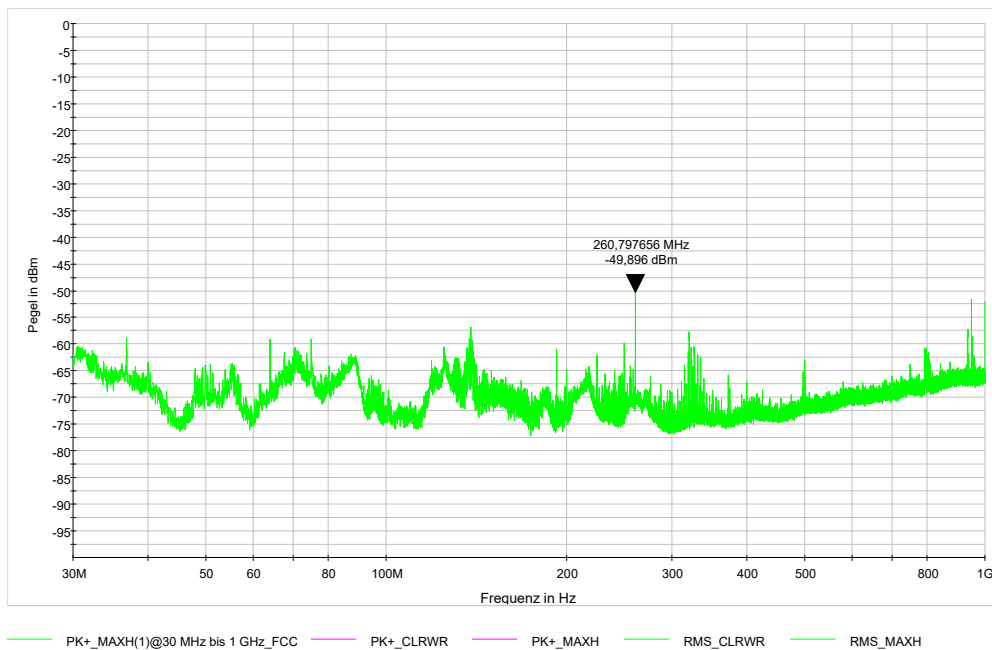


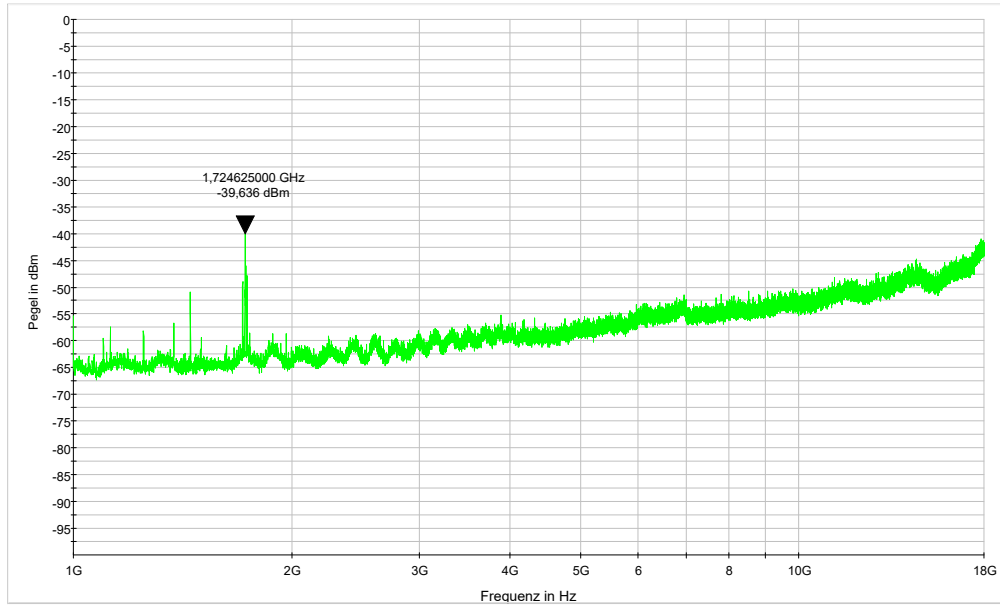
4.4.2.) Spurious emissions worst case for each frequency range

Frequency range 30 MHz – 1 GHz worst case:



Tuned frequency = 29,003 GHz, BPSK at 5Msymbols/s

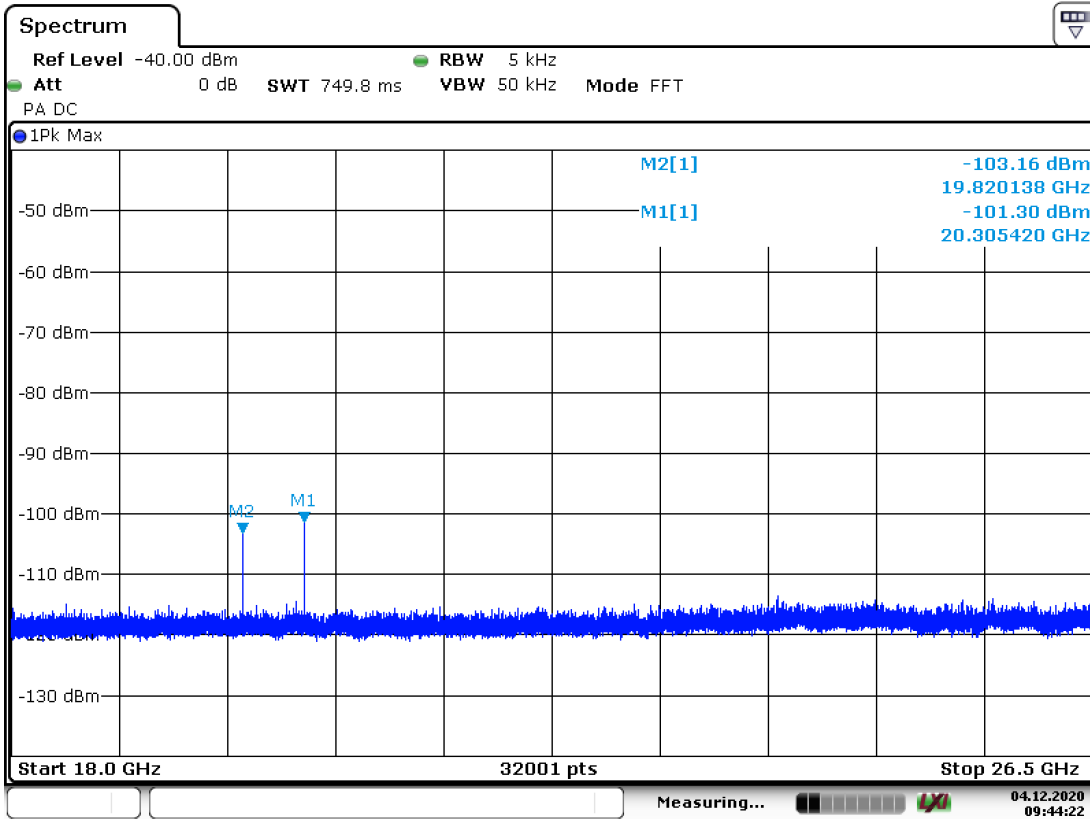
Frequency range 1 GHz – 18 GHz worst case:



PK+_MAXH(1)@30 MHz bis 1 GHz_FCC PK+_CLRWR PK+_MAXH RMS_CLRWR RMS_MAXH

Tuned frequency = 29,5 GHz, BPSK at 1Msymbol/s

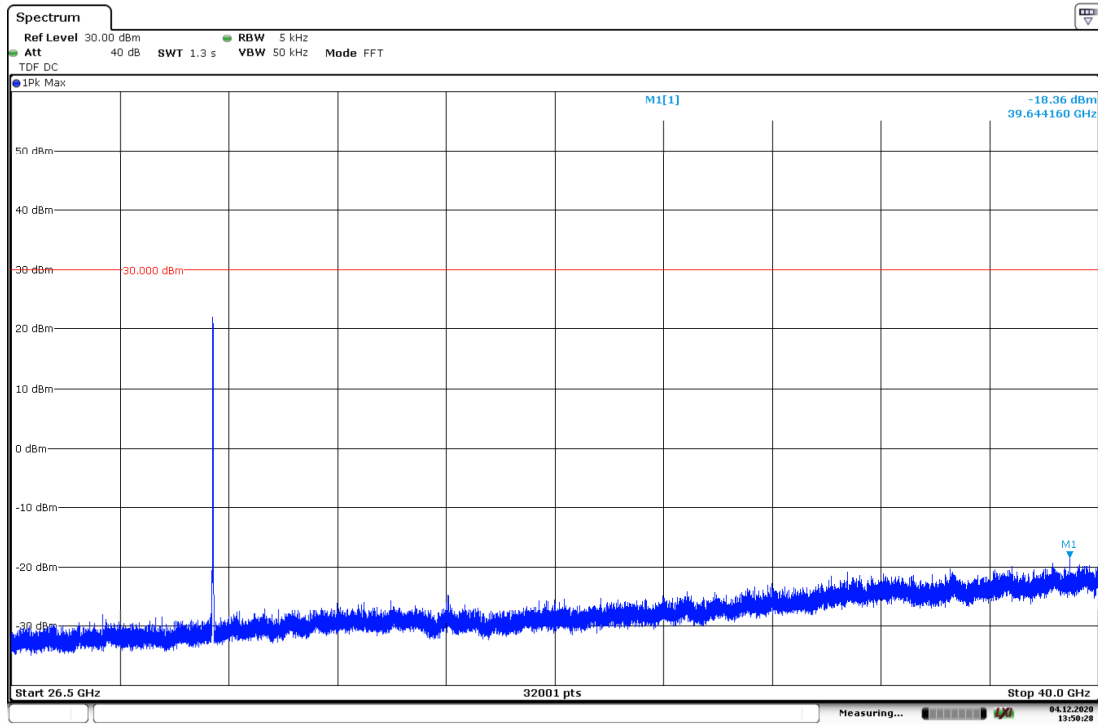
Frequency range 18 GHz – 26,5 GHz worst case:



