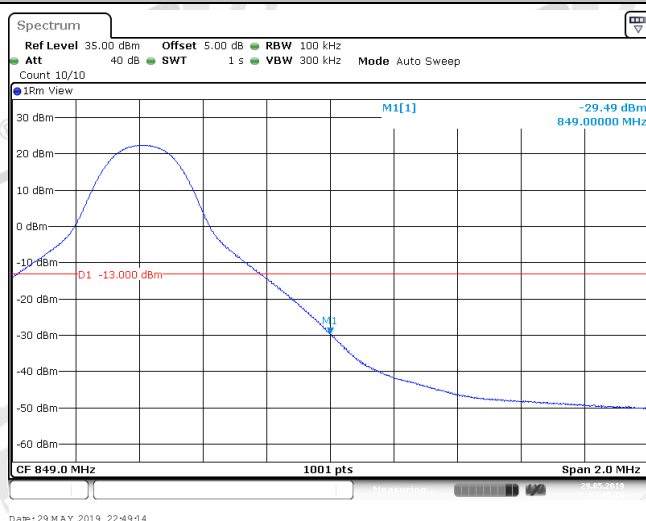
BAND 26_10MHz_QPSK_26840_1RB#0



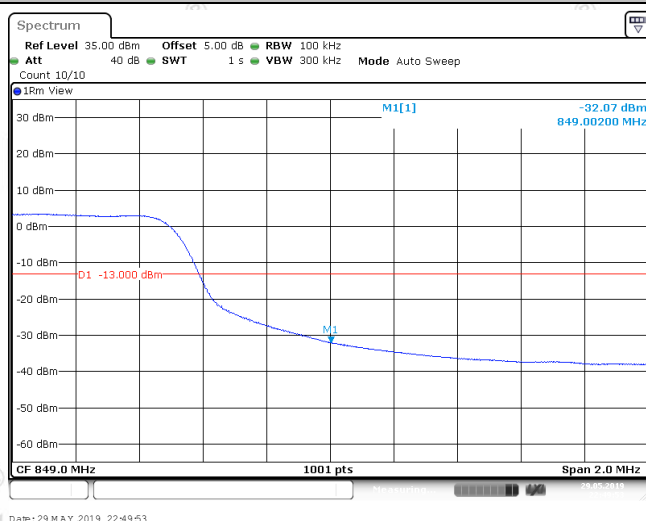
BAND 26_10MHz_QPSK_26840_50RB#0



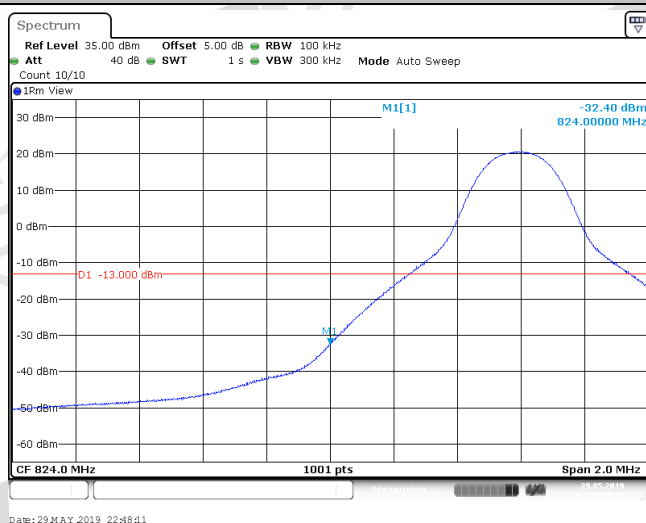
BAND 26_10MHz_QPSK_26990_1RB#49



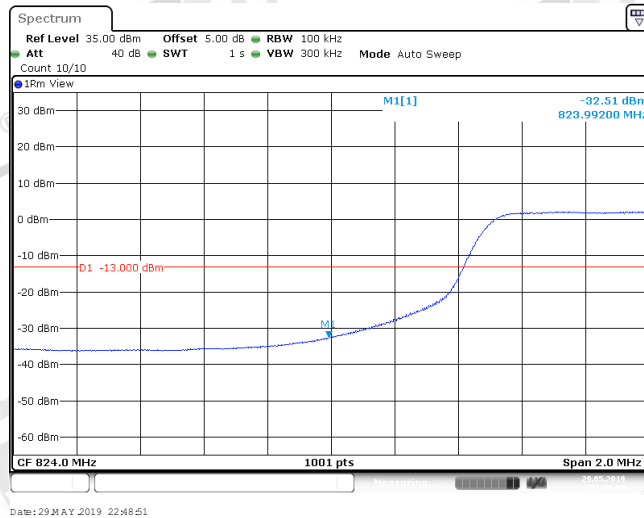