Date: 4.DEC.2020 09:44:22

Tuned frequency = 29,001 GHz, BPSK at 1Msymbol/s

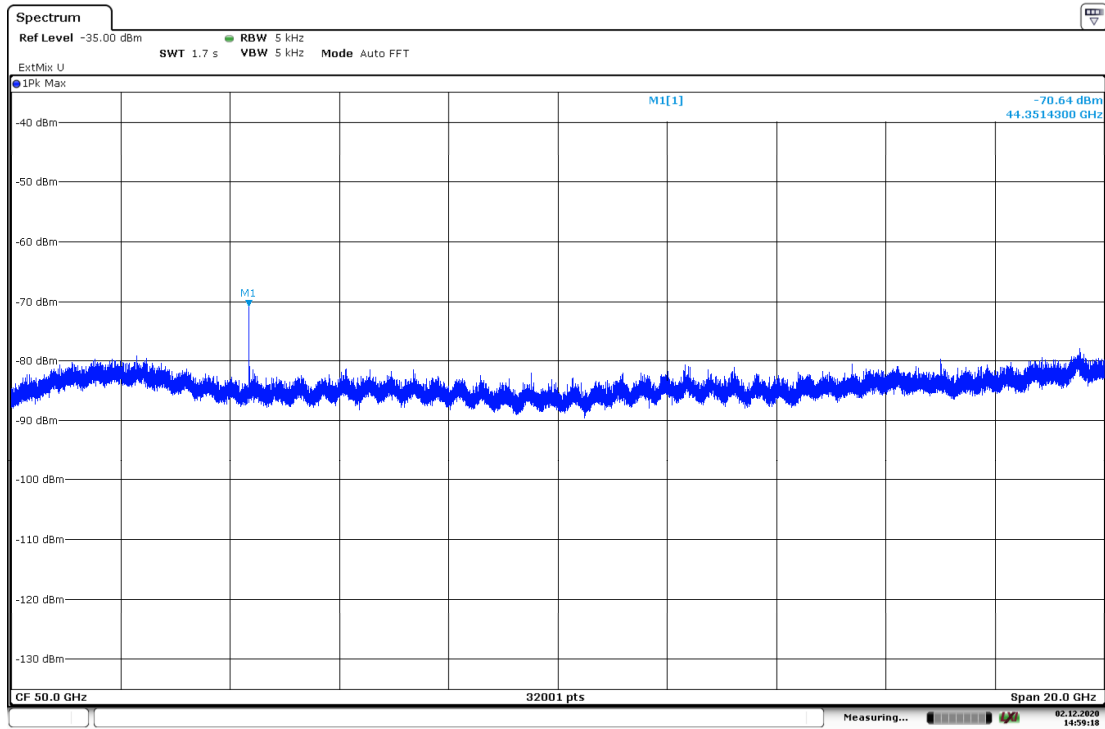
Frequency range 26,5 GHz – 40 GHz worst case:



Date: 4.DEC.2020 13:50:28

Tuned frequency = 29,003 GHz, QPSK at 5Msymbols/s

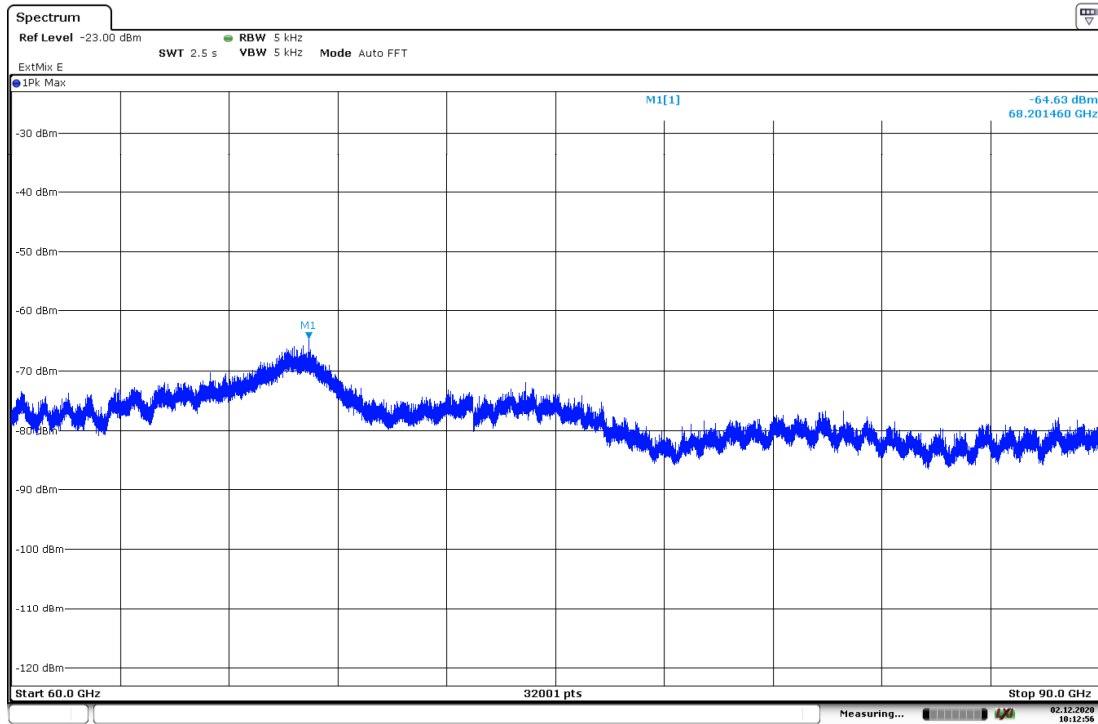
Frequency range 40 GHz – 60 GHz worst case:



Date: 2.DEC.2020 14:59:18

Tuned frequency = 29,997 GHz, BPSK at 5Msymbols/s

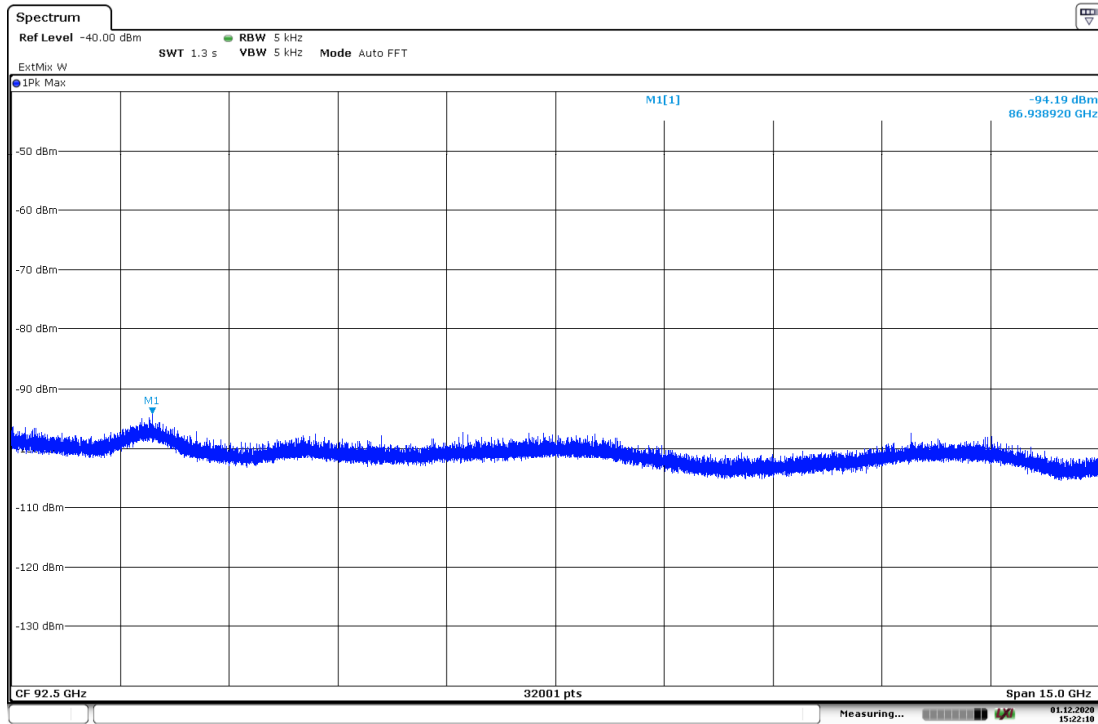
Frequency range 60 GHz – 90 GHz worst case:



Date: 2 DEC.2020 10:12:57

Tuned frequency = 29,999 GHz, QPSK at 1Msymbol/s

Frequency range 85 GHz – 100 GHz worst case:



Date: 1.DEC.2020 15:22:10

Tuned frequency = 29,003 GHz, 8PSK at 5Msymbols/s

4.5.) Frequency tolerance (voltage variation)

§ 25.202d

LIMIT: 0,001%

SUBCLAUSE 25.202(d)

Tuned Frequency GHz	Modulation	Symbol Rate Msym/s	AC power			Limit %	Result
			97,75 V	115 V	132,25 V		
			peak frequency error in %				
29,001	BPSK	1	0,000080	0,000080	0,000081	0,001	PASS
29,001	QPSK	1	0,000080	0,000080	0,000081	0,001	PASS
29,001	8PSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,500	BPSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,500	QPSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,500	8PSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,999	BPSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,999	QPSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,999	8PSK	1	0,000080	0,000081	0,000081	0,001	PASS
29,003	BPSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,003	QPSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,003	8PSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,500	BPSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,500	QPSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,500	8PSK	5	0,000080	0,000081	0,000081	0,001	PASS
29,997	BPSK	5	0,000081	0,000081	0,000081	0,001	PASS
29,997	QPSK	5	0,000081	0,000081	0,000081	0,001	PASS
29,997	8PSK	5	0,000081	0,000081	0,000081	0,001	PASS

Test Equipment used: FSW67 + calibrated cabling

Remarks: As can be seen in this list, the relative frequency error does neither rely on the operating frequency, nor on the modulation scheme or symbol rate. Therefore measurements during temperature variations were performed only at the center frequency with lowest available symbol rate.

4.6.) Frequency tolerance (temperature variation) § 25.202d

LIMIT: 0,001% SUBCLAUSE 25.202(d)

Tuned frequency = 29,5 GHz, BPSK at 1Msymbol/s

To comply with other regulatory requirements, the investigated temperature range was expanded to -55°C up to + 70°C. The frequency error was not only measured at 10 degrees steps but during the whole temperature variation process, using the max-hold function of the measuring device.

The maximum observed value of relative frequency error during various temperature changes between -55°C and +70°C and vice versa was:

0,000082 %

Test Equipment used: M-1200; FSW67 + calibrated cabling

4.7.) Off Axis EIRP Emissions density within the band

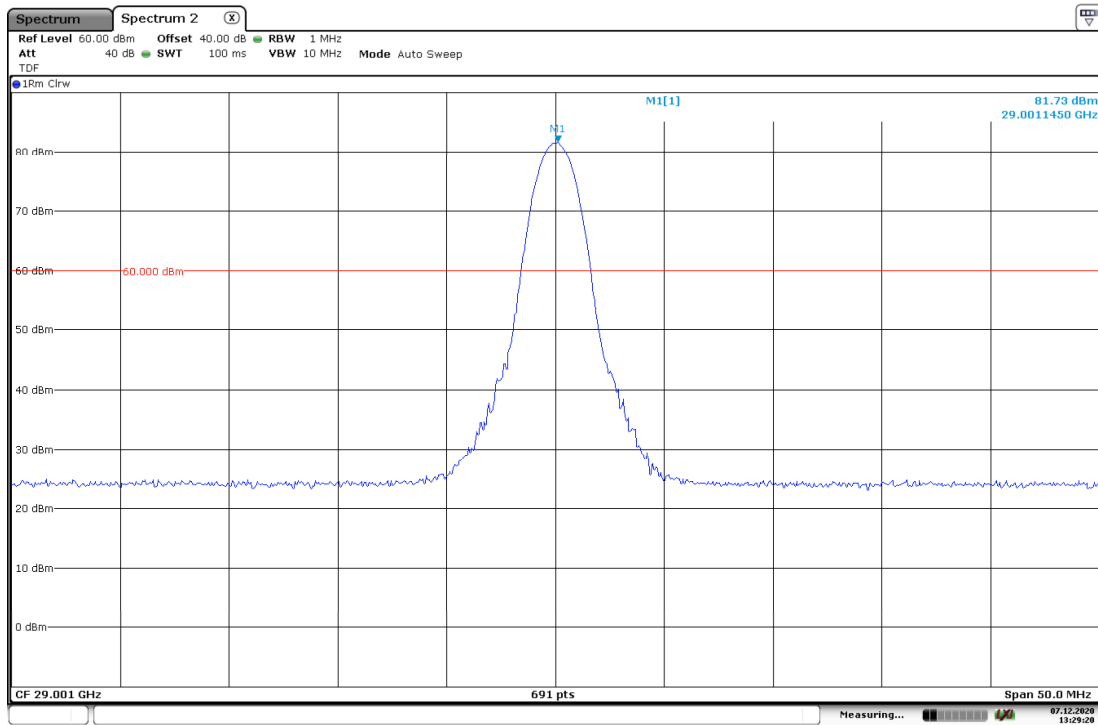
§ 25.218

Conducted Measurement accounting for antenna gain
Test Equipment used: EMV-205 + calibrated cabling

Tuned Frequency	Modulation	Symbol Rate	Recorded Measurement
GHz		Msym/s	dBW/MHz
29,001	BPSK	1	51,73
29,001	QPSK	1	51,62
29,001	8PSK	1	51,70
29,500	BPSK	1	51,76
29,500	QPSK	1	52,29
29,500	8PSK	1	51,86
29,999	BPSK	1	51,18
29,999	QPSK	1	51,77
29,999	8PSK	1	51,76
29,003	BPSK	5	45,44
29,003	QPSK	5	45,98
29,003	8PSK	5	46,68
29,500	BPSK	5	46,22
29,500	QPSK	5	46,04
29,500	8PSK	5	46,35
29,997	BPSK	5	46,03
29,997	QPSK	5	46,13
29,997	8PSK	5	46,32

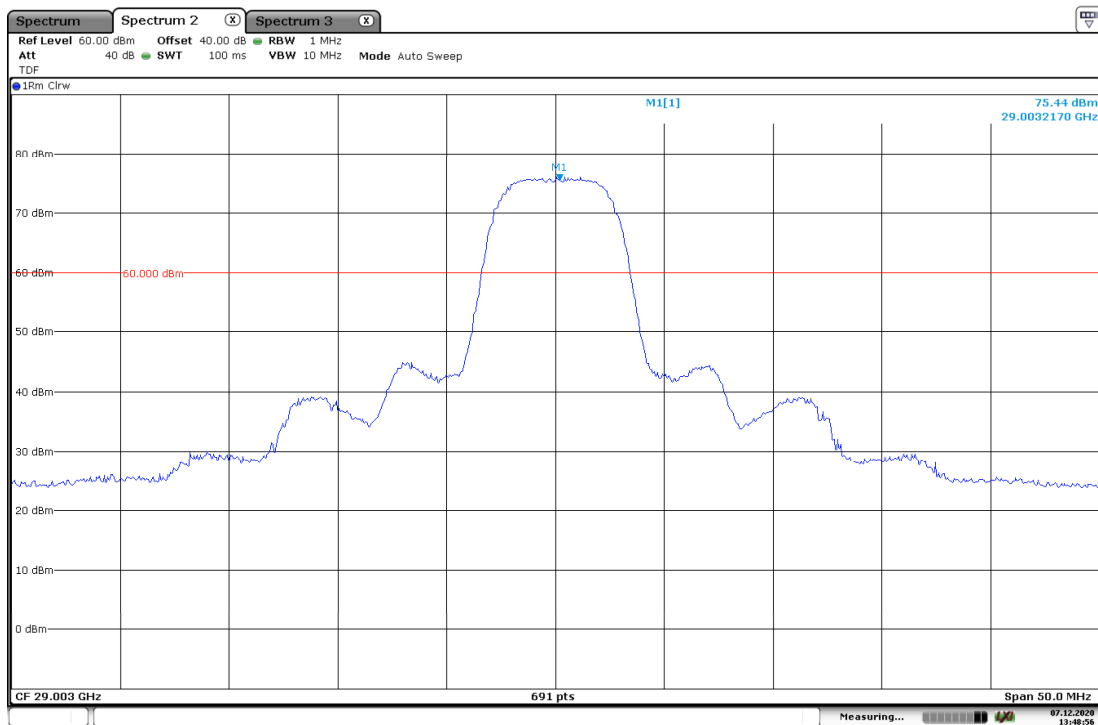
Measurements were performed conducted at the highest possible output power. For reference to the off-axis limits see declarations and measurements documented in section 4.8. of this test report.

Tuned frequency = 29.001 GHz, BPSK at 1Msymbols/s



Date: 7 DEC 2020 13:29:20

Tuned frequency = 29.003 GHz, BPSK at 5Msymbols/s



Date: 7 DEC 2020 13:48:57

4.8.) Uplink power control § 25.204

In order to compensate for any exceedances of the off-axis EIRPSD mask in the GSO plane resulting from the skew angle effect, the network employs a dynamic control mechanism of the power spectral density level radiated by the MCS-8562 terminal by varying the emission bandwidth or the power at the antenna flange or a combination of both.

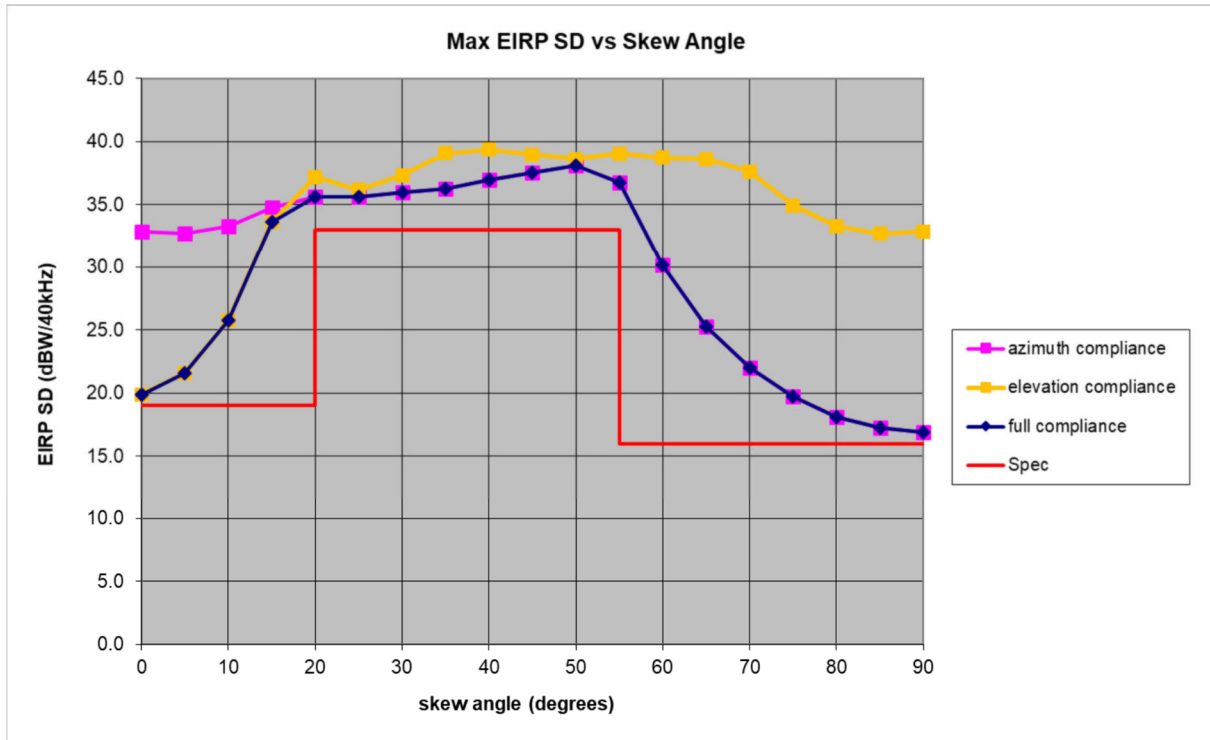
This dynamic control mechanism employs adaptive coding and modulation to ensure that the MCS-8562 terminal will protect adjacent networks under all operational conditions. The terminals in the network are capable of operating on a wide range of codes and modulations, and the network is designed to operate at the lowest power density modulation and code point that allows the link to close. When the modem has sufficient excess transmit capability, it will automatically switch to the next symbol rate and increase data rate, keeping the EIRP density at the minimum required level. The network employs active power control and reduces power when conditions permit. Therefore, each terminal will be programmed to operate only on the codes and modulation that would ensure that the transmissions are at or below the power spectral density limits, thereby avoiding potential interference with adjacent networks.