BAND 26_10MHz_QPSK_26990_50RB#0



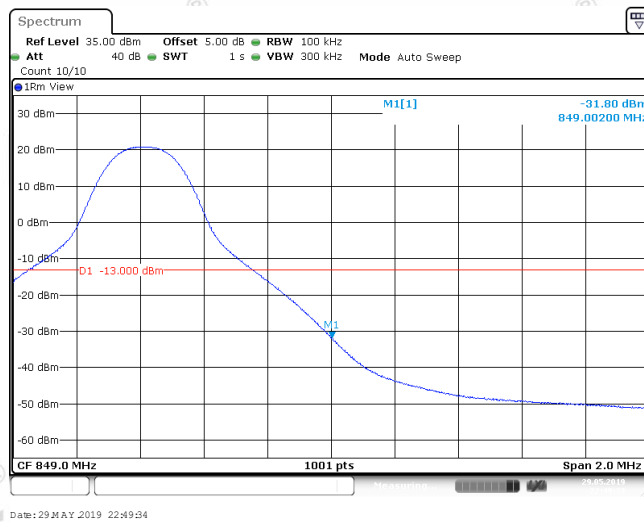
BAND 26_10MHz_16QAM_26840_1RB#0



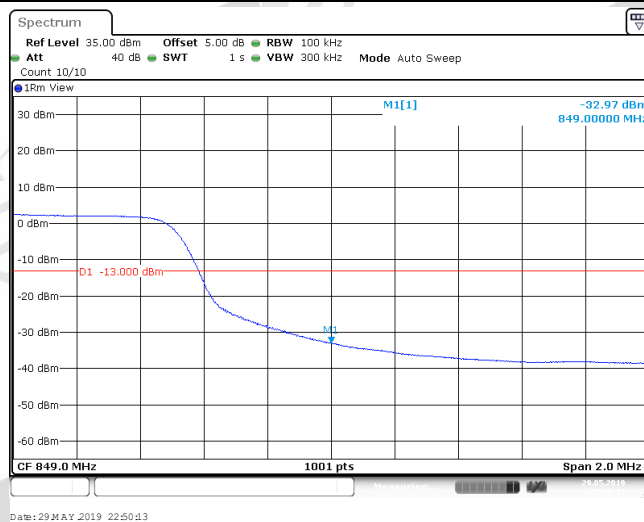
BAND 26_10MHz_16QAM_26840_50RB#0



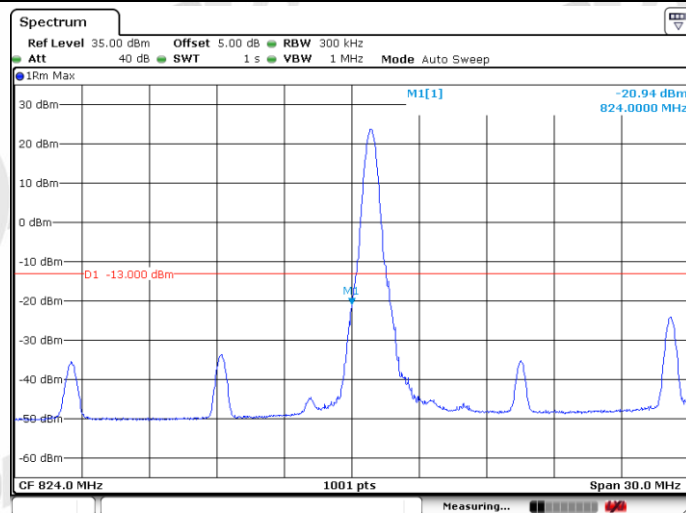
BAND 26_10MHz_16QAM_26990_1RB#49