The range of permissible carriers for each terminal will vary depending on the geographic location and position of the aircraft. The allowed operational range of skew angles is provided on an on-going basis to each terminal by the network based upon the aircraft's actual position. The network will continuously monitor the position of the aircraft, and based upon the terminal location, the network will calculate nominal skew angles.

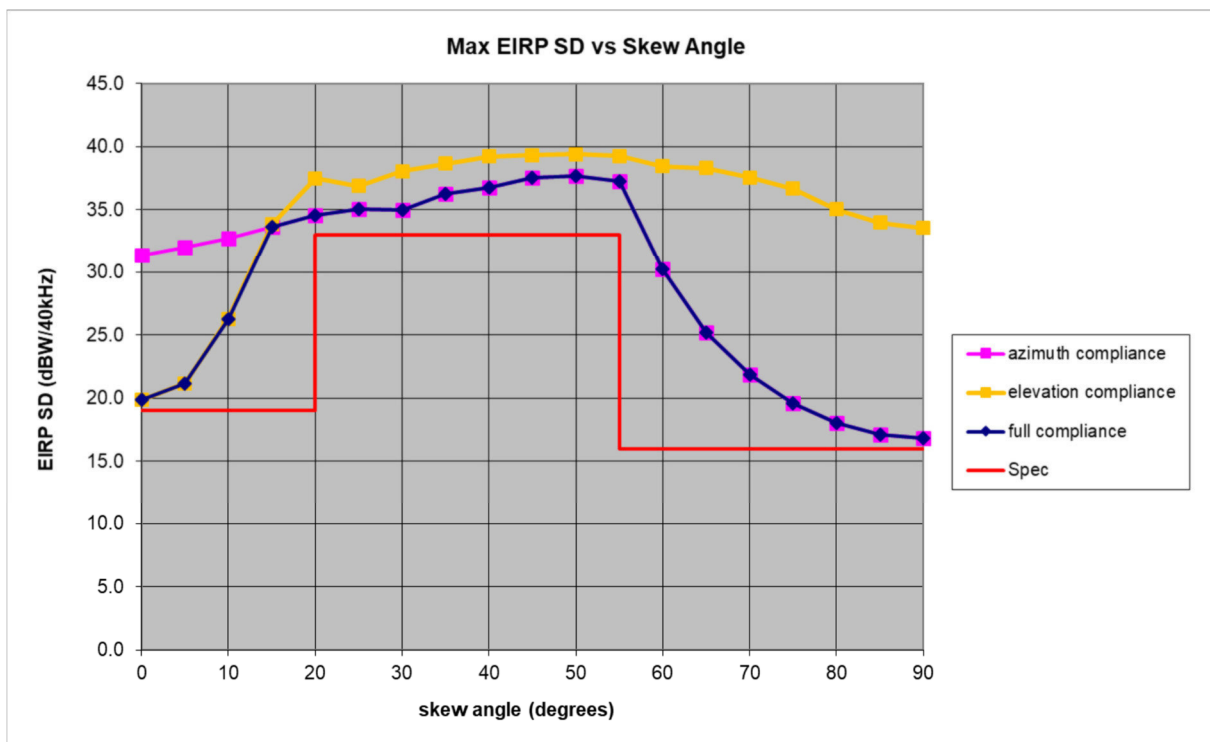
From each calculation, the network will determine carrier assignments for the aircraft based upon EIRPSD limits required by the calculated nominal skew angle. The calculation will include margin for nominal turns and turbulence expected to be experienced by the aircraft during flight. Based on these calculations, the terminal will be instructed by the network of an acceptable range of skew angles where the assigned carrier(s) can be transmitted without exceeding the EIRPSD limits.

The terminal monitors its skew angle continuously to ensure it is operating within the range of skew angles provided by the network. If the terminal detects that its skew angle falls outside of the allowed range provided by the network, that terminal will cease transmissions within 200 msec after detection. This is the same mechanism employed when the terminal detects mispointing that is greater than a given range.

4.8.1.) Max EIRPSD vs Skew – 29.0 GHz

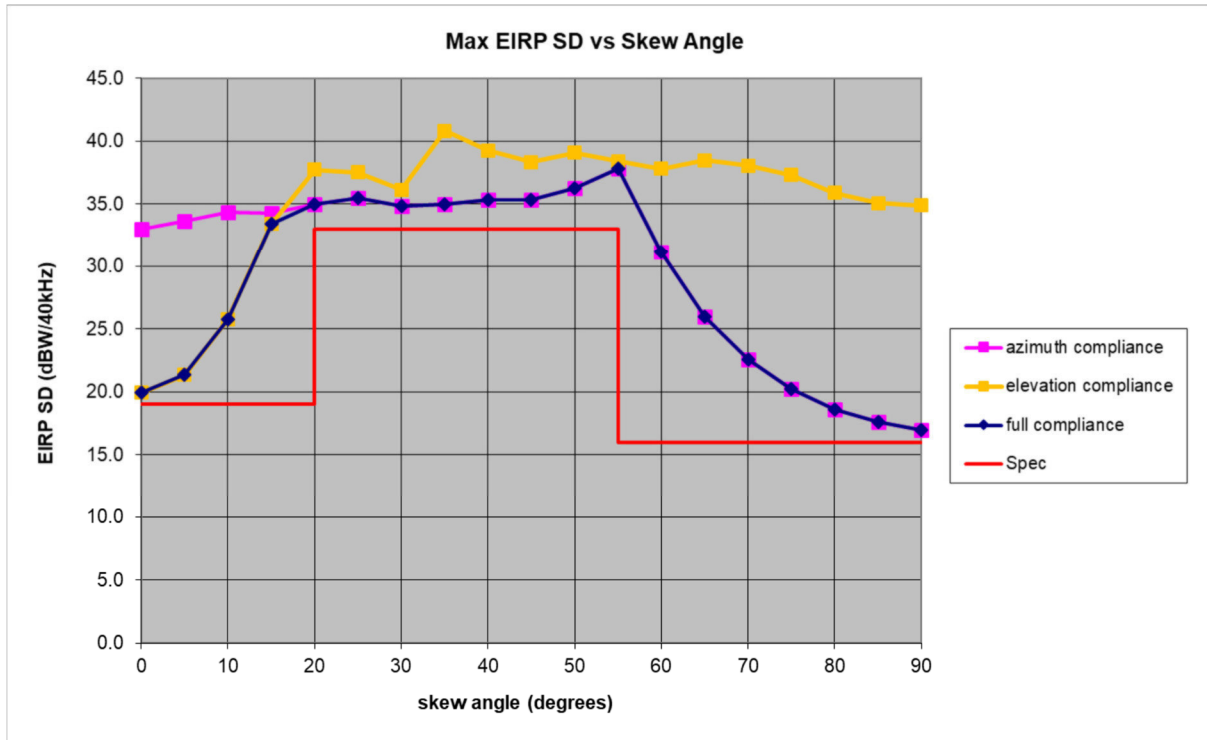


Max EIRPSD vs Skew, RHCP, 29.0 GHz

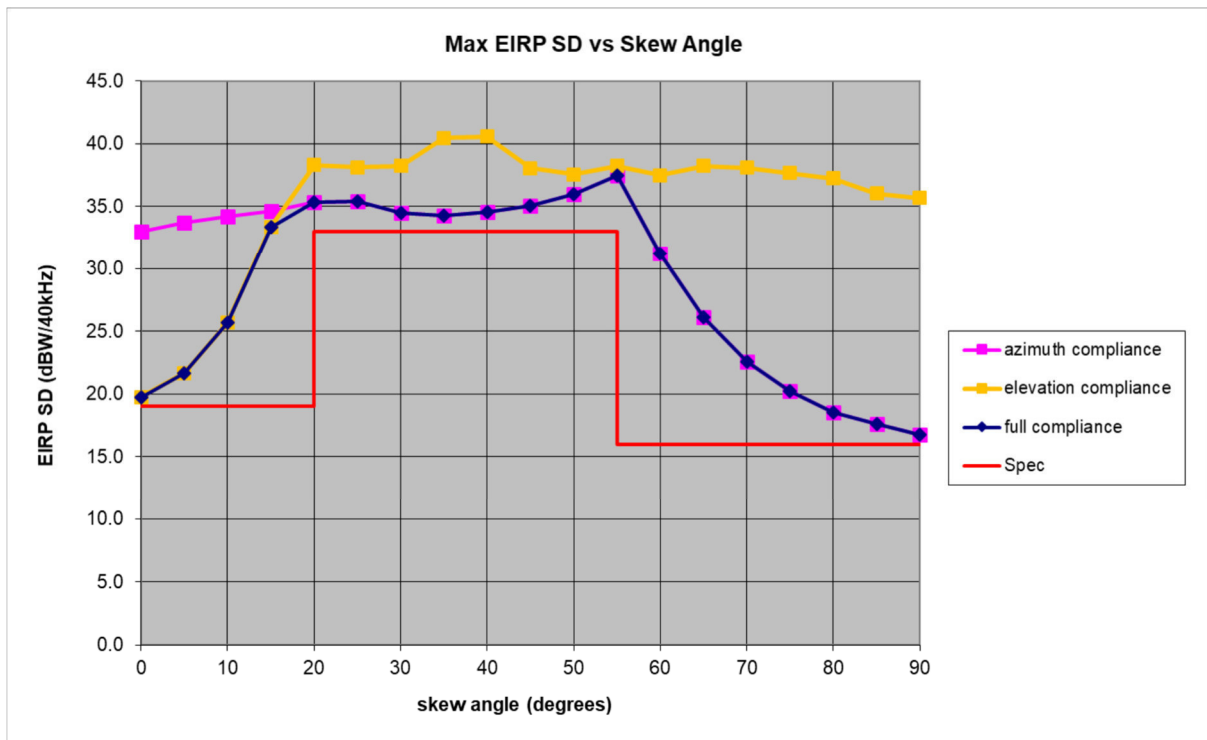


Max EIRPSD vs Skew, LHCP, 29.0 GHz

4.8.2.) Max EIRPSD vs Skew – 29.5 GHz

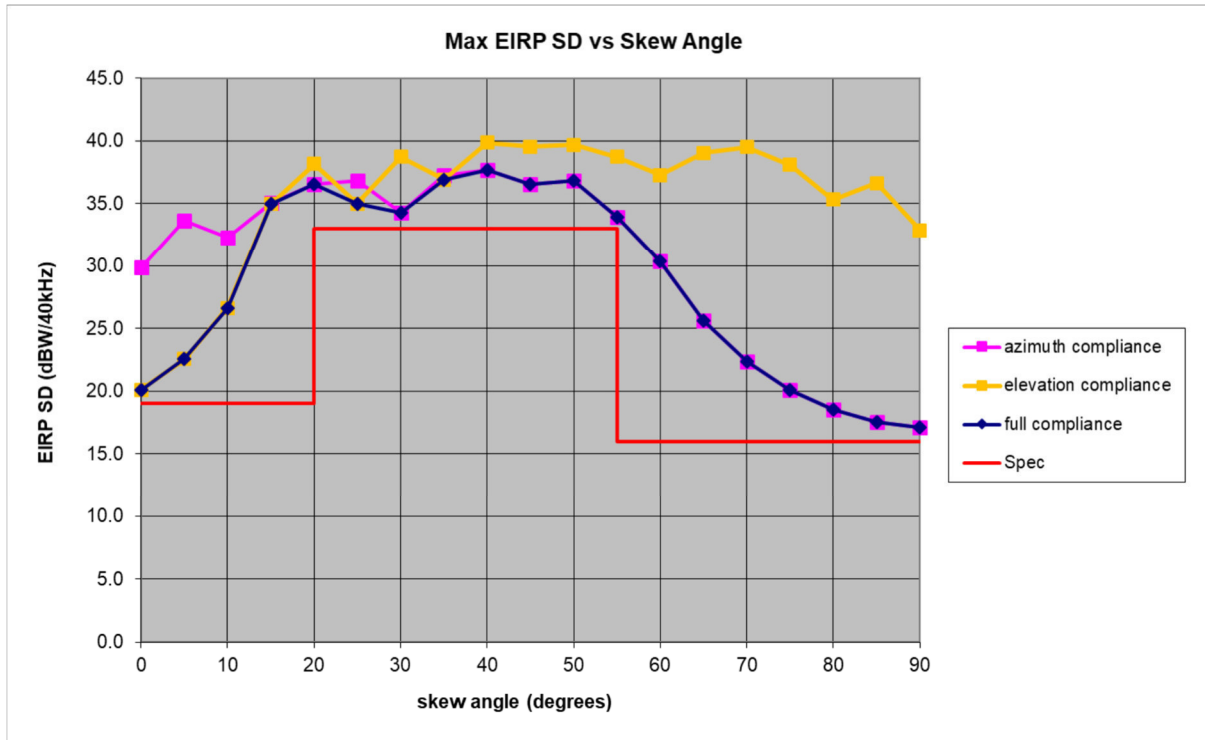


Max EIRPSD vs Skew, RHCP, 29.5 GHz

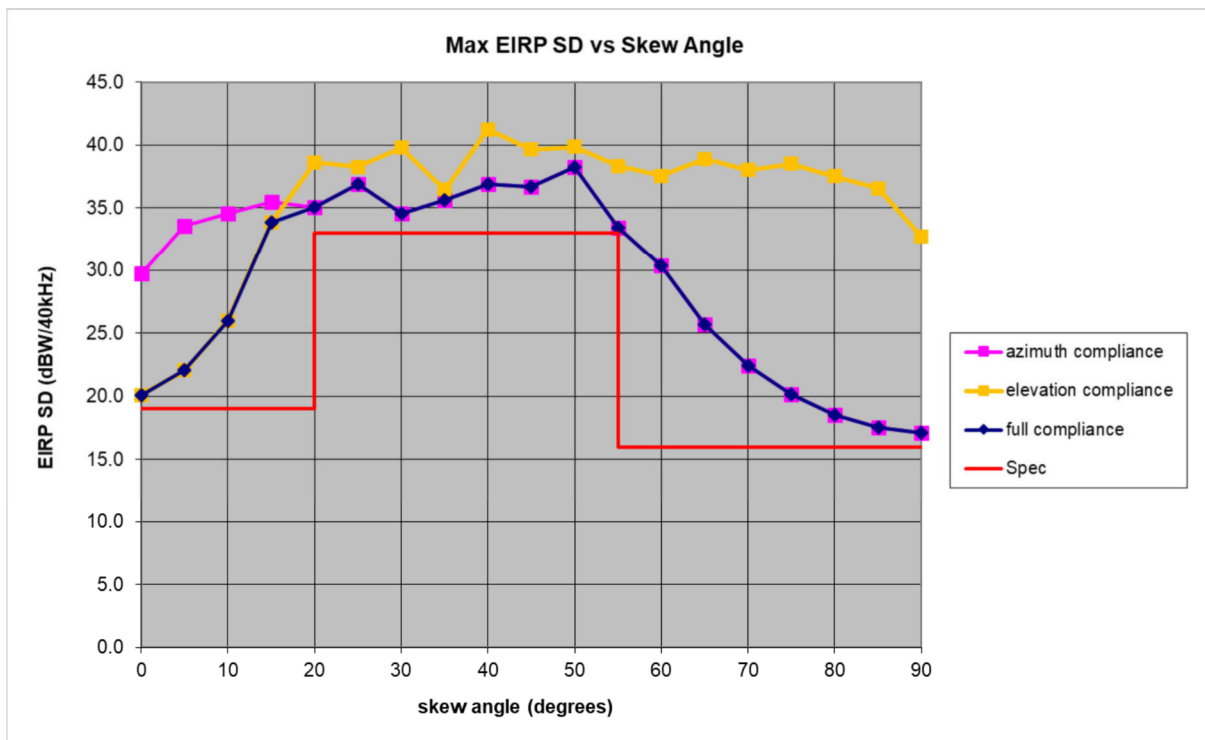


Max EIRPSD vs Skew, LHCP, 29.5 GHz

4.8.3.) Max EIRPSD vs Skew – 30.0 GHz

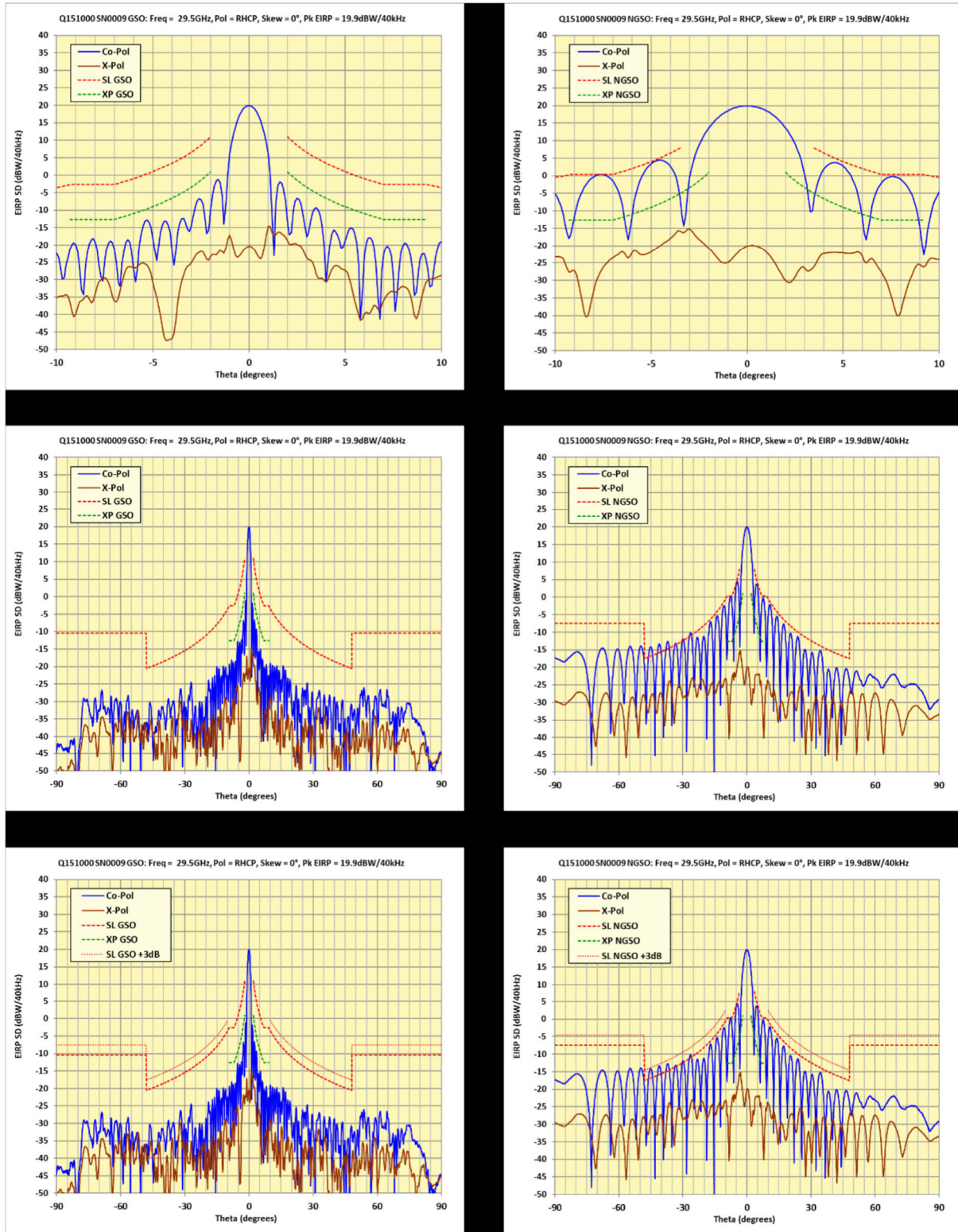


Max EIRPSD vs Skew, RHCP, 30.0 GHz

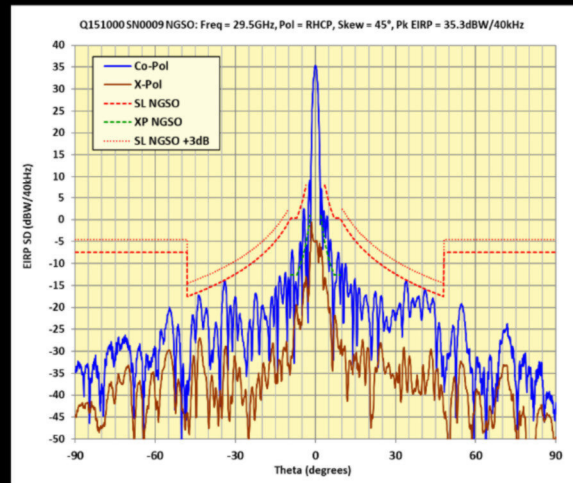