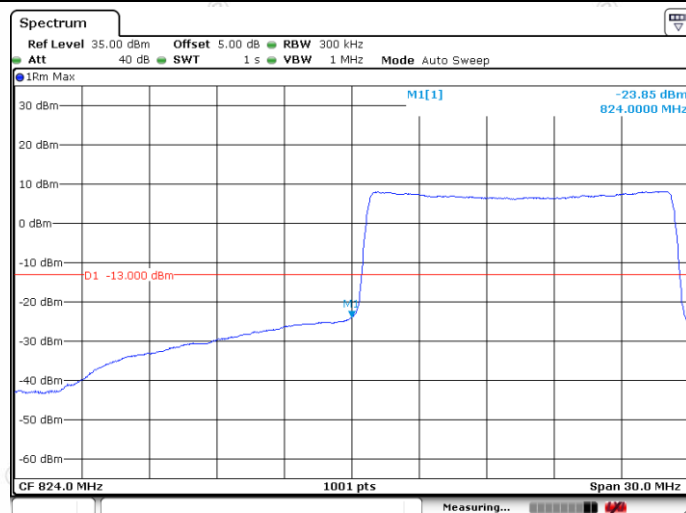
BAND 26_10MHz_16QAM_26990_50RB#0



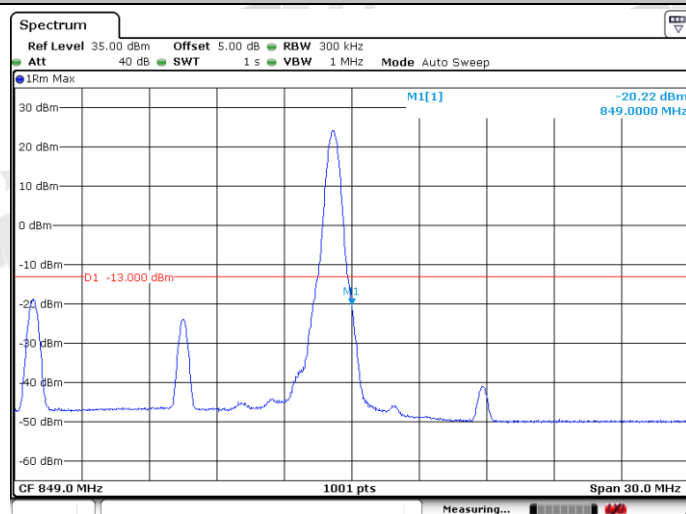
BAND 26_15MHz_QPSK_26865_1RB#0



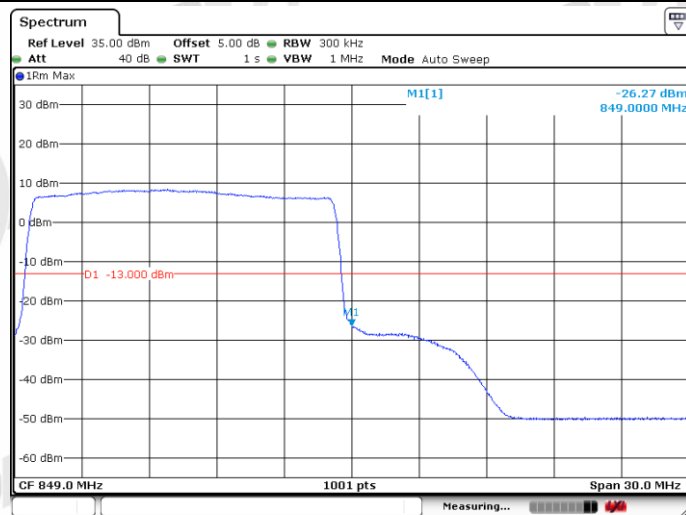
BAND 26_15MHz_QPSK_26865_75RB#0



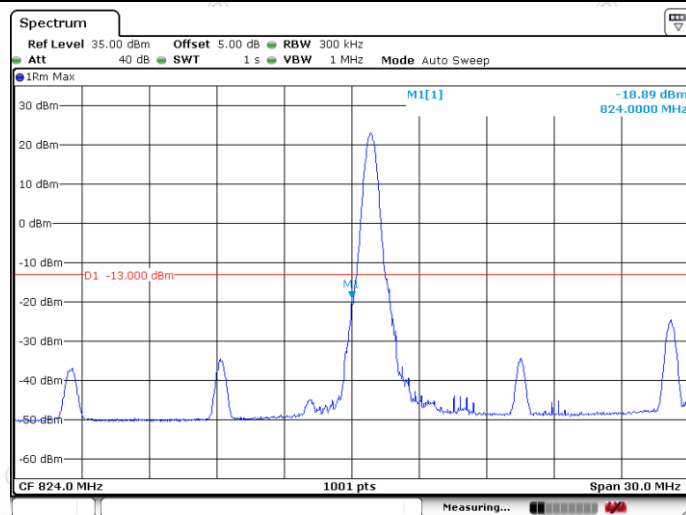