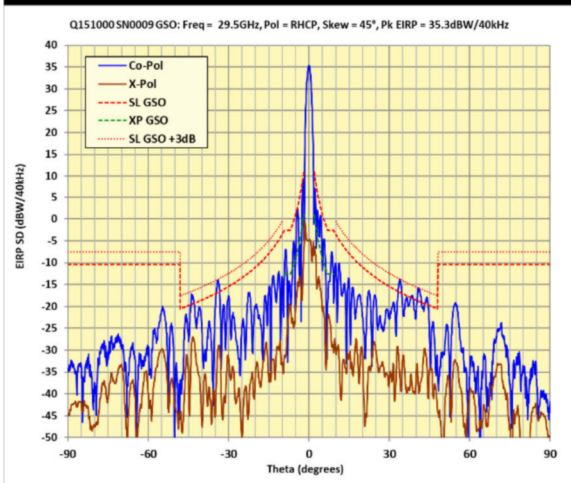
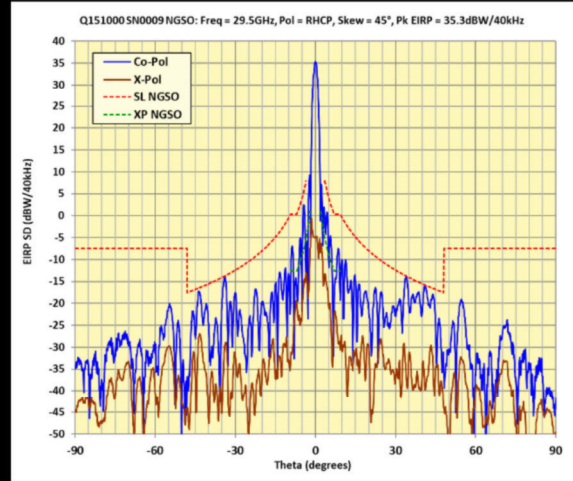
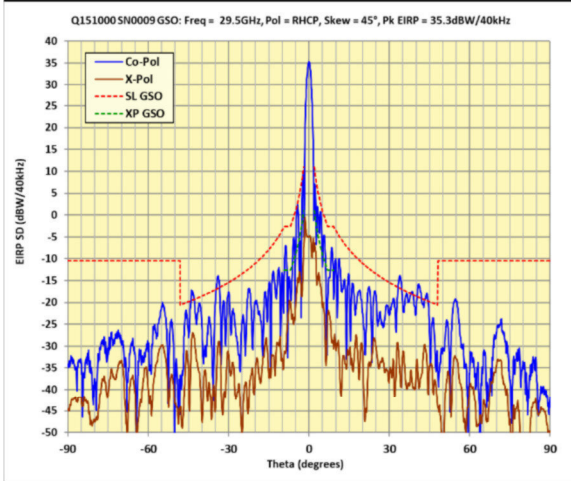
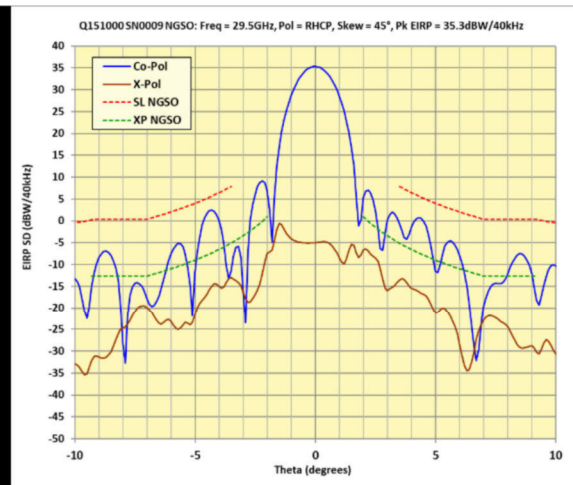
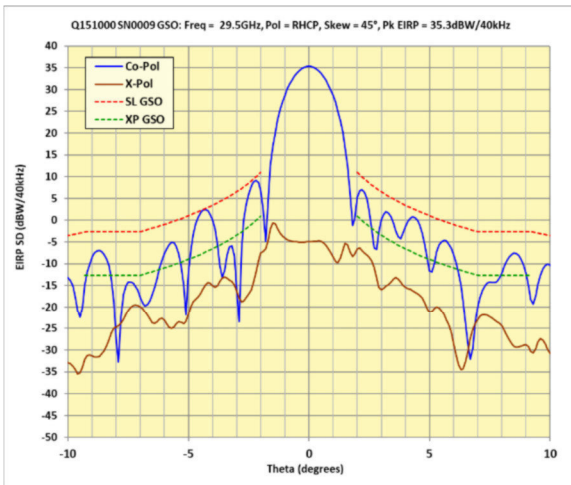


Max EIRPSD vs Skew, LHCP, 30.0 GHz

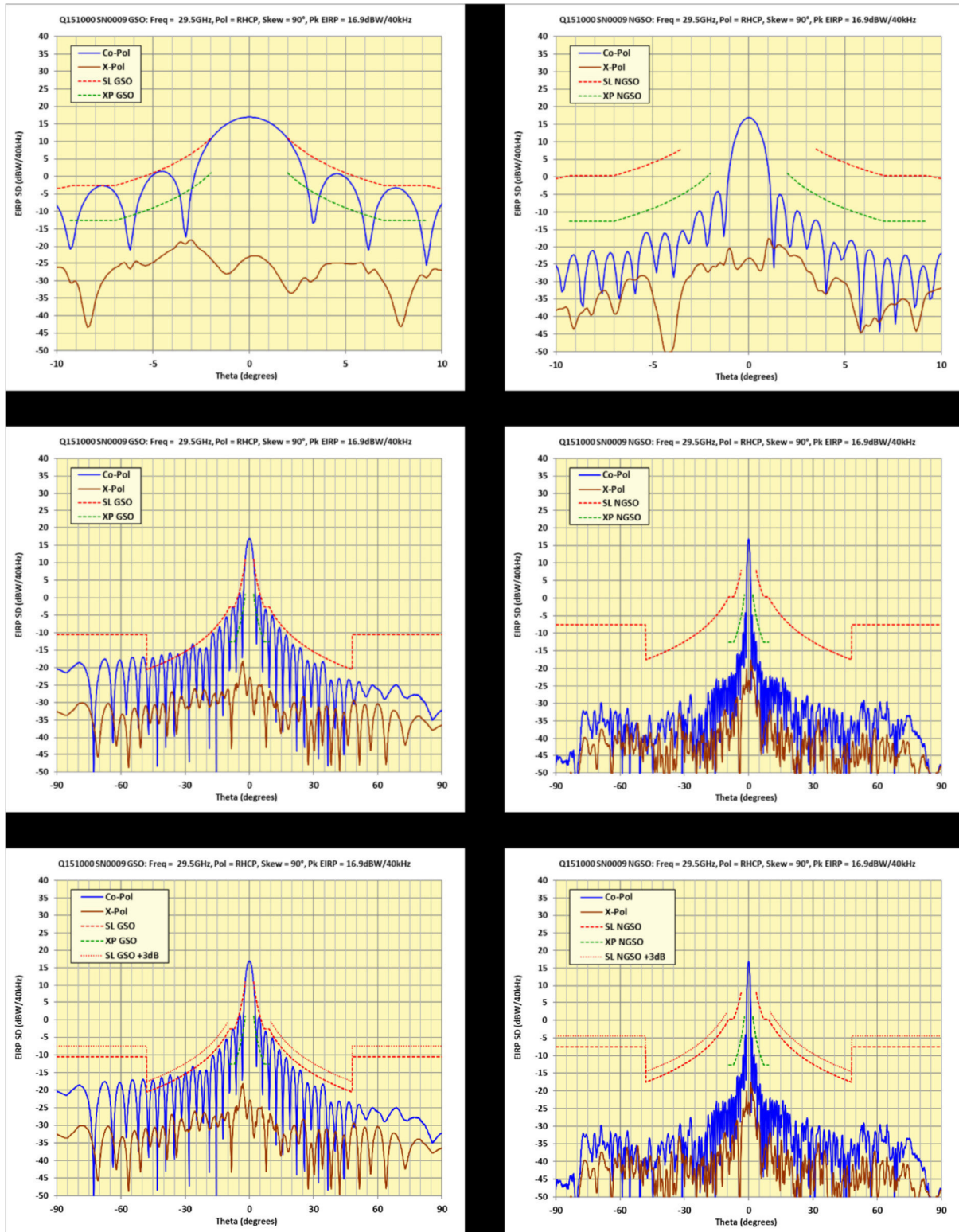
4.8.4.) Sample antenna patterns at 29,5 GHz RHCP



Skew: 0 deg



Skew: 45 deg



Skew: 90 deg

Remark: The graphs show the EIRPSD in a 40 kHz bandwidth (ETSI requirement). Nevertheless the EIRPSD in a 1 MHz bandwidth requirement by FCC is comparable for noise-like signals.

Appendix 1

Test equipment used

<input checked="" type="checkbox"/>	Anechoic Chamber with 3m measurement distance	NT-100	<input type="checkbox"/>	Power quality analyzer Fluke 1760 (complete set)	NT-160 - NT-173
<input type="checkbox"/>	Stripline according to ISO 11452-5	NT-108	<input type="checkbox"/>	Spectrum analyzer – FSP7 9 kHz – 7 GHz	NT-200
<input type="checkbox"/>	MA4000 - Antenna mast 1 - 4 m height	NT-110/1	<input type="checkbox"/>	ESCI - Test receiver 9 kHz - 7 GHz	NT-203/1
<input checked="" type="checkbox"/>	DS - Turntable 0 - 400 ° Azimuth	NT-111/1	<input type="checkbox"/>	ESI26 – Test receiver 20 Hz – 26,5 GHz	NT-207
<input checked="" type="checkbox"/>	CO3000 Controller Mast+Turntable	NT-112/1	<input type="checkbox"/>	Digital Radio Tester CMW500	NT-208/1
<input type="checkbox"/>	HUF-Z3 - Log. Per. Antenna 200 - 1000 MHz	NT-121	<input type="checkbox"/>	Noise-gen., ITU-R 559-2 20 Hz – 20 kHz	NT-209
<input type="checkbox"/>	FMZB1513 - Loop Antenna 9 kHz - 30 MHz	NT-122/1	<input type="checkbox"/>	CMTA - Radiocommunication analyzer ; 0,1 - 1000 MHz	NT-210
<input type="checkbox"/>	HFH-Z6 - Rod Antenna 9 kHz - 30 MHz	NT-123	<input type="checkbox"/>	3271 - Spectrum analyzer 100 Hz - 26,5 GHz	NT-211
<input type="checkbox"/>	3121C - Dipole Antenna 28 - 1000 MHz	NT-124	<input type="checkbox"/>	Digital Radio Tester Aeroflex 3920	NT-212/1
<input type="checkbox"/>	3115 - Horn Antenna 1 - 18 GHz (immunity)	NT-125	<input type="checkbox"/>	Mixer M28HW 26,5 GHz - 40 GHz	NT-214
<input type="checkbox"/>	3116 - Horn Antenna 18 - 40 GHz	NT-126	<input type="checkbox"/>	RubiSource T&M Timing reference	NT-216
<input type="checkbox"/>	SAS-200/543 - Bicon. Antenna 20 MHz - 300 MHz	NT-127	<input type="checkbox"/>	Radiocommunication analyzer SWR 1180 MD	NT-217
<input type="checkbox"/>	AT-1080 - Log. Per. Antenna 80 - 1000 MHz	NT-128	<input type="checkbox"/>	Mixer M19HWD 40 GHz – 60 GHz	NT-218
<input type="checkbox"/>	HK-116 - bicon. Antenna 20 MHz - 300 MHz	NT-129	<input type="checkbox"/>	Mixer M12HWD 60 GHz – 90 GHz	NT-219
<input type="checkbox"/>	HK-116 - bicon. Antenna 20 MHz - 300 MHz	NT-130	<input type="checkbox"/>	DSO9104 Digital scope	NT-220/1
<input type="checkbox"/>	3146 - Log. Per. Antenna 200 – 1000 MHz	NT-131	<input type="checkbox"/>	TPS 2014 Digital scope	NT-222
<input type="checkbox"/>	VULB 9163 Trilog Antenna 30 – 3000 MHz	NT-131/1	<input type="checkbox"/>	Artificial Ear according to IEC 60318	NT-224
<input type="checkbox"/>	Loop Antenna H-Field	NT-132	<input type="checkbox"/>	1 kHz Sound calibrator	NT-225
<input type="checkbox"/>	Horn Antenna 500 MHz - 2900 MHz	NT-133	<input type="checkbox"/>	B10 - Harmonics and flicker analyzer	NT-232
<input type="checkbox"/>	Horn Antenna 500 MHz - 6000 MHz	NT-133/1	<input type="checkbox"/>	SRM-3006 Spectrum analyzer	NT-233/1a
<input type="checkbox"/>	Log. per. Antenna 800 MHz - 2500 MHz	NT-134	<input type="checkbox"/>	E-field probe SRM 75 MHz – 3 GHz	NT-234
<input type="checkbox"/>	Log. per. Antenna 800 MHz - 2500 MHz	NT-135	<input type="checkbox"/>	Field Meter NBM-500 incl. E- and H-Field probes	NT-240a-e
<input type="checkbox"/>	BiConiLog Antenna 26 MHz – 2000 MHz	NT-137	<input type="checkbox"/>	Hall-Teslameter ETM-1	NT-241
<input type="checkbox"/>	Conical Dipol Antenna PCD8250	NT-138	<input type="checkbox"/>	EFA-3 H-field- / E-field probe	NT-243
<input type="checkbox"/>	HF 906 - Horn Antenna 1 - 18 GHz (emission)	NT-139	<input type="checkbox"/>	EHP-50F H-field- / E-field probe	NT-243/1
<input type="checkbox"/>	HZ-1 Antenna tripod	NT-150	<input type="checkbox"/>	Field Meter EMR-200 100 kHz – 3 GHz	NT-244
<input type="checkbox"/>	BN 1500 Antenna tripod	NT-151	<input type="checkbox"/>	E-field probe 100 kHz – 3 GHz	NT-245
<input type="checkbox"/>	Ant. tripod for EN61000-4-3 Model TP1000A	NT-156	<input type="checkbox"/>	H-field probe 300 kHz – 30 MHz	NT-246

Division:
Industry & Energy

Department: FG

Test report number:
INE-AT/FG-20/225

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Appendix 1 (continued)

Test equipment used

Division:
Industry & Energy

Department: FG

Test report number:
INE-AT/FG-20/225

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<input type="checkbox"/>	E-field probe 3 MHz – 18 GHz	NT-247	<input type="checkbox"/>	T82-50 RF-Amplifier 2 GHz – 8 GHz	NT-331
<input type="checkbox"/>	H-field probe 27 MHz – 1 GHz	NT-248	<input type="checkbox"/>	500W1000M7 - RF-Amplifier 80 - 1000 MHz / 500 W	NT-332
<input type="checkbox"/>	ELT-400 1 Hz – 400 kHz	NT-249	<input type="checkbox"/>	AS0102-65R - RF-Amplifier 1 GHz - 2 GHz	NT-333
<input type="checkbox"/>	MDS 21 - Absorbing clamp 30 - 1000 MHz	NT-250	<input type="checkbox"/>	APA01 – RF-Amplifier 0,5 GHz – 2,5 GHz	NT-334
<input type="checkbox"/>	FCC-203I EM Injection clamp	NT-251	<input type="checkbox"/>	Preamplifier 1 GHz - 4 GHz	NT-335
<input type="checkbox"/>	FCC-203I-DCN Ferrite decoupling network	NT-252	<input type="checkbox"/>	Preamplifier for GPS MKU 152 A	NT-336
<input type="checkbox"/>	PR50 Current Probe	NT-253	<input type="checkbox"/>	Preamplifier 100 MHz – 23 GHz	NT-337
<input type="checkbox"/>	i310s Current Probe	NT-254/1	<input type="checkbox"/>	DC Block 10 MHz – 18 GHz Model 8048	NT-338
<input type="checkbox"/>	Fluke 87 V True RMS Multimeter	NT-260	<input type="checkbox"/>	2-97201 Electronic load	NT-341
<input type="checkbox"/>	Model 2000 Digital Multimeter	NT-261	<input type="checkbox"/>	TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-344
<input type="checkbox"/>	Fluke 87 V Digital Multimeter	NT-262/1	<input type="checkbox"/>	TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-345
<input type="checkbox"/>	ESH2-Z5-U1 Artificial mains network 4x25A	NT-300	<input type="checkbox"/>	VDS 200 Mobil-impuls-generator	NT-350
<input type="checkbox"/>	ESH3-Z5-U1 Artificial mains network 2x10A	NT-301	<input type="checkbox"/>	LD 200 Mobil-impuls-generator	NT-351
<input type="checkbox"/>	ESH3-Z6-U1 Artificial mains network 1x100A	NT-302	<input type="checkbox"/>	MPG 200 Mobil-Impuls-Generators	NT-352
<input type="checkbox"/>	ESH3-Z6-U1 Artificial mains network 1x100A	NT-302a	<input type="checkbox"/>	EFT 200 Mobil-impuls-generator	NT-353
<input type="checkbox"/>	PHE 4500/B Power amplifier	NT-304	<input type="checkbox"/>	AN 200 S1 Artificial Network	NT-354
<input type="checkbox"/>	EZ10 T-Artificial Network	NT-305	<input type="checkbox"/>	FP-EFT 32M 3 ph. Coupling filter (Burst)	NT-400/1
<input type="checkbox"/>	SMG - Signal generator 0,1 - 1000 MHz	NT-310	<input type="checkbox"/>	PHE 4500 - Mains impedance network	NT-401
<input type="checkbox"/>	SMA100A - Signal generator 9 kHz - 6 GHz	NT-310/1	<input type="checkbox"/>	IP 6.2 Coupling filter for data lines (Surge)	NT-403
<input type="checkbox"/>	RefRad Reference generator	NT-312	<input type="checkbox"/>	TK 9421 High Power Volt. Probe 150 kHz - 30 MHz	NT-409
<input type="checkbox"/>	SMP 02 Signal generator 10 MHz - 20 GHz	NT-313	<input type="checkbox"/>	ESH2-Z3 - Probe 9 kHz - 30 MHz	NT-410
<input type="checkbox"/>	40 MHz Arbitrary Generator TGA1241	NT-315	<input type="checkbox"/>	IP 4 - Capacitive clamp (Burst)	NT-411
<input type="checkbox"/>	Artificial mains network NSLK 8127-PLC	NT-316	<input type="checkbox"/>	Highpass-Filter 100 MHz – 3 GHz	NT-412
<input type="checkbox"/>			<input type="checkbox"/>	Highpass-Filter 600 MHz – 4 GHz	NT-413
<input type="checkbox"/>	PSURGE 4.1 Surge generator	NT-324	<input type="checkbox"/>	Highpass-Filter 1250 MHz – 4 GHz	NT-414
<input type="checkbox"/>	IMU4000 Immunity test system	NT-325/1	<input type="checkbox"/>	Highpass-Filter 1800 MHz – 16 GHz	NT-415
<input type="checkbox"/>	VCS 500-M6 Surge-Generator	NT-326			
<input type="checkbox"/>	Oscillatory Wave Simulator incl. Coupling networks	NT- 328a+b+c			
<input type="checkbox"/>	BTA-250 - RF-Amplifier 9 kHz - 220 MHz / 250 W	NT-330			

Appendix 1 (continued)