BAND 26_15MHz_QPSK_26965_1RB#74



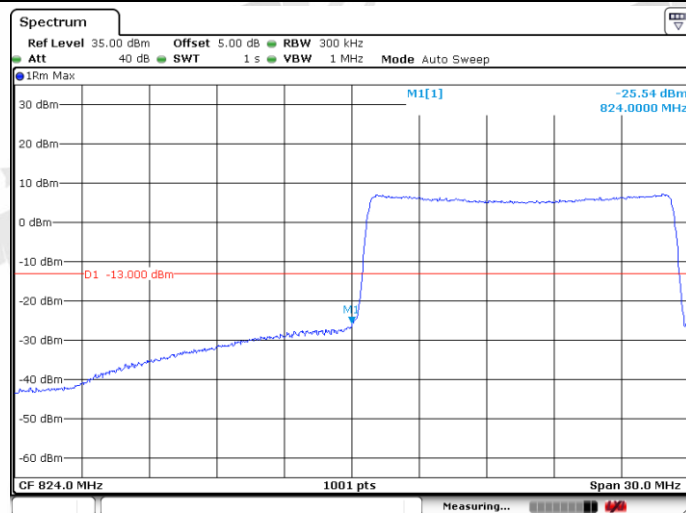
BAND 26_15MHz_QPSK_26965_75RB#0



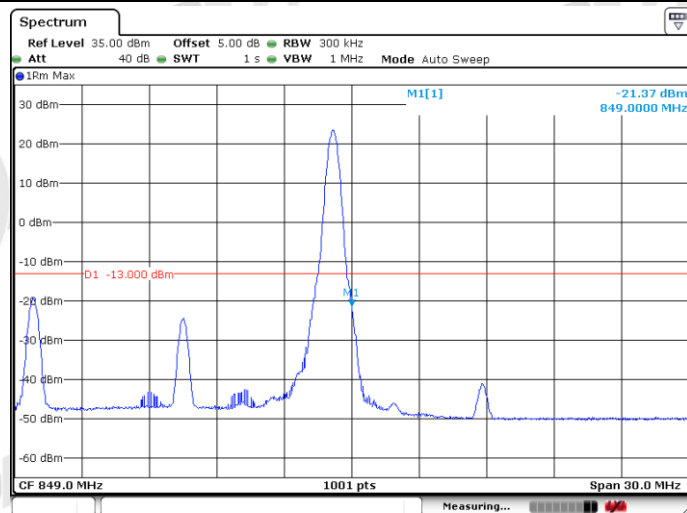
BAND 26_15MHz_16QAM_26865_1RB#0



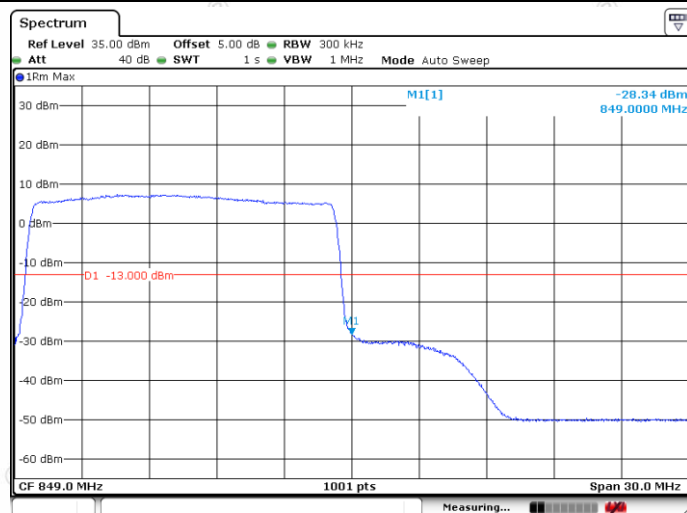
BAND 26_15MHz_16QAM_26865_75RB#0