Test equipment used

<input type="checkbox"/>	Highpass-Filter 3500 MHz – 18 GHz	NT-416	<input type="checkbox"/>	FCC-801-AF10 Coupling decoupling network	NT-461
<input type="checkbox"/>	RF-Attenuator 10 dB DC – 18 GHz / 50 W	NT-417/1	<input type="checkbox"/>	FCC-801-S25 Coupling decoupling network	NT-462
<input type="checkbox"/>	RF-Attenuator 6 dB DC – 18 GHz / 50 W	NT-418	<input type="checkbox"/>	FCC-801-T4 Coupling decoupling network	NT-463
<input type="checkbox"/>	RF-Attenuator 3 dB DC – 18 GHz / 50 W	NT-419	<input type="checkbox"/>	FCC-801-C1 Coupling decoupling network	NT-464
<input type="checkbox"/>	RF-Attenuator 20 dB DC - 1000 MHz / 25 W	NT-421	<input type="checkbox"/>	SW 9605 - Current probe 150 kHz – 30 MHz	NT-465/1
<input type="checkbox"/>	RF-Attenuator 30 dB DC - 1000 MHz / 1 W	NT-423	<input type="checkbox"/>	95242-1 – Current probe 1 MHz – 400 MHz	NT-468
<input type="checkbox"/>	RF-Attenuator 30 dB	NT-424	<input type="checkbox"/>	94106-1L-1 – Current probe 100 kHz – 450 MHz	NT-471
<input type="checkbox"/>	RF-Attenuator 6 dB DC - 1000 MHz / 1 W	NT-425	<input type="checkbox"/>	GA 1240 Power amplifier according to EN 61000-4-16	NT-480
<input type="checkbox"/>	RF-Attenuator 6 dB DC - 1000 MHz / 1 W	NT-426	<input type="checkbox"/>	Coupling networks according to EN 61000-4-16	NT-481 - NT-483
<input type="checkbox"/>	RF-Attenuator 6 dB	NT-428	<input type="checkbox"/>	Van der Hoofden Test Head	NT-484
<input type="checkbox"/>	RF-Attenuator 0 dB - 81 dB	NT-429	<input type="checkbox"/>	EMC Video/Audiosystem	NT-511/1
<input type="checkbox"/>	WRU 27 - Band blocking 27 MHz	NT-430	<input type="checkbox"/>	ES-K1 Version 1.71 SP2 Test software	NT-520
<input type="checkbox"/>	WHJ450C9 AA - High pass 450 MHz	NT-431	<input type="checkbox"/>	EMC32 Version 10.60.15 Test software	NT-520/1
<input type="checkbox"/>	WHJ250C9 AA - High pass 250 MHz	NT-432	<input type="checkbox"/>	SRM-TS Version 1.3 software for SRM-3000	NT-522
<input type="checkbox"/>	RF-Load 150 W	NT-433	<input type="checkbox"/>	SRM-TS Version 1.3.1 software for SRM-3006	NT-522/1
<input type="checkbox"/>	Impedance transducer 1:4 ; 1:9 ; 1:16	NT-435	<input type="checkbox"/>	Spitzenberger und Spies Test software V4.1	NT-525
<input type="checkbox"/>	RF-Attenuator DC – 18 GHz 6 dB	NT-436	<input type="checkbox"/>	Noise power test apparatus according to EN 55014	NT-530
<input type="checkbox"/>	RF-Attenuator DC – 18 GHz 6 dB	NT-437	<input type="checkbox"/>	Vertical coupling plane (ESD)	NT-531
<input type="checkbox"/>	RF-Attenuator DC – 18 GHz 10 dB	NT-438	<input type="checkbox"/>	Test cable #4 for EN 61000-4-6	NT-553
<input type="checkbox"/>	RF-Attenuator DC – 18 GHz 20 dB	NT-439	<input type="checkbox"/>	Test cable #3 for conducted emission	NT-554
<input type="checkbox"/>	I+P 7780 Directional coupler 100 - 2000 MHz	NT-440	<input type="checkbox"/>	Test cable #5+#6 ESD-cable (2x470k)	NT-555 + NT-556
<input type="checkbox"/>	ESH3-Z2 - Pulse limiter 9 kHz - 30 MHz	NT-441	<input type="checkbox"/>	Test cable #8 Sucoflex 104EA	NT-559
<input type="checkbox"/>	Power Divider 6 dB/1 W/50 Ohm	NT-443	<input type="checkbox"/>	Test cable #9 (for outdoor measurements)	NT-580
<input type="checkbox"/>	Directional coupler 0,1 MHz – 70 MHz	NT-444	<input type="checkbox"/>	Test cable #10 (for outdoor measurements)	NT-581
<input type="checkbox"/>	Directional coupler 0,1 MHz – 70 MHz	NT-445	<input type="checkbox"/>	Test cable #13 Sucoflex 104PE	NT-584
<input type="checkbox"/>	Tube imitations according to EN 55015	NT-450	<input type="checkbox"/>	Test cable #21 for SRM-3000	NT-592
<input type="checkbox"/>	FCC-801-M3-16A Coupling decoupling network	NT-458	<input type="checkbox"/>	Shield chamber	NT-600
<input type="checkbox"/>	FCC-801-M2-50A Coupling decoupling network	NT-459	<input type="checkbox"/>	Climatic chamber	M-1200
<input type="checkbox"/>	FCC-801-M5-25 Coupling decoupling network	NT-460			

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Appendix 1 (continued) Test equipment used

<input type="checkbox"/>	Anechoic Chamber 3 m / 5 m measuring distance	EMV-100	<input type="checkbox"/>	Log.per Antenna 0,7 – 9 GHz STLP9149	EMV-305
<input type="checkbox"/>	Turntabel 6 m diameter	EMV-101	<input type="checkbox"/>	HF- Amplifier 9 kHz-250 MHz BBA150 (low noise)	EMV-306
<input type="checkbox"/>	Antenna mast + controller	EMV-102+ EMV-103	<input type="checkbox"/>	ISO11451-2 TLS 10 kHz – 30 MHz	EMV-307
<input type="checkbox"/>	EMC Video/Audiosystem	EMV-104	<input type="checkbox"/>	Load Dump Generator LD 200N	EMV-350
<input type="checkbox"/>	EMC Software EMC32 Version 10.60.15	EMV-105	<input type="checkbox"/>	Ultra Compact Symulator UCS 200N100	EMV-351
<input type="checkbox"/>	Hornantenna 1 – 18 GHz HF 907	EMV-110	<input type="checkbox"/>	Automotive Power fail module PFM 200N100.1	EMV-352
<input type="checkbox"/>	Antennapre.amp. 1 – 18 GHz ERZ-LNA0200-1800-30-2	EMV-111	<input type="checkbox"/>	Voltage Drop Symulator VDS 200Q100	EMV-353
<input type="checkbox"/>	Trilog Antenna 30-3000 MHz VULB9163	EMV-112	<input type="checkbox"/>	Arb. Generator AutoWave	EMV-354
<input type="checkbox"/>	Monopol 9 kHz – 30 MHz VAMP 9243	EMV-113	<input type="checkbox"/>	Ultra Compact Symulator UCS 500N7	EMV-355
<input type="checkbox"/>	Antennapre.amp 18 – 40 GHz BBV 9721	EMV-114	<input type="checkbox"/>	Coupling decoupling network CNI 503B7 / 32 A	EMV-356
<input type="checkbox"/>	Hornantenna 200 – 2000 MHz AH-220	EMV-115	<input type="checkbox"/>	Coupling decoupling network CNI 503B7 / 63 A	EMV-357
<input type="checkbox"/>	DC Artificial Network PVDC 8300	EMV-150	<input type="checkbox"/>	Telecom Surge Generator TSurge 7	EMV-358
<input type="checkbox"/>	AC Artificial Network NNLK 8121 RC	EMV-151	<input type="checkbox"/>	Coupling decoupling network CNI 508N2	EMV-359
<input type="checkbox"/>	EMI Receiver ESR26	EMV-200	<input type="checkbox"/>	Coupling decoupling network CNV 504N2.2	EMV-360
<input type="checkbox"/>	Signalgenerator 9 kHz – 40 GHz N5173B	EMV-201	<input type="checkbox"/>	Immunity generator NSG4060/NSG4060-1	EMV-361
<input type="checkbox"/>	GPS Frequency normal B-88	EMV-202	<input type="checkbox"/>	Coupling network CDND M316-2	EMV-362
<input type="checkbox"/>	DC Power supply N5745A	EMV-203	<input type="checkbox"/>	Coupling network CT419-5	EMV-363
<input type="checkbox"/>	Spektrum Analyzator FSV40	EMV-205	<input type="checkbox"/>	ESD Generator NSG 437	EMV-364
<input type="checkbox"/>	Thd Multimeter Model 2015	EMV-206	<input type="checkbox"/>	Pulse Limiter VTSD 9561-F BNC	EMV-405
<input type="checkbox"/>	Poweramplifier PAS15000	EMV- 207/abc	<input type="checkbox"/>	Transient emission BSM200N40+BS200N100	EMV- 450+451
<input type="checkbox"/>	Inrush Current Source	EMV- 208/abc	<input type="checkbox"/>	Cap. Coupling Clamp HFK	EMV-455
<input type="checkbox"/>	Arb.-generator Sycore	EMV-209	<input type="checkbox"/>	Mag. Field System MS100N+MC26100+MC2630	EMV- 456-458
<input type="checkbox"/>	Harmonics/Flicker analyzer ARS 16/3	EMV-210	<input type="checkbox"/>	Coupling network CDN M2-100A	EMV-459
<input type="checkbox"/>	HF- Amplifier 9 kHz-250 MHz BBA150	EMV-300	<input type="checkbox"/>	Coupling network CDN M3-32A	EMV-460
<input type="checkbox"/>	HF- Amplifier 80 -1000 MHz BBA150	EMV-301	<input type="checkbox"/>	Coupling network CDN M5-100A	EMV-461
<input type="checkbox"/>	HF- Amplifier 0,8 - 6 GHz BBA150	EMV-302	<input type="checkbox"/>	Current Clamp CIP 9136A	EMV-462
<input type="checkbox"/>	High Power Ant. 20-200 MHz HPBA-2510	EMV-303/1	<input type="checkbox"/>	DC Artificial Network HV-AN 150	EMV- 464+465
<input type="checkbox"/>	Log.per Antenna 80-2700 MHz STLP 9128 E special	EMV-304	<input type="checkbox"/>	Coupling Clamp EM 101	EMV-466
			<input type="checkbox"/>	Decoupling Clamp FTC 101	EMV-467
			<input type="checkbox"/>	Power attenuator 10 dB / 250 Watt	EMV-469/2

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