BAND 26_15MHz_16QAM_26965_1RB#74



BAND 26_15MHz_16QAM_26965_75RB#0

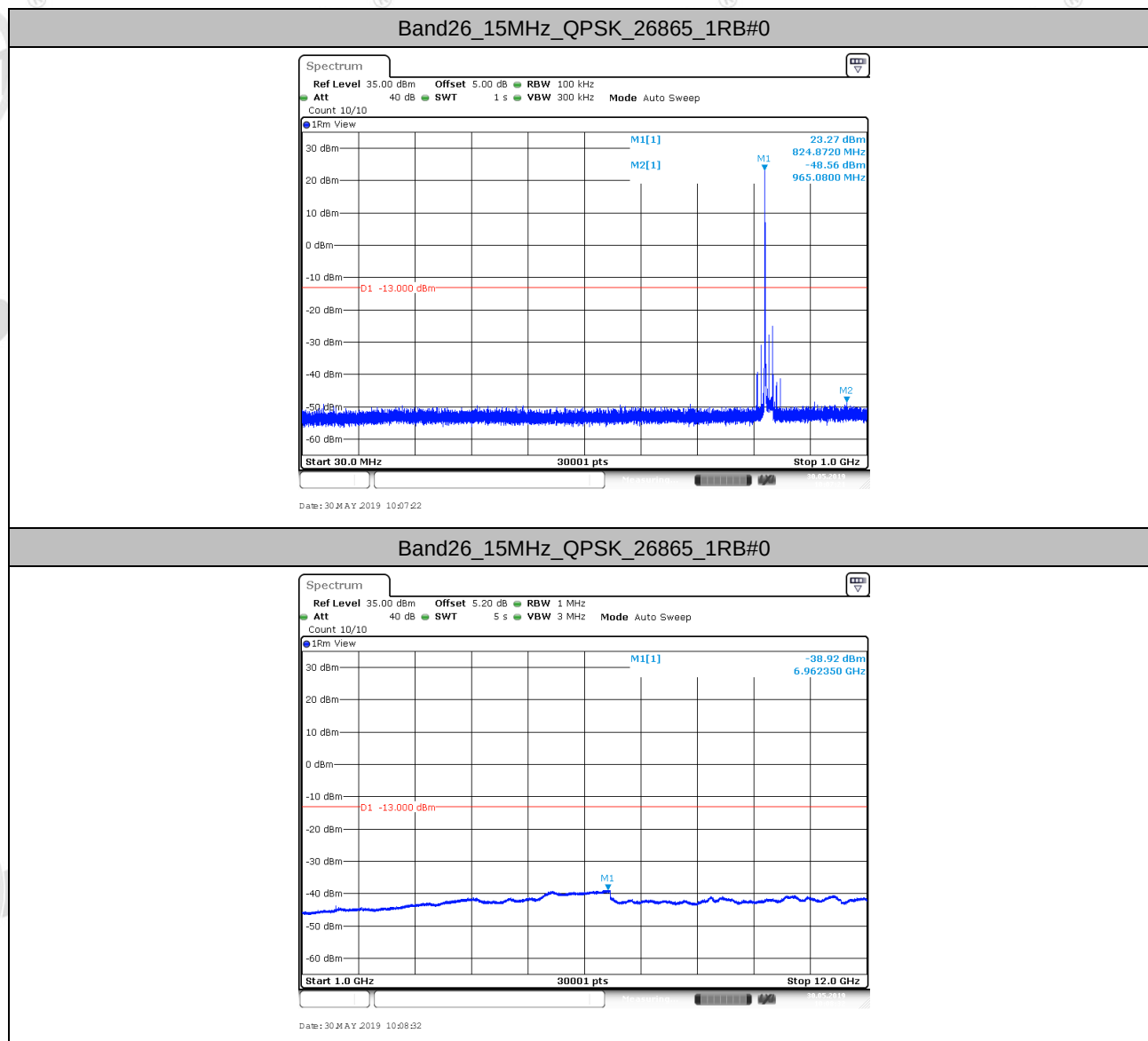


8. Spurious Emission at Antenna Terminal

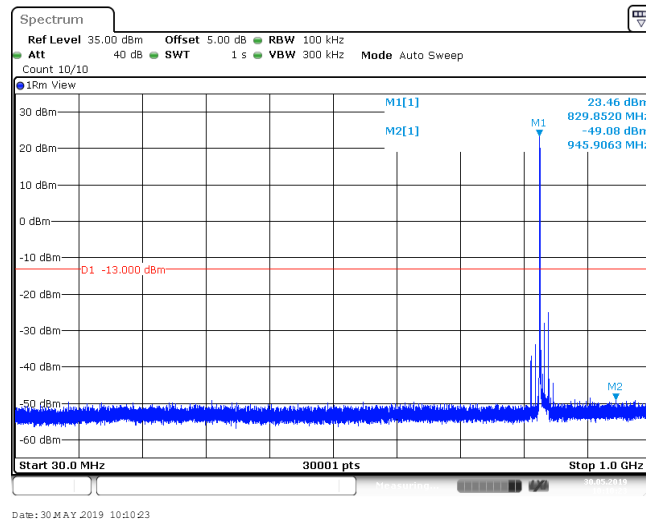
Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

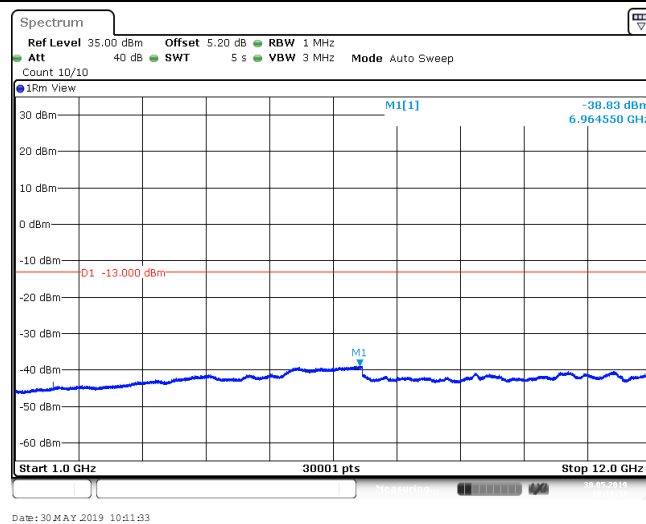
8.1. Test Plots



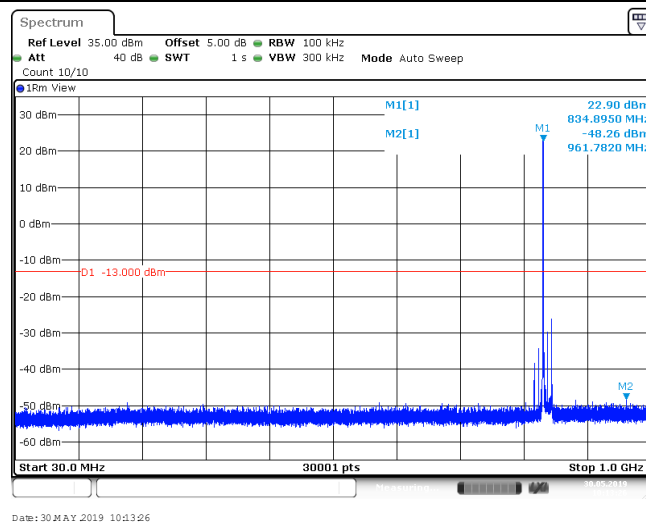
Band26_15MHz_QPSK_26915_1RB#0



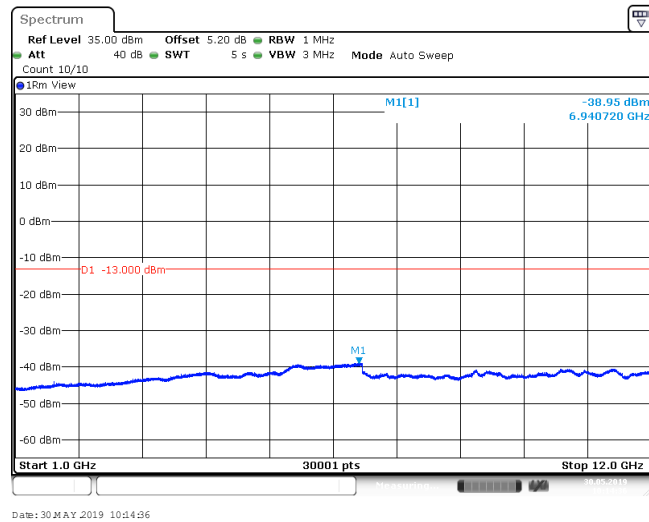
Band26_15MHz_QPSK_26915_1RB#0



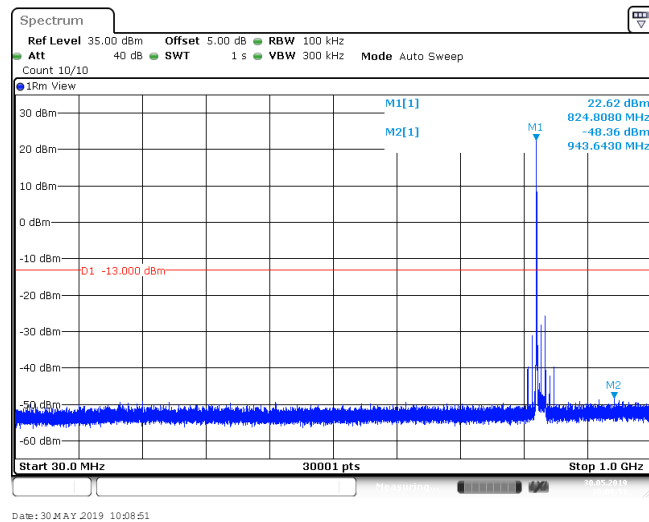
Band26_15MHz_QPSK_26965_1RB#0



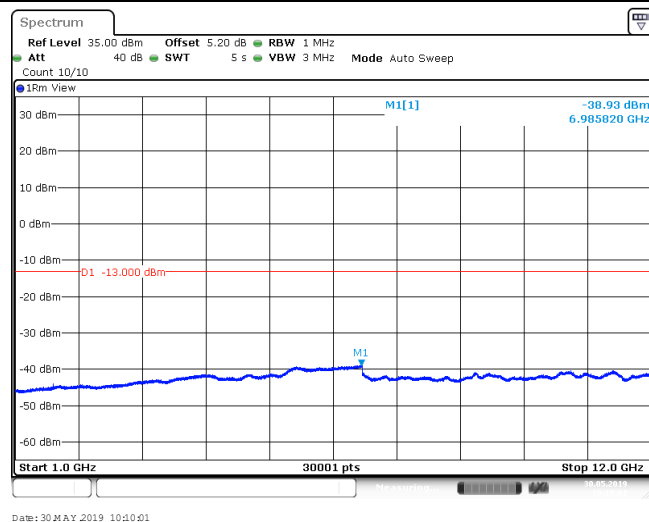
Band26_15MHz_QPSK_26965_1RB#0



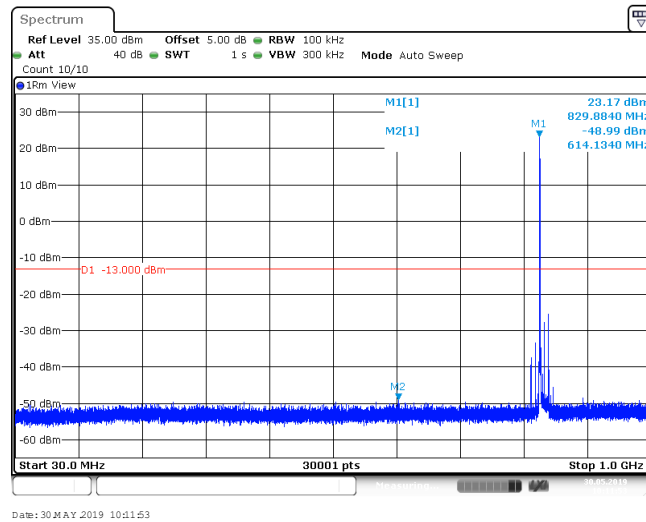
Band26_15MHz_16QAM_26865_1RB#0



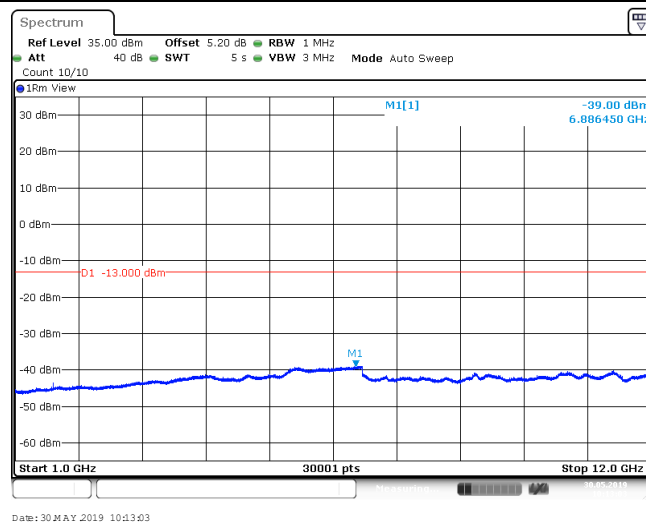
Band26_15MHz_16QAM_26865_1RB#0



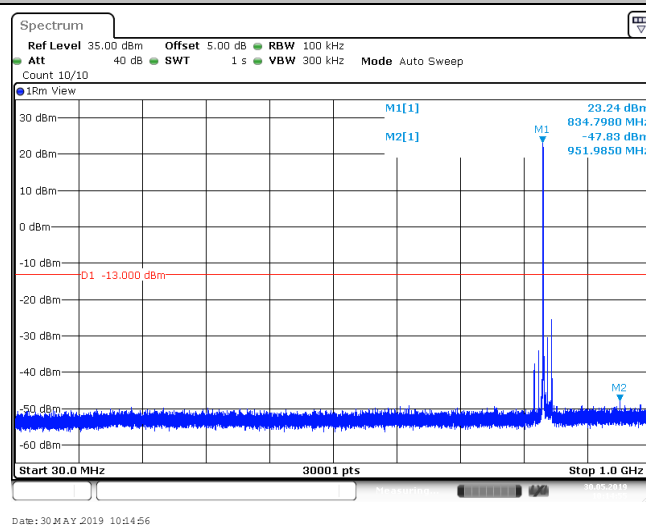
Band26_15MHz_16QAM_26915_1RB#0



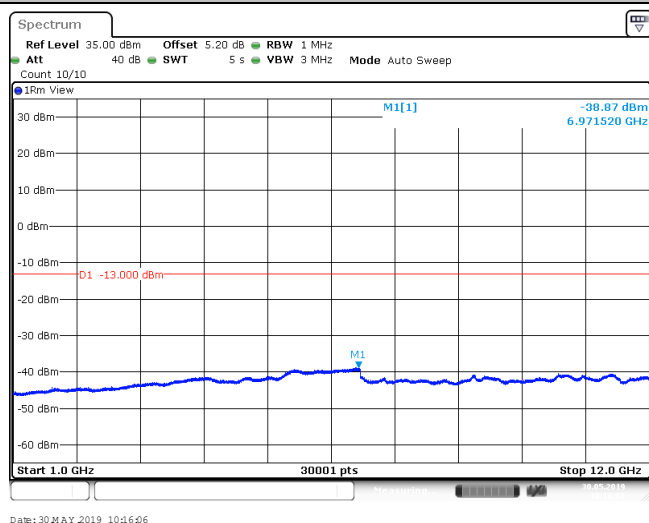
Band26_15MHz_16QAM_26915_1RB#0



Band26_15MHz_16QAM_26965_1RB#0



Band26_15MHz_16QAM_26965_1RB#0



9. Frequency Stability

9.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	VL	NT	0.80	0.000962	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VN	NT	1.20	0.001443	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	VH	NT	-0.80	-0.000962	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VL	NT	-2.00	-0.002391	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VN	NT	1.00	0.001195	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	VH	NT	-0.50	-0.000598	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VL	NT	-1.50	-0.001783	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VN	NT	-2.30	-0.002733	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	VH	NT	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VL	NT	-0.10	-0.000120	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VN	NT	-1.70	-0.002044	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	VH	NT	1.40	0.001684	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VL	NT	1.70	0.002032	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VN	NT	0.20	0.000239	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	VH	NT	0.80	0.000956	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VL	NT	-2.40	-0.002852	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VN	NT	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	VH	NT	0.50	0.000594	±2.5	PASS

9.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	15MHz	QPSK	26865	75RB#0	NV	-30	-1.60	-0.001924	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	-20	-1.50	-0.001804	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	0	-1.00	-0.001203	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	10	0.30	0.000361	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	30	0.20	0.000241	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	40	-2.30	-0.002766	±2.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	NV	50	-1.60	-0.001924	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-30	-0.30	-0.000359	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	-20	-2.40	-0.002869	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	0	-2.80	-0.003347	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	10	-1.60	-0.001913	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	20	-2.20	-0.002630	±2.5	PASS

Band26	15MHz	QPSK	26915	75RB#0	NV	30	-2.40	-0.002869	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	40	0.70	0.000837	±2.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	NV	50	0.20	0.000239	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-30	-1.10	-0.001307	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	-20	-0.60	-0.000713	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	0	0.20	0.000238	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	10	-3.60	-0.004278	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	20	-0.80	-0.000951	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	30	-3.20	-0.003803	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	40	-1.90	-0.002258	±2.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	NV	50	-0.70	-0.000832	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-30	-1.80	-0.002165	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	-20	-0.50	-0.000601	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	0	-1.50	-0.001804	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	10	2.50	0.003007	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	20	-1.40	-0.001684	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	30	-0.60	-0.000722	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	40	-0.80	-0.000962	±2.5	PASS
Band26	15MHz	16QAM	26865	75RB#0	NV	50	-1.70	-0.002044	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	0	-2.80	-0.003347	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	10	0.80	0.000956	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	20	1.00	0.001195	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	30	0.00	0.000000	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	40	0.60	0.000717	±2.5	PASS
Band26	15MHz	16QAM	26915	75RB#0	NV	50	0.50	0.000598	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-30	1.20	0.001426	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	-20	1.50	0.001783	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	0	0.40	0.000475	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	10	-3.60	-0.004278	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	20	-2.00	-0.002377	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	30	-0.90	-0.001070	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	40	-2.10	-0.002496	±2.5	PASS
Band26	15MHz	16QAM	26965	75RB#0	NV	50	-3.70	-0.004397	±2.5	PASS

The End